TRAFFIC APPENDICES:

1. ACCIDENT DATA FROM NYSDOT

2. ATRS

3. TURNING MOVEMENT COUNTS

4. INTERSECTION GEOMETRY

5. SIGNAL TIMING

6. TRAFFIC ASSIGNMENTS

7. TRAVEL TIME RUNS

8. HCS RESULTS

10-Aug-05

0411C
SHAFT 33B

Table 1: Weekday AM Speed Data

Corridor	LINK LENGTH	WEEKDAY AM																											
		2004 EXISTING			2008 NO-BUILD			2008 BUILD SHAFT			2008 BUILD SEGMENT 1			2008 BUILD SEGMENT 3			2008 BUILD SEGMENT 5			2008 BUILD SEGMENT 7			2008 BUILD SEGMENT 9			2008 BUILD SEGMENT 10		
		RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY
1st Avenue NB																													
From E. 52nd Street to E. 53rd Street	322	14	16.1	-	14	16.1	-	14	16.1	-	14	16.1	-	14	16.1	-	14	16.1	-	14	16.1	-	14	16.1	-	14	16.1	-
From E. 53rd Street to E. 54th Street	305	13	16.0	10.6	13	15.9	10.9	13	15.9	10.9	13	15.9	10.9	13	15.9	10.9	13	15.9	10.9	13	15.9	10.9	13	15.9	10.9	13	15.9	10.9
From E. 54th Street to E. 55th Street	320	7	30.4	12.2	7	29.8	12.7	7	29.8	12.7	7	29.8	12.7	10	20.9	23.1	7	29.8	12.7	7	29.8	12.7	7	29.8	12.7	7	29.8	12.7
From E. 55th Street to E. 56th Street	310	9	23.5	14.8	9	23.0	15.4	9	23.0	15.4	10	20.4	19.3	12	18.1	23.7	9	23.0	15.4	9	23.0	15.4	9	23.0	15.4	9	23.0	15.4
From E. 56th Street to E. 57th Street	337	9	27.0	40.5	12	19.8	50.9	12	19.8	50.9	44	5.2	159.4	33	7.0	121.8	12	19.8	50.9	12	19.8	50.9	12	19.8	50.9	12	19.8	50.9
From E. 57th Street to E. 58th Street	344	9	26.1	14.7	9	25.6	15.2	9	25.6	15.2	11	21.7	20.7	11	20.5	22.8	9	25.6	15.2	9	25.6	15.2	9	25.6	15.2	9	25.6	15.2
From E. 58th Street to E. 59th Street	316	9	25.3	31.8	10	20.6	38.4	10	20.6	38.4	36	6.1	121.8	10	20.6	38.4	10	20.6	38.4	10	20.6	38.4	10	20.6	38.4	10	20.6	38.4
From E. 59th Street to E. 60th Street	300	10	19.8	12.7	10	19.6	13.0	10	19.6	13.0	10	19.6	13	10	19.6	13	10	19.6	13	10	19.6	13	10	19.6	13	10	19.6	13
From E. 60th Street to E. 61st Street	316	11	20.5	17.4	11	19.8	18.6	11	19.8	18.6	11	19.8	18.6	11	19.8	18.6	11	19.8	18.6	11	19.8	18.6	11	19.8	18.6	11	19.8	18.6
E. 54th Street EB																													
