

# Appendix 7 – Conceptual Analysis

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**East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Projected Sites**

Site Data				Future Without the Proposed Action (No-Action) Scenario															
Site	Block	Lot(s)	Lot Area	Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	Number of Dwelling Units	Office Mechanical <sup>2</sup> (gsf)								
Site LD 1	869	16	14,220	217,317	217,317	-	205,317	12,000	-	-	-								
	869	58	5,370	91,212	91,212	-	85,212	6,000	-	-	-								
	869	61	6,480	74,186	74,186	-	68,186	6,000	-	-	-								
	869	64	7,400	89,423	89,423	-	82,423	7,000	-	-	-								
	<b>TOTAL</b>			<b>33,470</b>	<b>472,138</b>	<b>472,138</b>	-	<b>441,138</b>	<b>31,000</b>	-	-	-							
Site LD 2	869	25	2,469	132,240	9,878	122,362	-	9,878	-	123	-								
	869	26	2,472																
	869	27	4,937																
	<b>TOTAL</b>											<b>9,878</b>							
				<b>132,240</b>	<b>9,878</b>	<b>122,362</b>	<b>-</b>	<b>9,878</b>	<b>-</b>	<b>123</b>	<b>-</b>								
Site LD 3	1275	23	21,825	407,127	407,127	-	386,052	21,075	-	-	-								
	<b>TOTAL</b>			<b>21,825</b>	<b>407,127</b>	<b>407,127</b>	-	<b>386,052</b>	<b>21,075</b>	-	-	-							
Site LD 4	1277	20	23,025	796,554	727,289	-	683,998	43,291	-	-	-								
	1277	27	10,250																
	1277	46	3,350																
	1277	52	6,666																
	<b>TOTAL</b>											<b>43,291</b>							
				<b>796,554</b>	<b>727,289</b>	<b>-</b>	<b>683,998</b>	<b>43,291</b>	<b>-</b>	<b>-</b>	<b>-</b>								
Site LD 5	1278	8	5,690	36,616	36,616	-	36,616	-	-	-	-								
	1278	14	27,750	486,874	486,874	-	466,874	20,000	-	-	-								
	1278	15	2,375	35,625	35,625	-	33,325	2,300	-	-	-								
	1278	17	2,375	35,625	35,625	-	33,325	2,300	-	-	-								
	1278	62	2,513	94,991	7,539	87,452	-	7,539	-	88	-								
	1278	63	2,513																
	1278	64	2,513																
	1278	65	5,020																
	<b>TOTAL</b>											<b>50,749</b>							
												<b>752,649</b>	<b>665,197</b>	<b>87,452</b>	<b>570,140</b>	<b>32,139</b>	<b>62,918</b>	<b>88</b>	<b>-</b>
Site LD 6	1279	9	8,133									110,999	110,999	-	104,999	6,000	-	-	-
	1279	17	13,125									122,600	122,600	-	50,325	72,275	-	-	-
	1279	57	18,800									380,766	380,766	-	344,482	36,284	-	-	-
	1279	63	4,522	15,023	15,023	-	-	15,023	-	-	-								
	1279	65	5,020	79,280	79,280	-	74,280	5,000	-	-	-								
	<b>TOTAL</b>			<b>49,600</b>	<b>708,668</b>	<b>708,668</b>	-	<b>574,086</b>	<b>134,582</b>	-	-	-							
Site LD 7	1279	23	5,000	460,938	420,857	-	409,907	10,950	-	-	40,082								
	1279	24	2,541																
	1279	25	2,510																
	1279	48	15,000																
	1279	28	9,105																
	1279	45	9,105																
<b>TOTAL</b>			<b>43,261</b>																
				<b>798,163</b>	<b>758,082</b>	<b>-</b>	<b>562,737</b>	<b>29,274</b>	<b>166,071</b>	<b>-</b>	<b>40,082</b>								
Site LD 8	1281	62	5,020	145,505	11,548	133,957	-	11,548	-	134	-								
	1281	64	2,445																
	1281	65	4,083																
	<b>TOTAL</b>											<b>11,548</b>							
				<b>145,505</b>	<b>11,548</b>	<b>133,957</b>	<b>-</b>	<b>11,548</b>	<b>-</b>	<b>134</b>	<b>-</b>								
Site LD 9	1281	21	43,313	598,248	598,248	-	-	-	598,248	-	-								
	<b>TOTAL</b>			<b>43,313</b>	<b>598,248</b>	<b>598,248</b>	-	<b>-</b>	<b>-</b>	<b>598,248</b>	<b>-</b>	<b>-</b>							
Site LD 10	1282	17	38,150	698,996	698,996	-	677,674	21,322	-	-	-								
	1282	64	8,033	29,000	29,000	-	16,800	12,200	-	-	-								
	<b>TOTAL</b>			<b>46,183</b>	<b>727,996</b>	<b>727,996</b>	-	<b>694,474</b>	<b>33,522</b>	-	-	-							

**East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Projected Sites**

Site Data				Future Without the Proposed Action (No-Action) Scenario							
Site	Block	Lot(s)	Lot Area	Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	Number of Dwelling Units	Office Mechanical <sup>2</sup> (gsf)
Site LD 11	1283	8	2,510								
	1283	9	2,510								
	1283	10	2,510								
	1283	11	2,510								
	1283	12	2,500								
	1283	13	2,500								
	<b>TOTAL</b>		<b>15,040</b>	<b>213,171</b>	<b>15,040</b>	<b>198,131</b>	<b>-</b>	<b>15,040</b>	<b>-</b>	<b>199</b>	<b>-</b>
Site LD 14	1300	42	3,314								
	1300	44	3,213								
	<b>TOTAL</b>		<b>6,527</b>	<b>82,240</b>	<b>6,527</b>	<b>75,713</b>	<b>-</b>	<b>6,527</b>	<b>-</b>	<b>76</b>	<b>-</b>
Site LD 15	1302	25	5,522								
	1302	27	1,674								
	1302	127	1,688								
	1302	28	1,688								
	1302	29	1,688								
	<b>TOTAL</b>		<b>12,260</b>	<b>167,349</b>	<b>12,260</b>	<b>155,089</b>	<b>-</b>	<b>12,260</b>	<b>-</b>	<b>156</b>	<b>-</b>
Site LD 16	1303	14	41,170								
	<b>TOTAL</b>		<b>41,170</b>	<b>427,611</b>	<b>427,611</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>427,611</b>	<b>-</b>	<b>-</b>
<b>TOTALS</b>				<b>6,429,660</b>	<b>5,547,609</b>	<b>772,705</b>	<b>3,912,625</b>	<b>380,136</b>	<b>1,254,848</b>	<b>776</b>	<b>109,347</b>

Notes

- 1) For residential buildings and hotels, per standard practice, the building gross square footage is derived from zoning floor area plus five percent mechanical space.
- 2) For large high-end office buildings, as the result of the Proposed Action it is assumed that these buildings would utilize a much larger allocation of mechanical space than found in typical office use; therefore the total mechanical space are set at fifteen percent over their zoning floor area. The environmental density analyses are based on the values shown in OfficeArea (usable) column.

East Midtown RWCDS - Smaller Rezoning Area/Lesser Density Alternative - Projected Sites

Site Data			
Site	Block	Lot(s)	Lot Area
Site LD 1	869	16	14,220
	869	58	5,370
	869	61	6,480
	869	64	7,400
<b>TOTAL</b>			<b>33,470</b>

Future With the Proposed Action (With-Action) Scenario										
Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	No of Dwelling Units	Parking Spaces: New Construction	Office Mechanical <sup>2</sup> (gsf)	Neighborhood Retail Area (gsf)	Destination Retail Area (gsf)
831,395	759,100	-	725,630	33,470	-	-	100	72,295	33,470	-
<b>831,395</b>	<b>759,100</b>	<b>-</b>	<b>725,630</b>	<b>33,470</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>72,295</b>	<b>33,470</b>	<b>-</b>

Site LD 2	869	25	2,469
	869	26	2,472
	869	27	4,937
<b>TOTAL</b>			<b>9,878</b>

142,612	18,149	124,463	-	18,149	-	125	-	-	18,149	-
<b>142,612</b>	<b>18,149</b>	<b>124,463</b>	<b>-</b>	<b>18,149</b>	<b>-</b>	<b>125</b>	<b>-</b>	<b>-</b>	<b>18,149</b>	<b>-</b>

Site LD 3	1275	23	21,825
<b>TOTAL</b>			<b>21,825</b>

445,901	407,127	-	385,302	21,825	-	-	-	38,774	21,825	-
<b>445,901</b>	<b>407,127</b>	<b>-</b>	<b>385,302</b>	<b>21,825</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38,774</b>	<b>21,825</b>	<b>-</b>

Site LD 4	1277	20	23,025
	1277	27	10,250
	1277	46	3,350
	1277	52	6,666
<b>TOTAL</b>			<b>43,291</b>

1,194,832	1,090,933	-	1,047,642	43,291	-	-	-	103,898	21,646	21,646
<b>1,194,832</b>	<b>1,090,933</b>	<b>-</b>	<b>1,047,642</b>	<b>43,291</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>103,898</b>	<b>21,646</b>	<b>21,646</b>

Site LD 5	1278	8	5,690
	1278	14	27,750
	1278	15	2,375
	1278	17	2,375
	1278	62	2,513
	1278	63	2,513
	1278	64	2,513
1278	65	5,020	
<b>TOTAL</b>			<b>50,749</b>

1,260,605	1,150,987	-	1,100,238	50,749	-	-	100	109,618	25,375	25,375
<b>1,260,605</b>	<b>1,150,987</b>	<b>-</b>	<b>1,100,238</b>	<b>50,749</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>109,618</b>	<b>25,375</b>	<b>25,375</b>

Site LD 6	1279	9	8,133
	1279	17	13,125
	1279	57	18,800
	1279	63	4,522
	1279	65	5,020
<b>TOTAL</b>			<b>49,600</b>

1,232,064	1,124,928	-	1,075,328	49,600	-	-	100	107,136	24,800	24,800
<b>1,232,064</b>	<b>1,124,928</b>	<b>-</b>	<b>1,075,328</b>	<b>49,600</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>107,136</b>	<b>24,800</b>	<b>24,800</b>

Site LD 7	1279	23	5,000
	1279	24	2,541
	1279	25	2,510
	1279	48	15,000
	1279	28	9,105
	1279	45	9,105
<b>TOTAL</b>			<b>43,261</b>

1,194,004	1,090,177	-	1,046,916	43,261	-	-	-	103,826	21,631	21,631
<b>1,194,004</b>	<b>1,090,177</b>	<b>-</b>	<b>1,046,916</b>	<b>43,261</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>103,826</b>	<b>21,631</b>	<b>21,631</b>

**East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Projected Sites**

Site Data			
Site	Block	Lot(s)	Lot Area
Site LD 8	1281	62	5,020
	1281	64	2,445
	1281	65	4,083
	TOTAL		11,548

Future With the Proposed Action (With-Action) Scenario										
Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	No of Dwelling Units	Parking Spaces: New Construction	Office Mechanical <sup>2</sup> (gsf)	Neighborhood Retail Area (gsf)	Destination Retail Area (gsf)
157,630	157,630	-	-	11,548	146,082	-	-	-	11,548	-
<b>157,630</b>	<b>157,630</b>	<b>-</b>	<b>-</b>	<b>11,548</b>	<b>146,082</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11,548</b>	<b>-</b>