From Lexington Avenue to Third Avenue	600	29	14.1	-	29	14.1	-	29	14.1	-	29	14.1	-	29	14.1	-	29	14.1	-	29	14.1	-	29	14.1	-	29	14.1	-
From Third Avenue to Second Avenue	854	37	15.7	-	37	15.7	-	37	15.7	-	37	15.7	-	37	15.7	-	37	15.7	-	37	15.7	-	37	15.7	-	37	15.7	-
From Second Avenue to First Avenue	906	29	21.3	33.6	29	21.1	34.3	29	21.1	34.3	29	21.1	34.3	29	21.1	34.3	29	21.1	34.3	29	21.1	34.3	29	21.1	34.3	29	21.1	34.3
From First Avenue to York Avenue	858	42	14.0	-	42	14.0	-	42	14.0	-	42	14.0	-	42	14.0	-	42	14.0	-	42	14.0	-	42	14.0	-	42	14.0	-
E. 55th Street WB																													
From York Avenue to First Avenue	854	32	18.4	34.4	32	18.3	35.1	32	18.3	35.1	32	18.3	35.1	32	18.3	35.1	32	18.3	35.1	32	18.3	35.1	32	18.3	35.1	35	16.7	45.3
From First Avenue to Second Avenue	909	37	16.8	28.9	37	16.8	29.2	37	16.8	29.2	37	16.8	29.2	37	16.8	29.2	37	16.8	29.2	37	16.8	29.2	37	16.9	28.6	39	16.0	35
From Second Avenue to Third Avenue	854	43	13.6	46.3	44	13.3	49.5	44	13.3	49.5	44	13.3	49.5	44	13.3	49.5	44	13.3	49.5	44	13.3	49.5	44	13.3	49.5	44	13.3	49.5
From Third Avenue to Lexington Avenue	604	22	18.3	-	22	18.3	-	22	18.3	-	22	18.3	-	22	18.3	-	22	18.3	-	22	18.3	-	22	18.3	-	22	18.3	-
From Lexington Avenue to Park Avenue	540	33	11.0	-	33	11.0	-	33	11.0	-	33	11.0	-	33	11.0	-	33	11.0	-	33	11.0	-	33	11.0	-	33	11.0	-
E. 56th Street EB																													
From Park Avenue to Lexington Avenue	540	28	13.3	-	28	13.3	-	28	13.3	-	28	13.3	-	28	13.3	-	28	13.3	-	28	13.3	-	28	13.3	-	28	13.3	-
From Lexington Avenue to Third Avenue	600	20	20.3	36.2	21	19.9	37.5	21	19.9	37.5	21	19.9	37.5	21	19.9	37.5	21	19.9	37.5	21	19.9	37.5	21	19.9	37.5	21	19.9	37.5
From Third Avenue to Second Avenue	854	30	19.2	54.1	31	18.7	56.9	31	18.7	56.9	31	18.7	56.9	31	18.7	56.9	31	18.7	56.9	34	17.2	65.8	31	18.7	56.9	31	18.7	56.9
From Second Avenue to First Avenue	906	35	17.7	53.9	36	17.1	58.0	36	17.1	58	37	16.8	60.2	37	16.8	60.2	30	20.7	37.3	36	17.1	58	36	17.1	58	36	17.1	58
From First Avenue to York Avenue	858	33	17.9	-	33	17.9	-	33	17.9	-	33	17.9	-	33	17.9	-	33	17.9	-	33	17.9	-	33	17.9	-	33	17.9	-