Site LD 9	1281	21	43,313
	TOTAL		43,313

1,195,439	1,091,488	-	1,048,175	43,313	-	-	-	103,951	21,657	21,657
<b>1,195,439</b>	<b>1,091,488</b>	<b>-</b>	<b>1,048,175</b>	<b>43,313</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>103,951</b>	<b>21,657</b>	<b>21,657</b>

Site LD 10	1282	17	38,150
	1282	64	8,033
	TOTAL		46,183

1,147,186	1,047,430	-	1,001,247	46,183	-	-	100	99,755	23,092	23,092
<b>1,147,186</b>	<b>1,047,430</b>	<b>-</b>	<b>1,001,247</b>	<b>46,183</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>99,755</b>	<b>23,092</b>	<b>23,092</b>

Site LD 11	1283	8	2,510
	1283	9	2,510
	1283	10	2,510
	1283	11	2,510
	1283	12	2,500
	1283	13	2,500
TOTAL		15,040	

213,171	213,171	-	-	15,040	198,131	-	-	-	15,040	-
<b>213,171</b>	<b>213,171</b>	<b>-</b>	<b>-</b>	<b>15,040</b>	<b>198,131</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15,040</b>	<b>-</b>

Site LD 14	1300	42	3,314
	1300	44	3,213
	TOTAL		6,527

89,094	6,527	82,567	-	6,527	-	83	-	-	6,527	-
<b>89,094</b>	<b>6,527</b>	<b>82,567</b>	<b>-</b>	<b>6,527</b>	<b>-</b>	<b>83</b>	<b>-</b>	<b>-</b>	<b>6,527</b>	<b>-</b>

Site LD 15	1302	25	5,522
	1302	27	1,674
	1302	127	1,688
	1302	28	1,688
	1302	29	1,688
TOTAL		12,260	

167,349	167,349	-	-	12,260	155,089	-	-	-	12,260	-
<b>167,349</b>	<b>167,349</b>	<b>-</b>	<b>-</b>	<b>12,260</b>	<b>155,089</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,260</b>	<b>-</b>

Site LD 16	1303	14	41,170
	TOTAL		41,170

805,419	805,419	-	-	41,170	764,249	-	-	-	41,170	-
<b>805,419</b>	<b>805,419</b>	<b>-</b>	<b>-</b>	<b>41,170</b>	<b>764,249</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>41,170</b>	<b>-</b>

**TOTALS**

<b>10,076,700</b>	<b>9,130,416</b>	<b>207,029</b>	<b>7,430,478</b>	<b>436,386</b>	<b>1,263,552</b>	<b>208</b>	<b>400</b>	<b>739,254</b>	<b>298,188</b>	<b>138,199</b>
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Notes

- 1) For residential buildings and hotels, per standard practice, the building gross square footage is derived from zoning floor area plus five percent mechanical space.
- 2) For large high-end office buildings, as the result of the Proposed Action it is assumed that these buildings would utilize a much larger allocation of mechanical space than found in typical office use; therefore the total mechanical space are set at fifteen percent over their zoning floor area. The environmental density analyses are based on the values shown in OfficeArea (usable) column.

East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Projected Sites

Site Data				Increment						
Site	Block	Lot(s)	Lot Area	Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	Number of Dwelling Units
Site LD 1	869	16	14,220							
	869	58	5,370							
	869	61	6,480							
	869	64	7,400							
	TOTAL			33,470	359,257	286,962	-	284,492	2,470	-
Site LD 2	869	25	2,469							
	869	26	2,472							
	869	27	4,937							
	TOTAL			9,878	10,372	8,271	2,101	-	8,271	-
Site LD 3	1275	23	21,825							
	TOTAL			21,825	38,774	-	-	(750)	750	-
Site LD 4	1277	20	23,025							
	1277	27	10,250							
	1277	46	3,350							
	1277	52	6,666							
	TOTAL			43,291	398,277	363,644	-	363,644	-	-
Site LD 5	1278	8	5,690							
	1278	14	27,750							
	1278	15	2,375							
	1278	17	2,375							
	1278	62	2,513							
	1278	63	2,513							
	1278	64	2,513							
	1278	65	5,020							
TOTAL			50,749	507,956	485,790	(87,452)	530,098	18,610	(62,918)	(88)
Site LD 6	1279	9	8,133							
	1279	17	13,125							
	1279	57	18,800							
	1279	63	4,522							
	1279	65	5,020							
	TOTAL			49,600	523,396	416,260	-	501,242	(84,982)	-
Site LD 7	1279	23	5,000							
	1279	24	2,541							
	1279	25	2,510							
	1279	48	15,000							
	1279	28	9,105							
	1279	45	9,105							
	TOTAL			43,261	395,840	332,095	-	484,179	13,987	(166,071)
Site LD 8	1281	62	5,020							
	1281	64	2,445							
	1281	65	4,083							
	TOTAL			11,548	12,125	146,082	(133,957)	-	-	146,082
Site LD 9	1281	21	43,313							
	TOTAL			43,313	597,191	493,240	-	1,048,175	43,313	(598,248)
Site LD 10	1282	17	38,150							
	1282	64	8,033							
	TOTAL			46,183	419,190	319,434	-	306,773	12,661	-

**East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Projected Sites**

Site Data			
Site	Block	Lot(s)	Lot Area
Site LD 11	1283	8	2,510
	1283	9	2,510
	1283	10	2,510
	1283	11	2,510
	1283	12	2,500
	1283	13	2,500
TOTAL			15,040

Site LD 14	1300	42	3,314
	1300	44	3,213
	TOTAL		6,527

Site LD 15	1302	25	5,522
	1302	27	1,674
	1302	127	1,688
	1302	28	1,688
	1302	29	1,688
TOTAL			12,260

Site LD 16	1303	14	41,170
	TOTAL		41,170

**TOTALS**

Increment						
Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	Number of Dwelling Units
-	198,131	(198,131)	-	-	198,131	(199)

6,853	-	6,853	-	-	-	7
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-	155,089	(155,089)	-	-	155,089	(156)
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377,808	377,808	-	-	41,170	336,638	-
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<b>3,647,040</b>	<b>3,582,808</b>	<b>(565,675)</b>	<b>3,517,854</b>	<b>56,250</b>	<b>8,704</b>	<b>(568)</b>
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Notes

- 1) For residential buildings and hotels, per standard practice, the building gross square footage is derived from zoning floor area plus five percent mechanical space.
- 2) For large high-end office buildings, as the result of the Proposed Action it is assumed that these buildings would utilize a much larger allocation of mechanical space than found in typical office use; therefore the total mechanical space are set at fifteen percent over their zoning floor area. The environmental density analyses are based on the values shown in OfficeArea (usable) column.



East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Potential Sites

Potential Sites	Site Data			Future Without the Proposed Action (No-Action) Scenario							
	Block	Lot	Lot Area	Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	Num of Res Units	Office Mechanical <sup>2</sup> (gsf)
LD Potential Site 1	895	1	25675	530,900	530,900	-	488,245	20,525	-	-	-
	TOTAL		25,675	530,900	530,900	-	488,245	20,525	-	-	-
LD Potential Site 2	1275	8	7,406	79,738	79,738	-	73,188	6,550	-	-	-
	1275	11	2,450	11,951	11,951	-	11,951	-	-	-	-
	1275	12	5,100	57,643	57,643	-	51,292	6,351	-	-	-
	1275	14	4,735	102,079	102,079	-	102,079	-	-	-	-
	1275	16	4,750	36,681	36,681	-	30,111	6,570	-	-	-
	1275	59	9,250	170,230	170,230	-	164,420	5,810	-	-	-
	1275	60	2,479	7,255	7,255	-	3,855	3,400	-	-	-
	1275	61	4,950	92,939	92,939	-	89,439	3,500	-	-	-
	1275	63	2,469	9,200	9,200	-	7,200	2,000	-	-	-
	1275	64	6,325	83,247	83,247	-	72,149	11,098	-	-	-
TOTAL		49,914	650,963	650,963	-	605,684	45,279	-	-	-	
LD Potential Site 3	1278	20	43,313	874,734	874,734	-	850,729	24,005	-	-	-
	TOTAL		43,313	874,734	874,734	-	850,729	24,005	-	-	-
LD Potential Site 4	1281	9	2,513	18,933	18,933	-	14,833	4,100	-	-	-
	1281	56	6,025	84,518	84,518	-	78,589	5,929	-	-	-
	1281	59	6,025	87,016	87,016	-	77,716	9,300	-	-	-
	1281	7501	19,581	323,029	323,029	-	318,943	-	4,086	-	-
	TOTAL		34,144	513,496	513,496	-	490,081	19,329	4,086	-	-
LD Potential Site 5	1282	34	24970	444,628	444,628	-	434,628	10,000	-	-	-
	TOTAL		24,970	444,628	444,628	-	434,628	10,000	-	-	-
LD Potential Site 8	1295	17	12,359	238,274	238,274	-	228,274	10,000	-	-	-
	1295	58	14,812	246,585	246,585	-	233,287	13,298	-	-	-
	TOTAL		27,171	484,859	484,859	-	461,561	23,298	-	-	-
LD Potential Site 9	1296	1	24786	518,582	518,582	-	497,582	21,000	-	-	-
	TOTAL		24,786	518,582	518,582	-	497,582	21,000	-	-	-
LD Potential Site 11	1301	23	46,125	743,779	743,779	-	674,979	25,632	-	-	-
	1301	33	38,225	761,057	761,057	-	734,837	26,220	-	-	-
	TOTAL		84,350	1,504,836	1,504,836	-	1,409,816	51,852	-	-	-
LD Potential Site 12	1302	123	1,280	3,600	3,600	-	-	900	2,700	-	-
	1302	51	17,522	314,568	314,568	-	-	16,974	297,594	-	-
	1302	21	6,050	92,501	92,501	-	-	-	92,501	-	-
	1302	22	1,360	3,864	1,200	2,664	-	1,200	-	3	-
	1302	23	1,360	3,813	1,938	1,875	938	1,000	-	2	-
	1302	24	2,010	7,121	4,747	2,374	1,187	3,560	-	4	-
	TOTAL		29,582	425,467	418,554	6,913	2,125	23,634	392,795	9	-

Notes

- 1) For residential buildings and hotels, per standard practice, the building gross square footage is derived from zoning floor area plus five percent mechanical space.
- 2) For large high-end office buildings, as the result of the Proposed Action it is assumed that these buildings would utilize a much larger allocation of mechanical space than found in typical office use; therefore the total mechanical space are set at fifteen percent over their zoning floor area. The environmental density analyses are based on the values shown in OfficeArea (usable) column.