10-Aug-05

0411C
SHAFT 33B

Table 1: Weekday AM Speed Data

Corridor	LINK LENGTH	WEEKDAY AM																											
		2004 EXISTING			2008 NO-BUILD			2008 BUILD SHAFT			2008 BUILD SEGMENT 1			2008 BUILD SEGMENT 3			2008 BUILD SEGMENT 5			2008 BUILD SEGMENT 7			2008 BUILD SEGMENT 9			2008 BUILD SEGMENT 10		
		RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY
E. 57th Street EB																													
From Lexington Avenue to Third Avenue	600	30	13.8	-	30	13.8	-	30	13.8	-	30	13.8	-	30	13.8	-	30	13.8	-	30	13.8	-	30	13.8	-	30	13.8	-
From Third Avenue to Second Avenue	854	35	16.9	84.1	37	15.7	93.0	37	15.7	93	37	15.7	93	37	15.7	93	37	15.7	93	37	15.7	93	37	15.7	93	37	15.7	93
From Second Avenue to Queensboro Bridge Ramp	272	9	19.8	-	9	19.8	-	9	19.8	-	9	19.8	-	9	19.8	-	9	19.8	-	9	19.8	-	9	19.8	-	9	19.8	-
From Queensboro Bridge Ramp to First Avenue	634	32	13.4	44.0	34	12.9	47.8	34	12.9	47.8	34	12.9	47.8	34	12.9	47.8	34	12.9	47.8	34	12.9	47.8	34	12.9	47.8	34	12.9	47.8
From First Avenue to York Avenue	858	26	22.7	-	26	22.7	-	26	22.7	-	26	22.7	-	26	22.7	-	26	22.7	-	26	22.7	-	26	22.7	-	26	22.7	-
E. 57th Street WB																													
From York Avenue to First Avenue	854	30	19.5	22.2	30	19.5	22.3	30	19.5	22.3	30	19.5	22.3	30	19.5	22.3	30	19.5	22.3	30	19.5	22.3	30	19.5	22.3	30	19.5	22.3
From First Avenue to Queensboro Bridge Ramp	634	22	19.5	-	22	19.5	-	22	19.5	-	22	19.5	-	22	19.5	-	22	19.5	-	22	19.5	-	22	19.5	-	22	19.5	-
From Queensboro Bridge Ramp to Second Avenue	272	22	8.4	66.3	24	7.8	71.7	24	7.8	71.7	24	7.8	71.7	24	7.8	71.7	24	7.8	71.7	24	7.8	71.7	24	7.8	71.7	24	7.8	71.7
From Second Avenue to Third Avenue	854	90	6.5	-	90	6.5	-	90	6.5	-	90	6.5	-	90	6.5	-	90	6.5	-	90	6.5	-	90	6.5	-	90	6.5	-
From Third Avenue to Lexington Avenue	604	21	19.9	-	21	19.9	-	21	19.9	-	21	19.9	-	21	19.9	-	21	19.9	-	21	19.9	-	21	19.9	-	21	19.9	-
E. 58th Street EB																													
From Lexington Avenue to Third Avenue	600	29	14.4	-	29	14.4	-	29	14.4	-	29	14.4	-	29	14.4	-	29	14.4	-	29	14.4	-	29	14.4	-	29	14.4	-
From Third Avenue to Second Avenue	854	28	20.8	-	28	20.8	-	28	20.8	-	28	20.8	-	28	20.8	-	28	20.8	-	28	20.8	-	28	20.8	-	28	20.8	-
From Second Avenue to Queensboro Bridge Ramp	272	17	10.9	-	17	10.9	-	17	10.9	-	17	10.9	-	17	10.9	-	17	10.9	-	17	10.9	-	17	10.9	-	17	10.9	-
From Queensboro Bridge Ramp to First Avenue	634	59	7.3	56.2	61	7.1	61.3	61	7.1	61.3	61	7.1	61.3	61	7.1	61.3	61	7.1	61.3	61	7.1	61.3	61	7.1	61.3	61	7.1	61.3
From First Avenue to York Avenue	858	27	22.1	-	27	22.1	-	27	22.1	-	27	22.1	-	27	22.1	-	27	22.1	-	27	22.1	-	27	22.1	-	27	22.1	-
E. 59th Street EB																													
From Lexington Avenue to Third Avenue	600	36	11.3	-	36	11.3	-	36	11.3	-	36	11.3	-	36	11.3	-	36	11.3	-	36	11.3	-	36	11.3	-	36	11.3	-
From Third Avenue to Second Avenue	854	56	10.3	56.4	58	10.0	62.3	58	10.0	62.3	58	10.0	62.3	62	9.4	73.8	58	10.0	62.3	58	10.0	62.3	58	10.0	62.3	58	10.0	62.3
From Second Avenue to First Avenue	906	27	23.0	18.5	27	22.9	18.9	27	22.7	19.5	27	22.7	19.5	27	22.8	19.2	27	22.9	18.9	27	22.9	18.9	27	22.9	18.9	27	22.9	18.9
From First Avenue to York Avenue	858	27	21.3	-	27	21.3	-	27	21.3	-	27	21.3	-	27	21.3	-	27	21.3	-	27	21.3	-	27	21.3	-	27	21.3	-
E. 59th Street WB																													
From York Avenue to First Avenue	854	36	16.2	20.7	36	16.1	21.0	36	16.1	21.0	36	16.1	21.0	36	16.1	21.0	36	16.1	21	36	16.1	21	36	16.1	21	36	16.1	21