**East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Potential Sites**

Potential Sites	Site Data			Future With the Proposed Action (With-Action) Scenario										
	Block	Lot	Lot Area	Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	No of Dwelling Units	Parking Spaces: New Construction	Office Mechanical <sup>2</sup> (gsf)	Neighborhood Retail Area (gsf)	Destination Retail Area (gsf)
LD Potential Site 1	895	1	25675	581,462	530,900	-	505,225	25,675	-	-	-	50,562	25,675	-
	<b>TOTAL</b>		<b>25,675</b>	<b>581,462</b>	<b>530,900</b>	<b>-</b>	<b>505,225</b>	<b>25,675</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50,562</b>	<b>25,675</b>	<b>-</b>
LD Potential Site 2	1275	8	7,406											
	1275	11	2,450											
	1275	12	5,100											
	1275	14	4,735											
	1275	16	4,750											
	1275	59	9,250											
	1275	60	2,479											
	1275	61	4,950											
	1275	63	2,469											
	1275	64	6,325											
<b>TOTAL</b>		<b>49,914</b>		<b>1,239,864</b>	<b>1,132,050</b>	<b>-</b>	<b>1,082,136</b>	<b>49,914</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>107,814</b>	<b>24,957</b>	<b>24,957</b>
LD Potential Site 3	1278	20	43,313	1,195,439	1,091,488	-	1,048,175	43,313	-	-	-	103,951	21,657	21,657
	<b>TOTAL</b>		<b>43,313</b>	<b>1,195,439</b>	<b>1,091,488</b>	<b>-</b>	<b>1,048,175</b>	<b>43,313</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>103,951</b>	<b>21,657</b>	<b>21,657</b>
LD Potential Site 4	1281	9	2,513											
	1281	56	6,025											
	1281	59	6,025											
	1281	7501	19,581	848,137	774,386	-	740,242	34,144	-	-	100	73,751	34,144	-
<b>TOTAL</b>		<b>34,144</b>	<b>848,137</b>	<b>774,386</b>	<b>-</b>	<b>740,242</b>	<b>34,144</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>73,751</b>	<b>34,144</b>	<b>-</b>	
LD Potential Site 5	1282	34	24,970	486,974	444,628	-	419,658	24,970	-	-	-	42,346	24,970	-
	<b>TOTAL</b>		<b>24,970</b>	<b>486,974</b>	<b>444,628</b>	<b>-</b>	<b>419,658</b>	<b>24,970</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>42,346</b>	<b>24,970</b>	<b>-</b>
LD Potential Site 8	1295	17	12,359											
	1295	58	14,812	674,928	616,238	-	589,067	27,171	-	-	-	58,689	27,171	-
	<b>TOTAL</b>		<b>27,171</b>	<b>674,928</b>	<b>616,238</b>	<b>-</b>	<b>589,067</b>	<b>27,171</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>58,689</b>	<b>27,171</b>	<b>-</b>
LD Potential Site 9	1296	1	24,786	567,971	518,582	-	493,796	24,786	-	-	-	49,389	24,786	-
	<b>TOTAL</b>		<b>24,786</b>	<b>567,971</b>	<b>518,582</b>	<b>-</b>	<b>493,796</b>	<b>24,786</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>49,389</b>	<b>24,786</b>	<b>-</b>
LD Potential Site 11	1301	23	46,125											
	1301	33	38,225	1,991,324	1,818,166	-	1,733,816	84,350	-	-	100	173,159	42,175	42,175
	<b>TOTAL</b>		<b>84,350</b>	<b>1,991,324</b>	<b>1,818,166</b>	<b>-</b>	<b>1,733,816</b>	<b>84,350</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>173,159</b>	<b>42,175</b>	<b>42,175</b>
LD Potential Site 12	1302	123	1,280											
	1302	51	17,522											
	1302	21	6,050											
	1302	22	1,360											
	1302	23	1,360											
	1302	24	2,010	670,920	670,920	-	-	29,582	641,338	-	148	-	29,582	-
<b>TOTAL</b>		<b>29,582</b>	<b>670,920</b>	<b>670,920</b>	<b>-</b>	<b>-</b>	<b>29,582</b>	<b>641,338</b>	<b>-</b>	<b>148</b>	<b>-</b>	<b>29,582</b>	<b>-</b>	

Notes

- 1) For residential buildings and hotels, per standard practice, the building gross square footage is derived from zoning floor area plus five percent mechanical space.
- 2) For large high-end office buildings, as the result of the Proposed Action it is assumed that these buildings would utilize a much larger allocation of mechanical space than found in typical office use; therefore the total mechanical space are set at fifteen percent over their zoning floor area. The environmental density analyses are based on the values shown in OfficeArea (usable) column.

East Midtown RWCDs - Smaller Rezoning Area/Lesser Density Alternative - Potential Sites

Potential Sites	Site Data			Increment						
	Block	Lot	Lot Area	Building Area (gsf) including Office Mechanical	Commercial Area: Office, Retail and Hotel Areas (gsf)	Residential Area (gsf)	Office Area Usable <sup>2</sup> (gsf)	Retail Area (gsf)	Hotel Area (gsf)	Number of Dwelling Units
LD Potential Site 1	895	1	25675							
	TOTAL			50,562	-	-	16,980	5,150	-	-
LD Potential Site 2	1275	8	7,406							
	1275	11	2,450							
	1275	12	5,100							
	1275	14	4,735							
	1275	16	4,750							
	1275	59	9,250							
	1275	60	2,479							
	1275	61	4,950							
	1275	63	2,469							
	1275	64	6,325							
TOTAL			49,914	588,901	481,087	-	476,452	4,635	-	-
LD Potential Site 3	1278	20	43,313							
	TOTAL			43,313	320,705	216,754	-	197,446	19,308	-
LD Potential Site 4	1281	9	2,513							
	1281	56	6,025							
	1281	59	6,025							
	1281	7501	19,581							
TOTAL			34,144	334,641	260,890	-	250,161	14,815	(4,086)	-
LD Potential Site 5	1282	34	24970							
	TOTAL			24,970	42,346	-	(14,970)	14,970	-	-
LD Potential Site 8	1295	17	12,359							
	1295	58	14,812							
	TOTAL			27,171	190,069	131,379	-	127,506	3,873	-
LD Potential Site 9	1296	1	24786							
	TOTAL			24,786	49,389	-	(3,786)	3,786	-	-
LD Potential Site 11	1301	23	46,125							
	1301	33	38,225							
	TOTAL			84,350	486,488	313,330	-	324,000	32,498	-
LD Potential Site 12	1302	123	1,280							
	1302	51	17,522							
	1302	21	6,050							
	1302	22	1,360							
	1302	23	1,360							
	1302	24	2,010							
TOTAL			29,582	245,453	252,366	(6,913)	(2,125)	5,948	248,543	(9)

Notes

- 1) For residential buildings and hotels, per standard practice, the building gross square footage is derived from zoning floor area plus five percent mechanical space.
- 2) For large high-end office buildings, as the result of the Proposed Action it is assumed that these buildings would utilize a much larger allocation of mechanical space than found in typical office use; therefore the total mechanical space are set at fifteen percent over their zoning floor area. The environmental density analyses are based on the values shown in OfficeArea (usable) column.



**TABLE 1: SPECIAL PERMIT SCENARIO: ADEQUACY OF OPEN SPACE RESOURCES**

	Total Population	Open Space Acreage			Open Space Ratios Per 1,000 People			CEQR Open Space Ratio Benchmark		
		Total	Passive	Active	Total	Passive	Active	Total	Passive	Active
Non-Residents	571,629	41.01	40.80	0.21	N/A	0.071	N/A	N/A	0.15	N/A
Combined Non-Residents and Residents	638,421				N/A	0.064	N/A	N/A	0.187 <sup>(1)</sup>	N/A

(1) Based on a target open space ratio established by creating a weighted average of the amount of open space necessary to meet the CEQR benchmark of 0.5 acre of passive open space per 1,000 residents and 0.15 acre of passive open space per 1,000 non-residents.

**TABLE 2: 2033 FUTURE WITH THE SPECIAL PERMIT SCENARIO: PASSIVE OPEN SPACE RATIOS SUMMARY**

Ratio	CEQR Open Space Ratio Benchmark	Open Space Ratios Per 1,000 People				Percent Change from No-Action to With-Action	
		Proposed Action		Special Permit Scenario		Proposed Action	Special Permit Scenario
		No-Action	With-Action	No-Action	With-Action		
Non-Residents	0.15	0.073	0.072	0.073	0.071	-1.37%	-2.74%
Combined Non-Residents and Residents	Weighted <sup>(1)</sup> 0.188/0.187	0.065	0.064	0.065	0.064	-1.54%	-1.54%

(1) Based on a target open space ratio established by creating a weighted average of the amount of open space necessary to meet the CEQR benchmark of 0.5 acres of passive open space per 1,000 residents and 0.15 acres of passive open space per 1,000 non-residents. Since this benchmark depends on the proportion of non-residents and residents in the study area's population, it is different for each analysis condition. Each of these ratios is listed in this table.

**TABLE 3: SPECIAL PERMIT SCENARIO WATER CONSUMPTION AND WASTEWATER GENERATION**

Land Use	Future Without the Proposed Action			Future Under the Special Permit Scenario			Incremental Changes Under the Special Permit Scenario		
	Area (sf)	Domestic Water/Wastewater Generation (gpd)	A/C (gpd)	Area (sf)	Domestic Water/Wastewater Generation (gpd)	A/C (gpd)	Area (sf)	Domestic Water/Wastewater Generation (gpd)	A/C (gpd)
Residential	772,705 (776 DU)	123,384	0	207,029 (208 DU)	33,072	0	-565,675 (-568 DU)	-90,312	0
Commercial—Retail	529,328	127,039	89,986	648,990	155,758	110,328	119,662	28,719	20,343
Commercial—Office	6,519,633	651,963	1,108,338	10,956,004	1,095,600	1,862,521	4,436,371	443,637	754,183
Hotel	2,010,947 (3,094 rooms)	742,560	341,861	2,134,234 (3,285 rooms)	788,400	362,820	123,286 (190 rooms)	45,600	20,959
Water Consumption Subtotals		1,644,946	1,540,185		2,072,830	2,335,669		427,644	795,485
Sewage Generation Subtotal			1,644,946			2,072,830			427,644
Total Water Consumption			3,185,131			4,408,499			1,223,129
Total Wastewater Generation			1,644,946			2,072,830			427,644

**Notes:**  
DU = dwelling unit

**TABLE 4: SPECIAL PERMIT SCENARIO SOLID WASTE GENERATION ON PROJECTED DEVELOPMENT SITES**

Use	Area (gsf)	Population <sup>1</sup>	Solid Waste Generation Rate (lbs/wk) <sup>2</sup>	Solid Waste Generation (lbs/wk) <sup>1</sup>
Office	10,956,004	43,824 employees	13 per employee	569,712 (284.9 tons/wk)
General Retail <sup>3</sup>	648,990	1,947 employees	79 per employee	153,813 (76.9 tons/wk)
Hotel	2,134,234 (3,285 rooms)	1,230 employees	75 per employee	92,250 (46.1 tons/wk)
Residential	207,029 (208 rooms)	208 households	41 per household	8,528 (4.3 tons/wk)
Parking	140,200	N/A	N/A	0
<b>Total Solid Waste Generation</b>				824,303 (412.2 tons/wk)
<b>Solid Waste Handled by Private Carters</b>				815,775 (407.9 tons/wk)
<b>Solid Waste Handled by DSNY</b>				8,528 (4.3 tons/wk)

**Notes:**  
<sup>1</sup> Assumes 1 employee per 250 gsf of office, 3 employees per 1,000 gsf of retail, and 1 employee per 2.67 hotel rooms.  
<sup>2</sup> Rates based on Table 14-1 of the *CEQR Technical Manual*.  
<sup>3</sup> For consistency purposes, the general retail solid waste generation rate is used for existing, No-Action, and With-Action conditions.

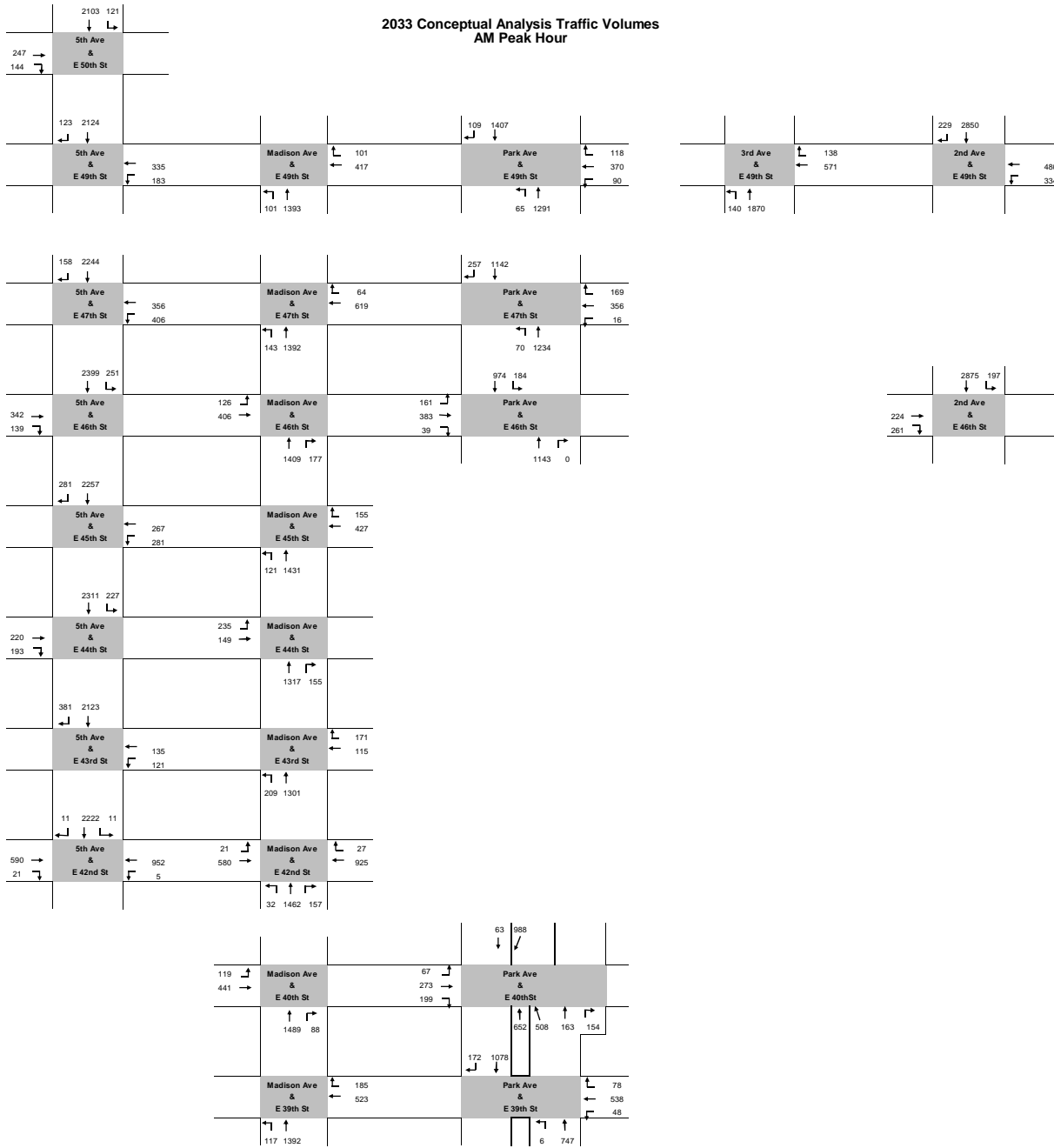
**TABLE 5: SPECIAL PERMIT SCENARIO: ESTIMATED ANNUAL ENERGY CONSUMPTION ON PROJECTED DEVELOPMENT SITES**

Building Type (Use)	Rate of Consumption (Thousand BTU (MBTU)/ sq. ft) <sup>1</sup>	No-Action Condition		Special Permit Scenario		Energy Use Increment (million BTUs)
		Floor Area (sq. ft) <sup>2</sup>	Annual Energy Consumption (million BTUs)	Floor Area (sq. ft) <sup>2</sup>	Annual Energy Consumption (million BTUs)	
Office	216.3	6,519,633	1,410,197	10,956,004	2,369,784	959,587
Retail	216.3	529,328	114,494	648,990	140,377	25,883
Hotel	216.3	2,010,947	434,968	2,134,234	461,635	26,667
Residential	126.7	772,705	97,902	207,029	26,231	-71,671
Parking	216.3	29,400	6,359	140,200	30,325	23,966
<b>Total Energy Consumption</b>			<b>2,063,920</b>		<b>3,028,352</b>	<b>964,432</b>
<b>Notes:</b>						
1. Based on rates provided in the <i>CEQR Technical Manual</i> , Table 15-1.						
2. RWCDs Totals for all projected development sites (refer to Table 1-X in Chapter 1, "Project Description")						
MBTUs = Thousand BTUs						

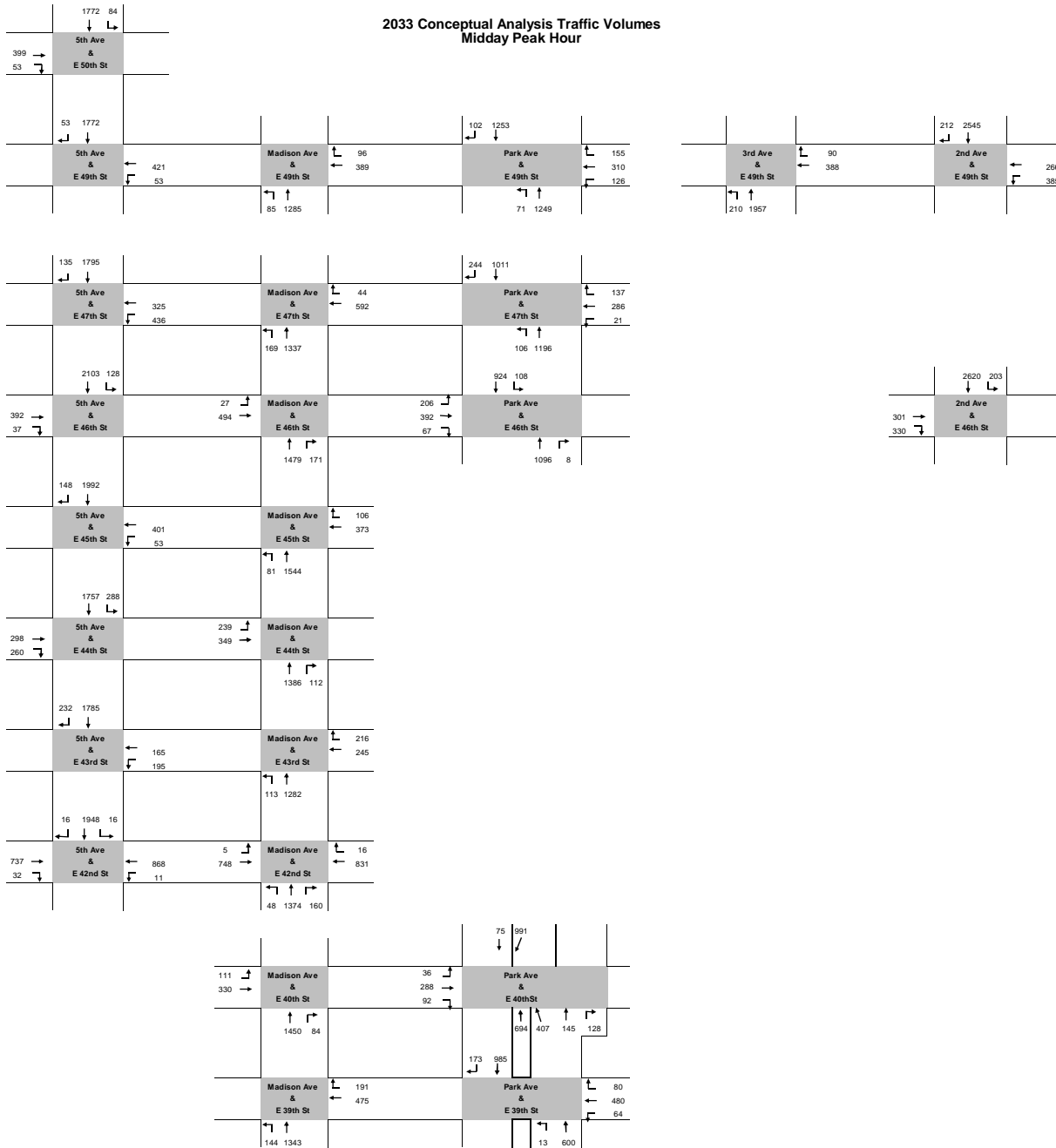




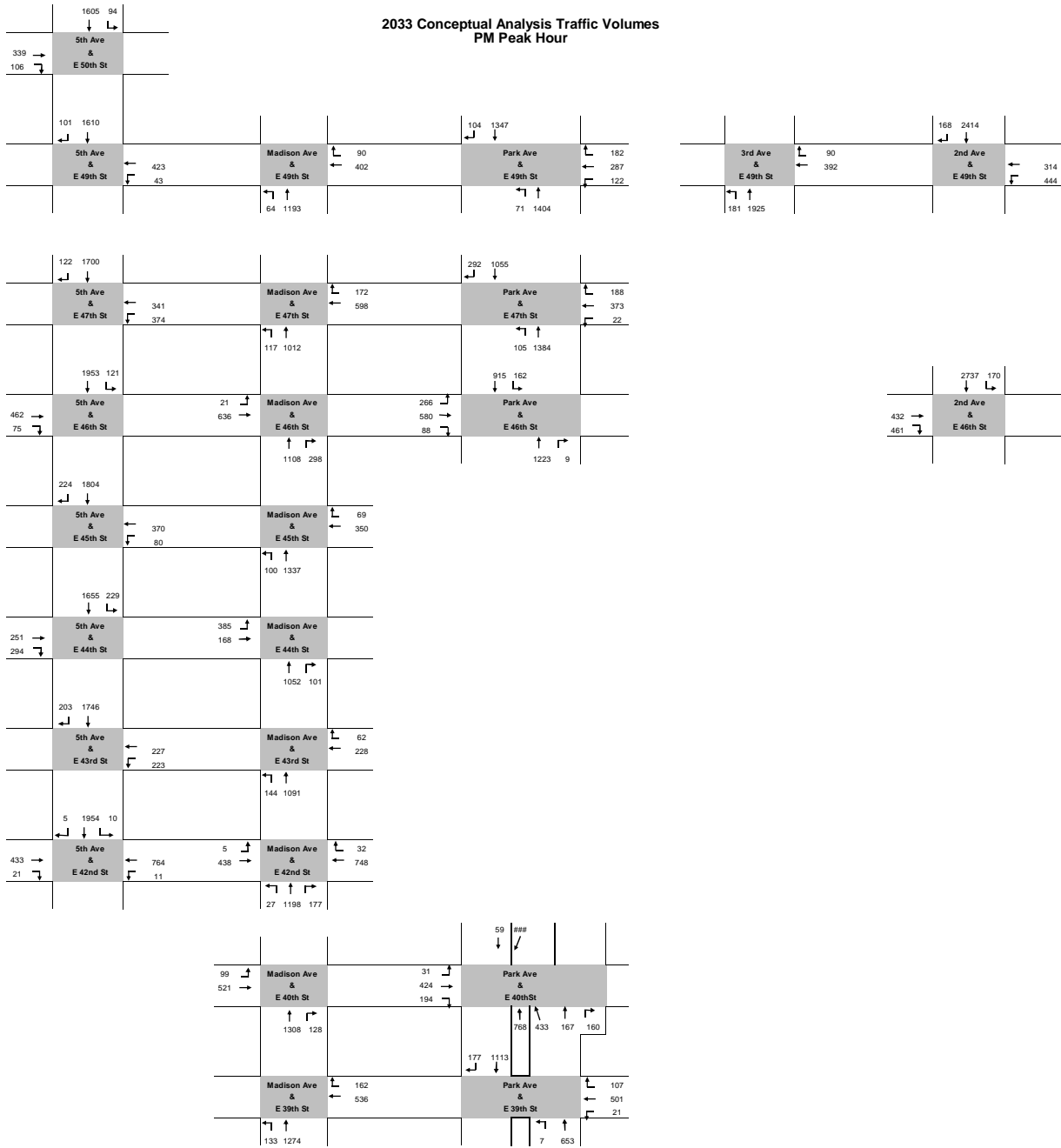
2033 Conceptual Analysis Traffic Volumes  
AM Peak Hour