10-Aug-05

Table 2: Weekday MD Speed Data

0411C
Shaft 33B

Corridor	LINK LENGTH	WEEKDAY MIDDAY																											
		2004 EXISTING			2008 NO-BUILD			2008 BUILD SHAFT			2008 BUILD SEGMENT 1			2008 BUILD SEGMENT 3			2008 BUILD SEGMENT 5			2008 BUILD SEGMENT 7			2008 BUILD SEGMENT 9			2008 BUILD SEGMENT 10		
		RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY
1st Avenue NB																													
From E. 52nd Street to E. 53rd Street	322	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-	14.7	15.0	-
From E. 53rd Street to E. 54th Street	305	12.7	16.4	10.0	12.7	16.4	10.1	12.7	16.4	10.1	12.7	16.4	10.1	12.7	16.4	10.1	12.7	16.4	10.1	12.7	16.4	10.1	12.7	16.4	10.1	12.7	16.4	10.1
From E. 54th Street to E. 55th Street	320	7.8	27.9	11.4	7.9	27.5	11.7	7.9	27.5	11.7	7.9	27.5	11.7	36.6	6.0	107.2	7.9	27.5	11.7	7.9	27.5	11.7	7.9	27.5	11.7	7.9	27.5	11.7
From E. 55th Street to E. 56th Street	310	10.2	20.8	10.7	10.2	20.7	10.9	10.2	20.7	10.9	19.2	11.0	40.9	24.9	8.5	59.9	10.2	20.7	10.9	10.2	20.7	10.9	10.2	20.7	10.9	10.2	20.7	10.9
From E. 56th Street to E. 57th Street	337	11.7	19.7	29.5	12.4	18.6	31.9	12.4	18.6	31.9	89.1	2.6	287.7	82.3	2.8	264.8	12.4	18.6	31.9	12.4	18.6	31.9	12.4	18.6	31.9	12.4	18.6	31.9
From E. 57th Street to E. 58th Street	344	9.7	24.3	13.9	9.8	24.0	14.2	9.8	24.0	14.2	26.4	8.9	69.6	30.8	7.6	84.5	9.8	24.0	14.2	9.8	24.0	14.2	9.8	24.0	14.2	9.8	24.0	14.2
From E. 58th Street to E. 59th Street	316	10.5	20.5	18.4	10.7	20.1	19.1	10.7	20.1	19.1	42.0	5.1	123.5	10.7	20.1	19.1	10.7	20.1	19.1	10.5	20.5	18.4	10.7	20.1	19.1	10.7	20.1	19.1
From E. 59th Street to E. 60th Street	300	11.0	18.6	13.1	10.9	18.9	12.6	10.9	18.8	12.7	10.9	18.9	12.6	10.9	18.9	12.6	10.9	18.9	12.6	10.9	18.9	12.6	10.9	18.9	12.6	10.9	18.9	12.6
From E. 60th Street to E. 61st Street	316	11.2	19.3	14.0	11.3	19.1	14.3	11.3	19.1	14.3	11.3	19.1	14.3	11.3	19.1	14.3	11.3	19.1	14.3	11.3	19.1	14.3	11.3	19.1	14.3	11.3	19.1	14.3
E. 54th Street EB																													