2033 Conceptual Analysis Traffic Volumes  
Midday Peak Hour



2033 Conceptual Analysis Traffic Volumes  
PM Peak Hour





# East Midtown Rezoning and Related Actions FEIS

Level of Service Table - 2033 Special Permit Scenario (AM Peak Hour)

Signalized Intersection	Approach	2033 No-Action				Special Permit Scenario				Special Permit Scenario w/ Mitigation			
		Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS
Second Avenue @ East 46th Street	EB	T	0.43	28.2	C	T	0.49	29.4	C				
		R	1.16	138.6	F	R	1.16	140.2	F				
	SB	LT	0.91	14.5	B	LT	0.93	15.6	B				
	INTERSECTION			24.6	C			25.6	C				
Second Avenue @ East 49th Street	WB	L	1.14	126.4	F	L	1.19	146.2	F	L	1.13	122.2	F
		T	0.53	30.0	C	T	0.62	31.8	C	T	0.59	30.5	C
	SB	T	0.89	17.5	B	T	0.91	18.4	B	T	0.93	20.7	C
	INTERSECTION			13.3	B	R	0.53	14.1	B	R	0.54	15.1	B
Third Avenue @ East 49th Street	WB	T	0.75	24.6	C	T	0.87	33.1	C				
		R	0.61	44.7	D	R	0.61	44.7	D				
	NB	LT	0.90	30.5	C	LT	0.93	33.1	C				
	INTERSECTION			30.1	C			33.7	C			30.3	C
Park Avenue @ West 39th Street	WB	LTR	1.18	127.1	F	LTR	1.37	204.3	F	LTR	0.71	26.3	C
		L↑↑	-	41.0	D	L↑↑	-	41.1	D	L↑↑	-	41.6	D
	NB	LT	0.54	16.9	B	LT	0.55	17.0	B	LT	0.55	17.0	B
	INTERSECTION			37.8	D	TR	0.97	39.9	D	TR	0.97	39.9	D
Park Avenue @ West 40th Street	EB	LT	0.74	35.8	D	LT	0.81	41.0	D				
		R	0.74	42.0	D	R	0.78	45.7	D				
	NB	T (Tunnel Exit)	0.84	27.6	C	T (Tunnel Exit)	0.84	27.7	C				
		T (SR onto Viaduct)	0.60	17.6	B	T (SR onto Viaduct)	0.62	18.0	B				
SB	TR	0.52	16.7	B	TR	0.52	16.7	B					
Park Avenue @ West 46th Street	EB	T	0.08	10.5	B	T	0.08	10.4	B				
		T (Viaduct Exit)	1.14	95.5	F	T (Viaduct Exit)	1.14	95.9	F				
	INTERSECTION			48.4	D			49.2	D				
	Park Avenue @ West 47th Street	WB	LT	0.67	27.7	C	LT	0.75	31.5	C			
R			0.54	26.2	C	R	0.60	28.6	C				
NB		L↑↑	-	37.7	D	L↑↑	0.00	39.0	D				
INTERSECTION				44.1	D	T	0.99	46.0	D				
Park Avenue @ West 49th Street	WB	TR	0.84	26.6	C	TR	0.85	27.1	C				
		INTERSECTION			33.7	C			35.1	D			
	WB	LT	0.90	50.0	D	LT	1.10	98.0	F	LT	1.10	98.0	F
		R	0.34	21.5	C	R	0.39	22.6	C	R	0.39	22.6	C
NB	L↑↑	-	37.5	D	L↑↑	-	37.9	D	L↑↑	-	38.9	D	
INTERSECTION			39.2	D	T	0.98	42.2	D	T	0.98	42.2	D	
Madison Avenue @ East 39th Street	WB	TR	0.81	24.0	C	TR	0.83	24.7	C	TR	0.83	24.7	C
		INTERSECTION			33.0	C			41.2	D			41.2
	WB	T	0.98	60.4	E	T	1.03	73.8	E	T	0.95	52.0	D
		R	0.81	71.9	E	R	1.20	174.4	F	R	0.89	73.4	E
NB	LT	0.90	24.5	C	LT	0.94	28.1	C	L	0.36	16.8	B	
INTERSECTION			36.0	D			51.1	D	T	0.87	25.6	C	
Madison Avenue @ East 40th Street	EB	L	0.62	52.2	D	L	0.74	61.3	E	L	0.68	54.6	D
		T	0.87	43.7	D	T	0.93	52.7	D	T	0.91	47.4	D
	NB	TR	0.90	24.5	C	TR	0.97	33.0	C	TR	0.99	38.7	D
	INTERSECTION			29.9	C			38.7	D			41.4	D
Madison Avenue @ East 42nd Street	EB	LT	0.75	29.9	C	LT	0.76	30.4	C	LT	0.76	30.4	C
		T	0.93	41.5	D	T	0.95	44.4	D	T	0.95	44.4	D
	NB	R	0.14	19.3	B	R	0.14	19.3	B	R	0.14	19.3	B
	INTERSECTION			104.4	F	LT	1.31	161.3	F	LT	0.89	22.6	C
Madison Avenue @ East 43rd Street	WB	R	0.41	14.0	B	R	0.42	14.3	B	R	0.42	14.3	B
		INTERSECTION			65.5	E			94.6	F			29.9
	WB	T	0.46	23.4	C	T	0.24	19.7	B	T	0.25	21.2	C
		R	0.62	32.3	C	R	0.66	34.4	C	R	0.70	39.0	D
NB	L	0.49	17.7	B	L	0.93	58.5	E	L	0.86	43.6	D	
INTERSECTION			48.5	D	T	1.08	66.7	E	T	1.03	49.4	D	
			41.6	D			59.6	E			45.9	D	

East Midtown Rezoning and Related Actions FEIS

Signalized Intersection	Approach	2033 No-Action				Special Permit Scenario				Special Permit Scenario w/ Mitigation			
		Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS
Madison Avenue @ East 44th Street	EB	LT	0.80	40.9	D	LT	1.32	194.6	F	L	0.98	77.9	E
										T	0.33	21.2	C
	NB	T	1.15	93.8	F	T	1.17	104.6	F	T	1.17	104.6	F
		R	1.02	107.6	F	R	1.81	427.7	F	R	1.81	427.7	F
	INTERSECTION			85.8	F			150.2	F			121.5	F
Madison Avenue @ East 45th Street	WB	TR	0.68	27.1	C	TR	0.74	29.3	C	TR	0.84	38.3	D
		L	0.22	10.8	B	L	0.28	11.5	B	L	0.25	8.7	A
	NB	T	1.05	57.8	E	T	1.16	98.7	F	T	1.07	58.1	E
				46.7	D			74.8	E			49.9	D
	INTERSECTION												
Madison Avenue @ East 46th Street	EB	LT	1.09	96.6	F	LT	1.26	162.2	F	LT	0.69	30.3	C
		T	1.17	103.4	F	T	1.28	148.3	F	T	1.17	100.4	F
	NB	R	0.41	14.3	B	R	0.55	18.3	B	R	0.49	13.3	B
				95.3	F			141.0	F			75.5	E
	INTERSECTION												
Madison Avenue @ East 47th Street	WB	T	0.80	35.7	D	T	1.27	162.1	F	T	0.65	26.5	C
		R	0.46	42.3	D	R	0.35	38.8	D	R	0.44	45.3	D
	NB	L	0.53	22.2	C	L	0.74	36.9	D	L	0.37	12.5	B
		T	1.15	94.7	F	T	1.23	128.9	F	T	1.15	92.7	F
	INTERSECTION			76.0	E			129.7	F			67.7	E
Madison Avenue @ East 49th Street	WB	TR	0.54	23.5	C	TR	0.58	24.5	C	TR	0.63	27.0	C
		L	0.23	11.0	B	L	0.23	11.0	B	L	0.22	9.6	A
	NB	T	1.08	66.7	E	T	1.12	83.8	F	T	1.09	66.8	E
				53.2	D			65.0	E			53.7	D
	INTERSECTION												
Fifth Avenue @ 42nd Street	EB	T	0.64	25.5	C	T	0.64	25.6	C	T	0.64	25.6	C
		R	0.17	20.6	C	R	0.17	20.6	C	R	0.17	20.6	C
	WB	LT	1.01	58.6	E	LT	1.03	64.1	E	LT	1.03	64.1	E
		SB	LT	1.16	96.3	F	LT	1.20	113.3	F	LT	1.20	113.3
	NB	R	0.05	9.3	A	R	0.05	9.3	A	R	0.05	9.3	A
				74.9	E			86.6	F			86.6	F
	INTERSECTION												
Fifth Avenue @ 43rd Street	WB	L	0.60	30.5	C	L	0.42	24.4	C	L	0.42	24.4	C
		T	0.35	21.3	C	T	0.28	20.2	C	T	0.28	20.2	C
	SB	T	1.08	61.3	E	T	1.15	89.4	F	T	1.15	89.4	F
		R	1.36	204.7	F	R	1.72	364.5	F	R	1.72	364.5	F
	INTERSECTION			73.1	E			121.1	F			121.1	F
Fifth Avenue @ 44th Street	EB	T	0.33	21.1	C	T	0.49	24.3	C	T	0.49	24.3	C
		R	0.63	31.3	C	R	0.67	34.1	C	R	0.67	34.1	C
	SB	LT	1.27	143.4	F	LT	1.48	238.9	F	LT	1.48	238.9	F
				128.3	F			209.5	F			209.5	F
	INTERSECTION												
Fifth Avenue @ 45th Street	WB	LT	0.62	25.3	C	LT	0.71	28.6	C	LT	0.81	36.7	D
		T	1.11	74.4	E	T	1.21	117.2	F	T	1.11	72.0	E
	SB	R	0.46	14.9	B	R	0.74	25.5	C	R	0.67	18.1	B
				61.3	E			93.1	F			60.8	E
	INTERSECTION												
Fifth Avenue @ 46th Street	EB	TR	1.21	144.0	F	TR	1.30	180.5	F	TR	0.63	26.0	C
		SB	LT	1.27	140.9	F	LT	1.51	253.5	F	LT	1.47	233.2
	INTERSECTION			141.4	F			242.3	F			201.4	F
Fifth Avenue @ 47th Street	WB	L	0.73	52.9	D	L	1.78	404.5	F	L	1.78	404.5	F
		T	0.65	26.3	C	T	0.70	28.4	C	T	0.70	28.4	C
	SB	T	1.23	128.4	F	T	1.31	165.9	F	T	1.31	165.9	F
		R	0.78	41.7	D	R	0.78	41.7	D	R	0.78	41.7	D
	INTERSECTION			106.6	F			174.8	F			174.8	F
Fifth Avenue @ 49th Street	WB	LT	0.46	21.9	C	LT	0.52	22.9	C	LT	0.56	25.0	C
		T	1.07	59.7	E	T	1.13	80.9	F	T	1.08	60.1	E
	SB	R	0.37	13.5	B	R	0.37	13.5	B	R	0.35	11.8	B
				50.8	D			67.0	E			51.4	D
	INTERSECTION												
Fifth Avenue @ 50th Street	EB	TR	0.44	21.8	C	TR	0.46	22.1	C	TR	0.48	23.9	C
		SB	LT	1.15	89.5	F	LT	1.20	113.2	F	LT	1.15	89.6
	INTERSECTION			79.3	E			99.6	F			79.8	E

Notes:

11 To mimic actual conditions for NB/SB left turning vehicles on Park Avenue, the sum of two delays were accounted for: (1) delay from making the left turn; and (2) delay from waiting at the red light after the left turn. Shading denotes locations with no significant adverse impacts.

Source: Parsons Brinckerhoff, Inc. 2013

# East Midtown Rezoning and Related Actions FEIS

Level of Service Table - 2033 Special Permit Scenario (Midday Peak Hour)

Signalized Intersection	Approach	2033 No-Action				Special Permit Scenario				Special Permit Scenario w/ Mitigation			
		Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS
Second Avenue @ East 46th Street	EB	T	0.57	31.6	C	T	0.66	34.3	C	T	0.61	31.1	C
		R	1.17	141.4	F	R	1.26	176.0	F	R	1.17	136.2	F
	SB	LT	0.80	10.5	B	LT	0.81	10.7	B	LT	0.84	13.1	B
		INTERSECTION			23.8	C			28.2	C			26.1
Second Avenue @ East 49th Street	WB	LT	1.03	77.0	E	LT	1.08	91.3	F	LT	1.03	75.8	E
		INTERSECTION											
	SB	TR	0.87	16.7	B	TR	0.90	17.7	B	TR	0.91	19.7	B
		INTERSECTION			28.0	C			31.8	C			30.4
Third Avenue @ East 49th Street	WB	T	0.54	17.8	B	T	0.59	19.2	B				
		R	0.42	37.7	D	R	0.42	37.7	D				
	NB	LT	0.94	34.0	C	LT	0.97	38.6	D				
		INTERSECTION			31.9	C			35.7	D			
Park Avenue @ West 39th Street	WB	LTR	1.30	177.5	F	LTR	1.36	200.5	F	LTR	0.70	27.5	C
		NB	L↑↑	-	39.6	D	L↑↑	-	39.6	D	L↑↑	-	39.6
	SB	LT	0.44	15.4	B	LT	0.44	15.4	B	LT	0.44	15.4	B
		INTERSECTION			62.9	E			70.7	E			25.9
Park Avenue @ West 40th Street	EB	LT	0.68	32.4	C	LT	0.74	35.8	D	LT	0.77	38.3	D
		R	0.31	24.1	C	R	0.37	25.5	C	R	0.38	26.7	C
	NB	T (Tunnel Exit)	0.88	31.8	C	T (Tunnel Exit)	0.88	31.8	C	T (Tunnel Exit)	0.87	29.2	C
		T (SR onto Viaduct)	0.50	15.4	B	T (SR onto Viaduct)	0.50	15.4	B	T (SR onto Viaduct)	0.49	14.6	B
	SB	TR	0.44	15.0	B	TR	0.44	15.0	B	TR	0.43	14.2	B
		T	0.08	10.4	B	T	0.08	10.4	B	T	0.08	9.9	A
	INTERSECTION	T (Viaduct Exit)	1.13	90.8	F	T (Viaduct Exit)	1.14	97.2	F	T (Viaduct Exit)	1.12	87.4	F
					47.7	D			50.2	D			46.3
Park Avenue @ West 46th Street	EB	LT	0.48	19.8	B	LT	0.59	21.7	C				
		R	0.19	16.9	B	R	0.21	17.3	B				
	SB	TR	0.77	25.0	C	TR	0.77	25.2	C				
		INTERSECTION			24.2	C			24.7	C			
Park Avenue @ West 47th Street	WB	LT	0.52	23.0	C	LT	0.62	26.0	C				
		R	0.38	21.6	C	R	0.50	25.1	C				
	NB	L↑↑	-	38.8	D	L↑↑	-	39.4	D				
		T	0.93	36.7	D	T	0.96	39.9	D				
	INTERSECTION	TR	0.75	23.4	C	TR	0.76	23.7	C				
Park Avenue @ West 49th Street	WB	LT	0.96	59.5	E	LT	1.04	81.6	F	LT	1.04	81.6	F
		R	0.42	23.2	C	R	0.39	22.6	C	R	0.39	22.6	C
	NB	L↑↑	-	37.9	D	L↑↑	-	37.9	D	L↑↑	-	37.9	D
		T	0.91	32.5	C	T	0.95	36.6	D	T	0.95	36.6	D
	INTERSECTION	TR	0.73	21.2	C	TR	0.74	21.4	C	TR	0.74	21.4	C
Madison Avenue @ East 39th Street	WB	T	0.85	39.7	D	T	0.88	43.2	D	T	0.89	42.9	D
		R	1.05	121.9	F	R	1.18	162.4	F	R	1.06	119.4	F
	NB	LT	0.86	21.6	C	LT	0.88	22.6	C	L	0.46	17.2	B
		INTERSECTION			33.8	C			39.6	D			32.1
Madison Avenue @ East 40th Street	EB	L	0.55	46.7	D	L	0.60	49.0	D				
		T	0.59	26.2	C	T	0.67	29.0	C				
	INTERSECTION	TR	0.84	20.2	C	TR	0.86	21.5	C				
Madison Avenue @ East 42nd Street	EB	LT	0.85	35.0	C	LT	0.86	35.2	D	LT	0.86	35.3	D
		WB	T	0.84	33.2	C	T	0.85	34.0	C	T	0.85	34.0
	NB	R	0.08	18.0	B	R	0.08	18.1	B	R	0.08	18.1	B
		LT	1.10	74.5	E	LT	1.15	94.0	F	LT	0.78	17.4	B
	INTERSECTION	R	0.41	13.9	B	R	0.43	14.5	B	R	0.43	14.5	B
Madison Avenue @ East 43rd Street	WB	T	0.54	25.4	C	T	0.53	25.1	C	T	0.53	25.1	C
		R	0.72	37.6	D	R	0.81	46.8	D	R	0.81	46.8	D
	NB	L	0.43	17.0	B	L	0.71	35.6	D	L	0.71	35.6	D
		INTERSECTION	T	0.97	34.8	C	T	1.00	41.6	D	T	1.00	41.6
			32.8	C			39.5	D			39.6	D	

East Midtown Rezoning and Related Actions FEIS

Signalized Intersection	Approach	2033 No-Action				Special Permit Scenario				Special Permit Scenario w/ Mitigation			
		Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS
Madison Avenue @ East 44th Street	EB	LT	0.97	64.5	E	LT	1.66	336.0	F	L	1.02	92.1	F
										T	0.86	46.6	D
	NB	T	1.08	65.5	E	T	1.13	86.5	F	T	1.04	49.0	D
		R	0.83	51.9	D	R	1.15	150.4	F	R	0.89	66.5	E
	INTERSECTION			64.3	E			160.2	F			54.5	D
Madison Avenue @ East 45th Street	WB	TR	0.53	23.4	C	TR	0.57	24.3	C	TR	0.64	28.4	C
		L	0.18	10.4	B	L	0.21	10.8	B	L	0.19	8.3	A
	NB	T	1.02	47.0	D	T	1.18	106.5	F	T	1.10	68.2	E
													56.8
	INTERSECTION			39.8	D			84.1	F			56.8	E
Madison Avenue @ East 46th Street	EB	LT	0.91	48.8	D	LT	1.08	91.1	F	LT	0.58	26.1	C
		T	1.14	90.5	F	T	1.23	127.8	F	T	1.15	92.8	F
	NB	R	0.20	10.9	B	R	0.28	11.2	B	R	0.27	9.1	A
													70.2
	INTERSECTION			77.9	E			109.8	F			70.2	E
Madison Avenue @ East 47th Street	WB	T	0.92	48.7	D	T	1.22	143.9	F	T	0.58	22.8	C
		R	0.22	35.8	D	R	0.24	36.4	D	R	0.24	36.2	D
	NB	L	0.52	24.9	C	L	1.82	428.0	F	L	0.56	20.4	C
		T	1.06	62.1	E	T	1.07	65.5	E	T	1.07	65.5	E
	INTERSECTION			56.9	E			115.2	F			49.6	D
Madison Avenue @ East 49th Street	WB	TR	0.51	22.9	C	TR	0.46	21.9	C				
		L	0.22	11.0	B	L	0.22	11.0	B				
	NB	T	0.96	33.0	C	T	0.99	38.7	D				
	INTERSECTION			29.4	C			33.1	C				
Fifth Avenue @ 42nd Street	EB	T	0.73	27.8	C	T	0.73	27.9	C				
		R	0.24	22.6	C	R	0.24	22.6	C				
	WB	LT	1.00	57.5	E	LT	1.01	60.9	E				
		SB	0.98	32.4	C	LT	1.00	37.8	D				
	SB	R	0.06	9.2	A	R	0.06	9.2	A				
	INTERSECTION			37.4	D			41.1	D				
Fifth Avenue @ 43rd Street	WB	L	0.62	30.4	C	L	0.61	30.2	C	L	0.71	39.6	D
		T	0.29	20.3	C	T	0.34	21.2	C	T	0.38	24.7	C
	SB	T	0.88	21.4	C	T	0.91	23.4	C	T	0.84	15.8	B
		R	1.33	199.2	F	R	1.64	337.0	F	R	1.30	181.6	F
	INTERSECTION			39.8	D			54.4	D			34.5	C
Fifth Avenue @ 44th Street	EB	T	0.55	25.5	C	T	0.61	27.3	C	T	0.61	27.3	C
		R	0.90	56.3	E	R	0.95	68.6	E	R	0.95	68.6	E
	SB	LT	1.00	37.0	D	LT	1.22	119.5	F	LT	1.22	119.5	F
													103.8
	INTERSECTION			37.9	D			103.8	F			103.8	F
Fifth Avenue @ 45th Street	WB	LT	0.44	21.6	C	LT	0.47	22.2	C	LT	0.49	23.1	C
		T	0.91	23.5	C	T	1.03	45.5	D	T	1.01	38.2	D
	SB	R	0.32	12.6	B	R	0.44	14.9	B	R	0.42	13.8	B
													34.2
	INTERSECTION			22.6	C			39.7	D			34.2	C
Fifth Avenue @ 46th Street	EB	TR	0.86	43.4	D	TR	0.97	62.4	E	TR	0.47	22.2	C
		LT	1.04	49.7	D	LT	1.21	117.2	F	LT	1.19	106.0	F
	INTERSECTION			48.7	D			108.3	F			92.5	F
Fifth Avenue @ 47th Street	WB	L	0.93	79.0	E	L	1.87	445.7	F	L	1.87	445.7	F
		T	0.61	24.8	C	T	0.66	26.5	C	T	0.66	26.5	C
	SB	T	0.98	36.6	D	T	1.02	47.2	D	T	1.02	47.2	D
		R	1.16	152.5	F	R	1.16	152.5	F	R	1.16	152.5	F
	INTERSECTION			45.6	D			114.6	F			114.6	F
Fifth Avenue @ 49th Street	WB	LT	0.43	21.4	C	LT	0.44	21.6	C				
		T	0.88	21.4	C	T	0.91	23.6	C				
	SB	R	0.20	11.3	B	R	0.20	11.3	B				
	INTERSECTION			21.2	C			22.9	C				
Fifth Avenue @ 50th Street	EB	TR	0.46	22.0	C	TR	0.48	22.3	C				
		LT	0.94	26.4	C	LT	0.97	31.2	C				
	INTERSECTION			25.6	C			29.4	C				