From Lexington Avenue to Third Avenue	600	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-	20.7	19.8	-
From Third Avenue to Second Avenue	854	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-	43.7	13.3	-
From Second Avenue to First Avenue	906	32.5	19.1	31.7	32.6	19.0	32.5	32.6	19.0	32.5	32.6	19.0	32.5	32.6	19.0	32.5	32.6	19.0	32.5	32.6	19.0	32.5	32.6	19.0	32.5	32.6	19.0	32.5
From First Avenue to York Avenue	858	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-	30.3	19.3	-
E. 55th Street WB																													
From York Avenue to First Avenue	854	41.2	14.1	29.9	41.3	14.1	30.3	41.3	14.1	30.3	41.3	14.1	30.3	41.3	14.1	30.3	41.3	14.1	30.3	41.3	14.1	30.3	41.3	14.1	30.3	41.3	14.1	30.3
From First Avenue to Second Avenue	909	64.7	9.6	25.4	64.7	9.6	25.6	64.7	9.6	25.6	64.7	9.6	25.6	64.7	9.6	25.6	64.7	9.6	25.6	64.7	9.6	25.6	64.6	9.6	25.1	67.5	9.2	35
From Second Avenue to Third Avenue	854	73.0	8.0	29.1	73.3	7.9	30.0	73.3	7.9	30	73.3	7.9	30	73.3	7.9	30	73.3	7.9	30	73.3	7.9	30	73.3	7.9	30	77.9	7.5	45.3
From Third Avenue to Lexington Avenue	604	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-	71.5	5.8	-
From Lexington Avenue to Park Avenue	540	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-	59.0	6.2	-
E. 56th Street EB																													
From Park Avenue to Lexington Avenue	540	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-
From Lexington Avenue to Third Avenue	600	32.7	12.5	26.0	32.8	12.5	26.6	32.8	12.5	26.6	32.8	12.5	26.6	32.8	12.5	26.6	32.8	12.5	26.6	32.8	12.5	26.6	32.8	12.5	26.6	32.8	12.5	26.6
From Third Avenue to Second Avenue	854	25.5	22.8	38.8	25.9	22.5	40.2	25.9	22.5	40.2	25.9	22.5	40.2	25.9	22.5	40.2	25.9	22.5	40.2	27.5	21.2	45.5	25.9	22.5	40.2	25.9	22.5	40.2
From Second Avenue to First Avenue	906	36.0	17.2	31.1	36.1	17.1	31.5	36.1	17.1	31.5	36.3	17.0	32	36.3	17.0	32	34.8	17.8	27	36.1	17.1	31.5	36.1	17.1	31.5	36.1	17.1	31.5
From First Avenue to York Avenue	858	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-	34.3	17.0	-

10-Aug-05

Table 2: Weekday MD Speed Data

0411C
Shaft 33B

Corridor	LINK LENGTH	WEEKDAY MIDDAY																											
		2004 EXISTING			2008 NO-BUILD			2008 BUILD SHAFT			2008 BUILD SEGMENT 1			2008 BUILD SEGMENT 3			2008 BUILD SEGMENT 5			2008 BUILD SEGMENT 7			2008 BUILD SEGMENT 9			2008 BUILD SEGMENT 10		
		RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY
E. 57th Street EB																													
From Lexington Avenue to Third Avenue	600	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-	26.1	15.7	-
From Third Avenue to Second Avenue	854	40.3	14.5	79.1	43.9	13.3	91.4	43.9	13.3	91.4	43.9	13.3	91.4	43.9	13.3	91.4	43.9	13.3	91.4	43.9	13.3	91.4	43.9	13.3	91.4	43.9	13.3	91.4
From Second Avenue to Queensboro Bridge Ramp	272	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-	11.8	15.8	-
From Queensboro Bridge Ramp to First Avenue	634	36.8	11.8	30.1	37.1	11.7	31.2	37.1	11.7	31.2	37.1	11.7	31.2	37.1	11.7	31.2	37.1	11.7	31.2	37.1	11.7	31.2	37.1	11.7	31.2	37.1	11.7	31.2
From First Avenue to York Avenue	858	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-
E. 57th Street WB																													
From York Avenue to First Avenue	854	32.5	17.9	26.7	32.6	17.9	27.0	32.6	17.9	27	32.6	17.9	27	32.6	17.9	27	32.6	17.9	27	32.6	17.9	27	32.6	17.9	27	32.6	17.9	27
From First Avenue to Queensboro Bridge Ramp	634	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-	22.0	19.6	-
From Queensboro Bridge Ramp to Second Avenue	272	18.5	10.0	24.6	18.6	10.0	24.9	18.6	10.0	24.9	18.6	10.0	24.9	18.6	10.0	24.9	18.6	10.0	24.9	18.6	10.0	24.9	18.6	10.0	24.9	18.6	10.0	24.9
From Second Avenue to Third Avenue	854	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-	86.0	6.8	-
From Third Avenue to Lexington Avenue	604	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-	40.9	10.1	-
E. 58th Street EB																													
From Lexington Avenue to Third Avenue	600	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-	38.8	10.6	-
From Third Avenue to Second Avenue	854	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-	36.5	16.0	-
From Second Avenue to Queensboro Bridge Ramp	272	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-
From Queensboro Bridge Ramp to First Avenue	634	63.3	6.8	31.1	59.8	7.2	19.7	59.8	7.2	19.7	59.8	7.2	19.7	59.8	7.2	19.7	59.8	7.2	19.7	59.8	7.2	19.7	59.8	7.2	19.7	59.8	7.2	19.7
From First Avenue to York Avenue	858	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-	33.5	17.5	-
E. 59th Street EB																													
From Lexington Avenue to Third Avenue	600	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-	32.5	12.6	-
From Third Avenue to Second Avenue	854	45.7	13.3	37.3	44.1	13.2	38.9	44.1	13.2	38.9	44.1	13.2	38.9	44.1	13.2	38.9	44.1	13.2	38.9	44.1	13.2	38.9	44.1	13.2	38.9	44.1	13.2	38.9
From Second Avenue to First Avenue	906	40.5	15.5	22.0	40.7	15.2	22.7	41.0	15.1	23.7	41.0	15.1	23.7	40.7	15.2	22.7	40.7	15.2	22.7	40.7	15.2	22.7	40.7	15.2	22.7	40.7	15.2	22.7
From First Avenue to York Avenue	858	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-	33.3	17.6	-
E. 59th Street WB																													
From York Avenue to First Avenue	854	48.0	12.1	18.8	48.0	12.1	18.9	48.0	12.1	18.9	48.0	12.1	18.9	48.0	12.1	18.9	48.0	12.1	18.9	48.0	12.1	18.9	48.0	12.1	18.9	48.0	12.1	18.9

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Table 3: Weekday PM Speed Data