Note:

1) To mimic actual conditions for NB/SB left turning vehicles on Park Avenue, the sum of two delays were accounted for: (1) delay from making the left turn; and (2) delay from waiting at the red light after the left turn. Shading denotes locations with no significant adverse impacts. Source: Parsons Brinckerhoff, Inc. 2013



# East Midtown Rezoning and Related Actions FEIS

Level of Service Table - 2033 Special Permit Scenario (PM Peak Hour)

Signalized Intersection	Approach	2033 No-Action				Special Permit Scenario				Special Permit Scenario w/ Mitigation			
		Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS
Second Avenue @ East 46th Street	EB	T	0.71	36.8	D	T	0.94	59.9	E	T	0.82	40.0	D
		R	1.23	157.7	F	R	1.41	230.8	F	R	1.22	147.8	F
	SB	LT	0.80	10.5	B	LT	0.82	10.9	B	LT	0.88	16.2	B
	INTERSECTION			29.0	C			42.4	D			34.4	C
Second Avenue @ East 49th Street	WB	L	1.18	135.9	F	L	1.21	150.1	F	L	1.17	131.2	F
		T	0.41	28.0	C	T	0.42	28.2	C	T	0.40	27.2	C
	SB	T	0.71	12.5	B	T	0.72	12.7	B	T	0.74	13.7	B
	INTERSECTION			10.8	B			11.5	B			12.4	B
Third Avenue @ East 49th Street	WB	T	0.60	19.5	B	T	0.64	20.9	C				
		R	0.40	37.0	D	R	0.40	37.0	D				
	NB	LT	0.72	23.5	C	LT	0.74	24.0	C				
	INTERSECTION			23.4	C			24.0	C			30.5	C
Park Avenue @ West 39th Street	WB	LTR	1.18	124.6	F	LTR	1.21	139.1	F	LTR	0.65	25.0	C
		L††	-	40.0	D	L††	-	39.9	D	L††	-	39.7	D
	SB	LT	0.47	15.9	B	LT	0.47	15.8	B	LT	0.46	15.1	B
	INTERSECTION			33.9	C			50.9	D			44.3	D
Park Avenue @ West 40th Street	EB	LT	0.81	39.8	D	LT	0.97	62.6	E	LT	0.97	62.6	E
		R	0.53	29.9	C	R	0.72	40.1	D	R	0.72	40.1	D
	NB	T (Tunnel Exit)	0.98	46.7	D	T (Tunnel Exit)	0.98	46.7	D	T (Tunnel Exit)	0.98	46.7	D
		T (SR onto Viaduct)	0.53	16.1	B	T (SR onto Viaduct)	0.53	16.0	B	T (SR onto Viaduct)	0.53	16.0	B
SB	TR	0.55	17.5	B	TR	0.56	17.5	B	TR	0.56	17.5	B	
	T (Viaduct Exit)	1.14	96.3	F	T (Viaduct Exit)	1.20	118.9	F	T (Viaduct Exit)	1.20	118.9	F	
Park Avenue @ West 46th Street	EB	LT	0.58	21.5	C	LT	0.81	28.5	C				
		R	0.26	18.4	B	R	0.32	19.6	B				
	SB	LT	0.85	28.3	C	TR	0.86	29.4	C				
	INTERSECTION			40.9	D			41.3	D				
Park Avenue @ West 47th Street	WB	LT	0.64	26.2	C	LT	0.74	30.5	C	LT	0.78	34.7	C
		R	0.52	25.0	C	R	0.61	28.7	C	R	0.65	32.3	C
	SB	L††	-	38.0	D	L††	-	39.0	D	L††	-	39.1	D
	INTERSECTION			59.7	E			79.3	E			59.8	E
Park Avenue @ West 49th Street	WB	LT	0.92	51.4	D	LT	0.97	61.4	E	LT	0.97	61.4	E
		R	0.50	25.3	C	R	0.55	26.9	C	R	0.55	26.9	C
	SB	L††	-	37.7	D	L††	-	37.9	D	L††	-	37.9	D
	INTERSECTION			47.9	D			62.5	E			62.5	E
Madison Avenue @ East 39th Street	WB	T	0.91	46.0	D	T	0.98	59.3	E	T	0.93	47.2	D
		R	0.81	68.0	E	R	0.94	91.9	F	R	0.74	54.5	D
	SB	LT	0.60	14.1	B	LT	0.61	14.3	B	L	0.36	15.9	B
	INTERSECTION			14.1	B			14.3	B			20.4	C
Madison Avenue @ East 40th Street	EB	L	0.45	42.2	D	L	0.51	44.2	D	L	0.39	36.1	D
		T	0.78	34.4	C	T	1.01	69.5	E	T	0.91	44.0	D
	SB	TR	0.63	14.6	B	TR	0.66	15.1	B	TR	0.73	19.6	B
	INTERSECTION			20.2	C			30.3	C			26.6	C
Madison Avenue @ East 42nd Street	EB	LT	0.48	22.3	C	LT	0.48	22.3	C				
		T	0.75	28.8	C	T	0.76	29.3	C				
	SB	R	0.16	19.5	B	R	0.16	19.5	B				
	INTERSECTION			27.7	C			35.4	D				
Madison Avenue @ East 43rd Street	WB	T	0.37	21.7	C	T	0.47	23.5	C				
		R	0.27	21.2	C	R	0.24	20.6	C				
	SB	L	0.61	23.7	C	L	0.77	38.4	D				
	INTERSECTION			22.4	C			25.8	C				

East Midtown Rezoning and Related Actions FEIS

Signalized Intersection	Approach	2033 No-Action				Special Permit Scenario				Special Permit Scenario w/ Mitigation			
		Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS	Movt.	V/C Ratio	Delay Sec/Veh	LOS
Madison Avenue @ East 44th Street	EB	LT	1.11	110.0	F	LT	1.97	474.3	F	L	1.48	261.3	F
		T				T				T	0.38	22.0	C
	NB	T	0.84	21.5	C	T	0.87	23.3	C	T	0.87	23.3	C
		R	1.53	320.7	F	R	1.66	376.8	F	R	1.66	376.8	F
	INTERSECTION			62.0	E			190.4	F			97.8	F
Madison Avenue @ East 45th Street	WB	TR	0.46	22.1	C	TR	0.46	22.1	C	TR	0.49	24.0	C
		L	0.20	10.6	B	L	0.23	11.0	B	L	0.22	9.6	A
	NB	T	0.92	27.4	C	T	1.06	60.8	E	T	1.02	44.6	D
					25.2	C			49.4	D			38.0
	INTERSECTION												
Madison Avenue @ East 46th Street	EB	LT	0.88	44.0	D	LT	1.30	176.4	F	LT	0.62	24.7	C
		T	0.89	25.2	C	T	0.91	26.4	C	T	0.83	20.5	C
	NB	R	0.80	46.6	D	R	1.86	430.4	F	R	1.75	383.9	F
					31.8	C			132.6	F			74.4
	INTERSECTION												
Madison Avenue @ East 47th Street	WB	T	0.78	34.3	C	T	1.21	138.7	F	T	0.53	19.9	B
		R	0.58	46.8	D	R	0.88	74.7	E	R	0.71	49.6	D
	NB	L	0.51	22.9	C	L	0.74	40.6	D	L	0.38	17.4	B
		T	0.89	26.6	C	T	0.87	25.7	C	T	0.94	35.7	D
	INTERSECTION			29.7	C			66.6	E			30.9	C
Madison Avenue @ East 49th Street	WB	TR	0.49	22.5	C	TR	0.47	24.5	C				
		L	0.16	10.3	B	L	0.15	7.7	A				
	NB	T	0.90	26.2	C	T	0.89	21.3	C				
					24.6	C			21.7	C			
	INTERSECTION												
Fifth Avenue @ 42nd Street	EB	T	0.43	21.5	C	T	0.44	21.6	C	T	0.45	22.4	C
		R	0.16	20.5	C	R	0.16	20.5	C	R	0.17	21.3	C
	WB	LT	0.84	33.5	C	LT	0.85	34.4	C	LT	0.87	37.2	D
		SB	LT	0.99	34.7	C	LT	1.04	48.3	D	LT	1.02	40.6
	NB	R	0.03	9.1	A	R	0.03	9.1	A	R	0.03	8.5	A
					32.4	C			41.1	D			37.1
	INTERSECTION												
Fifth Avenue @ 43rd Street	WB	L	0.59	30.0	C	L	0.79	42.7	D				
		T	0.29	20.3	C	T	0.45	23.1	C				
	SB	T	0.91	23.6	C	T	0.93	25.9	C				
		R	1.33	200.7	F	R	1.32	198.2	F				
	INTERSECTION			40.1	D			41.8	D				
Fifth Avenue @ 44th Street	EB	T	0.44	23.0	C	T	0.52	24.7	C	T	0.52	24.7	C
		R	1.10	109.8	F	R	1.17	138.7	F	R	1.17	138.7	F
	SB	LT	1.01	40.6	D	LT	1.14	87.6	F	LT	1.14	87.6	F
					47.7	D			87.3	F			87.3
	INTERSECTION												
Fifth Avenue @ 45th Street	WB	LT	0.46	21.9	C	LT	0.46	22.0	C				
		T	0.90	22.8	C	T	0.97	31.8	C				
	SB	R	0.38	14.1	B	R	0.74	28.2	C				
					22.2	C			29.7	C			
	INTERSECTION												
Fifth Avenue @ 46th Street	EB	TR	1.00	68.8	E	TR	1.21	139.4	F	TR	0.58	24.3	C
	SB	LT	1.00	37.0	D	LT	1.17	100.9	F	LT	1.15	90.2	F
				43.3	D			108.8	F			76.6	E
Fifth Avenue @ 47th Street	WB	L	0.76	56.0	E	L	1.64	344.3	F	L	1.64	344.3	F
		T	0.57	23.4	C	T	0.64	25.7	C	T	0.64	25.7	C
	SB	T	0.96	33.7	C	T	1.01	45.2	D	T	1.01	45.2	D
		R	1.05	115.6	F	R	1.07	121.5	F	R	1.07	121.5	F
	INTERSECTION			38.6	D			90.3	F			90.3	F
Fifth Avenue @ 49th Street	WB	LT	0.40	20.9	C	LT	0.43	21.4	C				
		T	0.84	19.5	B	T	0.87	20.8	C				
	SB	R	0.42	16.1	B	R	0.42	16.1	B				
					19.7	B			20.7	C			
	INTERSECTION												
Fifth Avenue @ 50th Street	EB	TR	0.47	22.3	C	TR	0.51	22.9	C				
		LT	0.90	22.9	C	LT	0.93	25.2	C				
				22.8	C			24.7	C				

Note:

11 To mimic actual conditions for NB/SB left turning vehicles on Park Avenue, the sum of two delays were accounted for: (1) delay from making the left turn; and (2) delay from waiting at the red light after the left turn. Shading denotes locations with no significant adverse impacts.