0411C
SHAFT 33B

Corridor	LINK LENGTH	WEEKDAY PM																											
		2004 EXISTING			2008 NO-BUILD			2008 BUILD SHAFT			2008 BUILD SEGMENT 1			2008 BUILD SEGMENT 3			2008 BUILD SEGMENT 5			2008 BUILD SEGMENT 7			2008 BUILD SEGMENT 9			2008 BUILD SEGMENT 10		
		RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY
1st Avenue NB																													
From E. 52nd Street to E. 53rd Street	322	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-	22.3	9.8	-
From E. 53rd Street to E. 54th Street	305	32.0	6.5	11.1	32.1	6.5	11.3	32.1	6.5	11.3	32.1	6.5	11.3	32.1	6.5	11.3	32.1	6.5	11.3	32.1	6.5	11.3	32.1	6.5	11.3	32.1	6.5	11.3
From E. 54th Street to E. 55th Street	320	21.2	10.3	12.1	21.3	10.3	12.4	21.3	10.3	12.4	21.3	10.3	12.4	24.8	8.8	24.1	21.3	10.3	12.4	21.3	10.3	12.4	21.6	10.1	13.5	21.3	10.3	12.4
From E. 55th Street to E. 56th Street	310	18.5	11.4	13.5	18.6	11.4	13.7	18.6	11.4	13.7	19.3	10.9	16.3	19.7	10.7	17.6	18.6	11.4	13.7	18.6	11.4	13.7	18.6	11.4	13.7	18.6	11.4	13.7
From E. 56th Street to E. 57th Street	357	14.7	15.7	45.3	16.6	13.9	51.6	16.6	13.9	51.6	29.4	7.8	94.5	42.8	5.4	139	16.6	13.9	51.6	16.6	13.9	51.6	16.6	13.9	51.6	16.6	13.9	51.6
From E. 57th Street to E. 58th Street	344	13.8	17.0	12.2	13.9	16.9	12.4	13.9	16.9	12.4	14.3	16.4	13.8	14.4	16.3	14.2	13.9	16.9	12.4	13.9	16.9	12.4	13.9	16.9	12.4	13.9	16.9	12.4
From E. 58th Street to E. 59th Street	316	11.8	18.2	18.0	12.0	17.9	18.7	12.0	17.9	18.7	12.8	16.9	21.1	12.0	17.9	18.7	12.0	17.9	18.7	12.0	17.9	18.7	12.0	17.9	18.7	12.0	17.9	18.7
From E. 59th Street to E. 60th Street	300	6.5	31.5	11.3	6.6	31.2	11.5	6.6	31.2	11.5	6.6	31.2	11.5	6.6	31.2	11.5	6.6	31.2	11.5	6.6	31.2	11.5	6.6	31.2	11.5	6.6	31.2	11.5
From E. 60th Street to E. 61st Street	316	6.3	34.0	15.1	6.7	32.3	14.2	6.7	32.3	14.2	6.7	32.3	14.2	6.7	32.3	14.2	6.7	32.3	14.2	6.7	32.3	14.2	6.7	32.3	14.2	6.7	32.3	14.2
E. 54th Street EB																													
From Lexington Avenue to Third Avenue	600	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-	35.5	11.5	-
From Third Avenue to Second Avenue	854	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-	31.8	18.3	-
From Second Avenue to First Avenue	906	31.0	19.9	46.7	31.7	19.5	49.1	31.7	19.5	49.1	31.7	19.5	49.1	31.7	19.5	49.1	31.7	19.5	49.1	31.7	19.5	49.1	31.7	19.5	49.1	31.7	19.5	49.1
From First Avenue to York Avenue	858	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-	43.8	13.4	-
E. 55th Street WB																													
From York Avenue to First Avenue	854	36.0	16.2	35.7	36.2	16.1	36.5	36.2	16.1	36.5	36.2	16.1	36.5	36.2	16.1	36.5	36.2	16.1	36.5	36.2	16.1	36.5	36.2	16.1	36.5	34.2	17.0	29.8
From First Avenue to Second Avenue	909	35.2	17.6	25.5	35.2	17.6	25.7	35.2	17.6	25.7	35.2	17.6	25.7	35.2	17.6	25.7	35.2	17.6	25.7	35.2	17.6	25.7	35.1	17.6	25.4	35.0	17.7	25.1
From Second Avenue to Third Avenue	854	53.7	10.8	25.4	53.7	10.8	25.6	53.7	10.8	25.6	53.7	10.8	25.6	53.7	10.8	25.6	53.7	10.8	25.6	53.7	10.8	25.6	53.7	10.8	25.6	53.7	10.8	25.6
From Third Avenue to Lexington Avenue	604	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-	26.2	15.7	-
From Lexington Avenue to Park Avenue	540	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-	42.3	8.7	-
E. 56th Street EB																													
From Park Avenue to Lexington Avenue	540	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-	32.2	11.4	-
From Lexington Avenue to Third Avenue	600	34.8	11.7	44.5	35.5	11.5	46.7	35.5	11.5	46.7	35.5	11.5	46.7	35.5	11.5	46.7	35.5	11.5	46.7	35.5	11.5	46.7	35.5	11.5	46.7	35.5	11.5	46.7
From Third Avenue to Second Avenue	854	27.8	20.9	42.6	28.3	20.6	44.1	28.3	20.6	44.1	28.3	20.6	44.1	28.3	20.6	44.1	28.3	20.6	44	30.4	19.2	51	28.3	20.6	44.1	28.3	20.6	44.1
From Second Avenue to First Avenue	906	36.8	16.8	27.8	37.0	16.7	28.3	37.0	16.7	28.3	37.1	16.6	28.7	37.1	16.6	28.7	35.7	17.3	24	37.0	16.7	28.3	37.0	16.7	28.3	37.0	16.7	28.3
From First Avenue to York Avenue	858	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-	29.3	19.9	-

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0411C
SHAFT 33B

Table 3: Weekday PM Speed Data

Corridor	LINK LENGTH	WEEKDAY PM																											
		2004 EXISTING			2008 NO-BUILD			2008 BUILD SHAFT			2008 BUILD SEGMENT 1			2008 BUILD SEGMENT 3			2008 BUILD SEGMENT 5			2008 BUILD SEGMENT 7			2008 BUILD SEGMENT 9			2008 BUILD SEGMENT 10		
		RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY	RUN TIME	RUN SPEED	DELAY
E. 57th Street EB																													
From Lexington Avenue to Third Avenue	600	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-	31.6	12.9	-
From Third Avenue to Second Avenue	854	37.9	15.4	55.8	40.1	14.5	63.3	40.1	14.5	63.3	40.1	14.5	63.3	40.1	14.5	63.3	40.1	14.5	63.3	40.1	14.5	63.3	40.1	14.5	63.3	40.1	14.5	63.3
From Second Avenue to Queensboro Bridge Ramp	272	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-	14.8	12.6	-
From Queensboro Bridge Ramp to First Avenue	634	41.8	10.4	32.0	42.7	10.1	35.1	42.7	10.1	35.1	42.7	10.1	35.1	42.7	10.1	35.1	42.7	10.1	35.1	42.7	10.1	35.1	42.7	10.1	35.1	42.7	10.1	35.1
From First Avenue to York Avenue	858	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-	27.0	21.7	-
E. 57th Street WB																													
From York Avenue to First Avenue	854	38.7	15.0	27.7	38.8	15.0	28.0	38.8	15.0	28	38.8	15.0	28	38.8	15.0	28	38.8	15.0	28	38.8	15.0	28	38.8	15.0	28	38.8	15.0	28
From First Avenue to Queensboro Bridge Ramp	634	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-	31.1	13.9	-
From Queensboro Bridge Ramp to Second Avenue	272	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9	18.3	10.1	19.9
From Second Avenue to Third Avenue	854	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-	86.4	6.7	-
From Third Avenue to Lexington Avenue	604	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-	19.1	21.5	-
E. 58th Street EB																													
From Lexington Avenue to Third Avenue	600	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-	51.0	8.0	-
From Third Avenue to Second Avenue	854	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-	50.8	11.5	-
From Second Avenue to Queensboro Bridge Ramp	272	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-	14.5	12.8	-
From Queensboro Bridge Ramp to First Avenue	634	92.3	4.7	18.4	92.4	4.7	18.9	92.4	4.7	18.9	92.4	4.7	18.9	92.4	4.7	18.9	92.4	4.7	18.9	92.4	4.7	18.9	92.4	4.7	18.9	92.4	4.7	18.9
From First Avenue to York Avenue	858	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-	28.8	20.3	-
E. 59th Street EB																													
From Lexington Avenue to Third Avenue	600	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-	43.4	9.4	-
From Third Avenue to Second Avenue	854	55.1	10.6	52.6	57.6	10.1	60.7	57.6	10.1	60.7	57.6	10.1	60.7	57.6	10.1	60.7	57.6	10.1	60.7	57.6	10.1	60.7	57.6	10.1	60.7	57.6	10.1	60.7
From Second Avenue to First Avenue	906	51.3	12.0	37.7	52.7	11.7	42.3	53.6	11.5	45.4	53.6	11.5	45.4	52.7	11.7	42.3	52.7	11.7	42.3	52.7	11.7	42.3	52.7	11.7	42.3	52.7	11.7	42.3
From First Avenue to York Avenue	858	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-	39.0	15.0	-
E. 59th Street WB																													
From York Avenue to First Avenue	854	48.0	12.1	21.5	48.1	12.1	21.8	48.1	12.1	21.8	48.1	12.1	21.8	48.1	12.1	21.8	48.1	12.1	21.8	48.1	12.1	21.8	48.1	12.1	21.8	48.1	12.1	21.8