Source: Parsons Brinckerhoff, Inc. 2013

**Weekday Hourly Net Parking Accumulation for Special Permit Scenario**

Time Period	Land Use				Total
	Office	Residential	Destination Retail	Hotel	
12:00 AM - 1:00 AM	0	-119	0	12	-107
1:00 AM - 2:00 AM	0	-119	0	12	-107
2:00 AM - 3:00 AM	0	-119	0	12	-107
3:00 AM - 4:00 AM	0	-119	0	12	-107
4:00 AM - 5:00 AM	0	-119	0	12	-107
5:00 AM - 6:00 AM	0	-119	0	12	-107
6:00 AM - 7:00 AM	0	-118	0	11	-107
7:00 AM - 8:00 AM	35	-111	0	8	-68
8:00 AM - 9:00 AM	469	-94	0	6	381
9:00 AM - 10:00 AM	804	-85	0	5	724
10:00 AM - 11:00 AM	774	-82	5	4	701
11:00 AM - 12:00 PM	756	-82	9	4	687
12:00 PM - 1:00 PM	748	-82	11	5	682
1:00 PM - 2:00 PM	776	-82	12	5	711
2:00 PM - 3:00 PM	837	-82	12	4	771
3:00 PM - 4:00 PM	832	-85	11	3	761
4:00 PM - 5:00 PM	587	-93	11	4	509
5:00 PM - 6:00 PM	95	-104	10	9	10
6:00 PM - 7:00 PM	24	-114	10	10	-70
7:00 PM - 8:00 PM	2	-120	12	11	-95
8:00 PM - 9:00 PM	0	-123	9	12	-102
9:00 PM - 10:00 PM	0	-119	0	12	-107
10:00 PM - 11:00 PM	0	-119	0	12	-107
11:00 PM - 12:00 AM	0	-119	0	12	-107

**Note:** Midday peak period is noon to 2:00 p.m.

**Source:** Parsons Brinckerhoff, Inc., 2013



Special Permit Scenario Subway Stair Analysis  
at the Fifth Avenue (7) Station

Peak Period	Stairway	Width (ft.)	Effective Width (ft.)	No-Action						S.P.S. Increment		Special Permit Scenario					
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS
				Down	Up					Down	Up	Down	Up				
AM	S1	12.33	11.08	48	773	0.8	0.9	0.68	B	2	351	50	1124	0.8	1.0	0.88	C
	M1/M2	11.33	10.08	48	773	0.8	0.9	0.75	C	2	351	50	1124	0.8	1.0	0.96	C
	P2	8.25	7.00	16	171	0.75	0.9	0.26	A	1	62	17	233	0.75	0.9	0.35	A
	P3	8.00	6.75	22	164	0.75	0.9	0.26	A	1	61	23	225	0.75	0.9	0.35	A
PM	S1	12.33	10.08	605	194	0.8	0.9	0.62	B	404	7	1009	201	0.8	0.9	0.93	C
	M1/M2	11.33	10.08	605	194	0.8	0.9	0.62	B	404	7	1009	201	0.8	0.9	0.93	C
	P2	8.25	7.00	147	122	0.75	0.9	0.33	A	70	2	217	124	0.75	0.9	0.40	A
	P3	8.00	6.75	174	82	0.75	0.9	0.31	A	71	2	245	84	0.75	0.9	0.39	A

**Notes:**

Methodology based on 2012 CEQR Technical Manual guidelines.

Decreases in demand from Existing to No-Action reflect changes in subway ridership patterns due to completion of the Second Avenue subway and other MTA capital improvements.

Special Permit Scenario Subway Fare Array Analysis  
at the Fifth Avenue (7) Station

Peak Period	Fare Array	Control Element	Quantity	No-Action						S.P.S. Increment		Special Permit Scenario					
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS
				In	Out					In	Out	In	Out				
AM	R501	Two-way Turnstile	8	48	773	0.8	0.9	0.22	A	2	351	50	1124	0.8	1.0	0.29	A
PM	R501	Two-way Turnstile	8	605	194	0.8	0.9	0.25	A	404	7	1009	201	0.8	0.9	0.39	A

**Notes:**  
 Methodology based on 2012 CEQR Technical Manual guidelines.  
 Decreases in demand from Existing to No-Action reflect changes in subway ridership patterns due to completion of the Second Avenue subway and other MTA capital improvements.

Special Permit Scenario Subway Stair Analysis  
at the 42nd Street - Bryant Park (B,D,F,M) Station

Peak Period	Fare Control Area	Stairway	Width (ft.)	Effective Width (ft.)	No-Action					S.P.S. Increment		Special Permit Scenario								
					15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	WIT (in.)	WIT for Significant Impact (in.)		
					Down	Up					Down	Up								
AM	N504	S5	4.92	3.92	51	825	0.9	0.9	1.83	F	1	23	52	848	0.9	0.9	1.88	F	1.29	2
		M6	8.50	7.50	51	825	0.9	0.9	0.96	C	1	23	52	848	0.9	0.9	0.98	C	-	-
		S6	5.00	4.00	16	414	0.9	1.0	0.79	C	0	0	16	414	0.9	1.0	0.79	C	-	-
		M7/M8	8.50	7.50	16	414	0.9	1.0	0.42	A	0	0	16	414	0.9	1.0	0.42	A	-	-
		P1	6.75	5.75	17	337	0.75	1.0	0.54	B	0	4	17	341	0.75	1.0	0.55	B	-	-
		P2	6.75	5.75	19	582	0.75	1.0	0.92	C	0	7	19	589	0.75	1.0	0.93	C	-	-
		P3	6.67	5.67	21	512	0.75	1.0	0.83	C	1	5	22	517	0.75	1.0	0.84	C	-	-
	P4	6.67	5.67	39	578	0.75	0.9	1.06	D	0	8	39	586	0.75	0.9	1.07	D	0.88	8	
	N502	MB20	10.00	8.75	21	707	0.9	1.0	0.61	B	0	21	21	728	0.9	1.0	0.63	B	-	-
		P13	10.00	8.75	27	387	0.75	0.9	0.46	B	0	8	27	395	0.75	0.9	0.47	B	-	-
P14		10.00	8.75	24	856	0.75	1.0	0.89	C	0	13	24	869	0.75	1.0	0.90	C	-	-	
PM	N504	S5	4.92	3.92	793	107	0.9	0.9	1.72	F	27	2	820	109	0.9	0.9	1.78	F	1.51	2
		M6	8.50	7.50	793	107	0.9	0.9	0.90	C	27	2	820	109	0.9	0.9	0.93	C	-	-
		S6	5.00	4.00	242	68	0.9	0.9	0.59	B	0	0	242	68	0.9	0.9	0.59	B	-	-
		M7/M8	8.50	7.50	242	68	0.9	0.9	0.31	A	0	0	242	68	0.9	0.9	0.31	A	-	-
		P1	6.75	5.75	274	158	0.75	0.9	0.62	B	7	0	281	158	0.75	0.9	0.63	B	-	-
		P2	6.75	5.75	157	43	0.75	0.9	0.28	A	3	0	160	43	0.75	0.9	0.28	A	-	-
		P3	6.67	5.67	592	142	0.75	0.9	1.02	D	11	1	603	143	0.75	0.9	1.04	D	1.11	8
	P4	6.67	5.67	457	71	0.75	0.9	0.72	C	7	1	464	72	0.75	0.9	0.73	C	-	-	
	N502	MB20	10.00	8.75	595	70	0.9	0.9	0.57	B	22	-1	617	69	0.9	0.9	0.59	B	-	-
		P13	10.00	8.75	672	66	0.75	0.9	0.64	B	14	-1	686	66	0.75	0.9	0.66	B	-	-
P14		10.00	8.75	342	111	0.75	0.9	0.41	A	9	-1	351	110	0.75	0.9	0.42	A	-	-	

Notes:  
Methodology based on 2012 CEQR Technical Manual guidelines.

Special Permit Scenario Subway Fare Array Analysis  
at the 42nd Street - Bryant Park (B,D,F,M) Station

Peak Period	Fare Array	Control Element	Quantity	No-Action					S.P.S. Increment		Special Permit Scenario						
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS		
				In	Out					In	Out						
AM	N502	Two-way Turnstile	5	56	1327	0.9	1.0	0.33	A	0	21	56	1348	0.9	1.0	0.33	A
		High Entry/Exit Turnstile	1														
		High Exit Turnstile	2														
	N504	Two-way Turnstile	6	65	2581	0.9	1.0	0.54	B	1	23	66	2604	0.9	1.0	0.55	B
		High Entry/Exit Turnstile	3														
		High Exit Turnstile	0														
PM	N502	Two-way Turnstile	5	977	190	0.9	0.9	0.51	B	22	-1	999	189	0.9	0.9	0.52	B
		High Entry/Exit Turnstile	1														
		High Exit Turnstile	2														
	N504	Two-way Turnstile	6	2006	189	0.9	0.9	0.72	C	27	2	2033	191	0.9	0.9	0.73	C
		High Entry/Exit Turnstile	3														
		High Exit Turnstile	0														

**Notes:**  
Methodology based on 2012 CEQR Technical Manual guidelines



Special Permit Scenario Subway Stair Analysis  
at the 47-50th Street - Rockefeller Center (B,D,F,M) Station

Peak Period	Stairway	Width (ft.)	Effective Width (ft.)	No-Action						S.P.S. Increment		Special Permit Scenario							
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	WIT (in.)	WIT for Significant Impact (in.)
				Down	Up					Down	Up	Down	Up						
AM	S1	5.00	4.00	24	568	0.9	1.0	1.09	D	-1	41	23	609	0.9	1.0	1.17	D	3.24	7
	S6	5.00	4.00	21	371	0.9	0.9	0.80	C	1	66	22	437	0.9	1.0	0.85	C	-	-
	M1	12.00	10.75	45	939	0.9	1.0	0.67	B	0	107	45	1046	0.9	1.0	0.75	C	-	-
	S3	4.33	3.33	18	593	0.9	1.0	1.35	E	0	2	18	595	0.9	1.0	1.36	E	0.13	5
	M3	11.92	10.67	18	593	0.9	1.0	0.42	A	0	2	18	595	0.9	1.0	0.42	A	-	-
	P1	6.67	5.67	14	1483	0.75	1.0	2.34	F	1	45	15	1528	0.75	1.0	2.41	F	2.09*	2
	P2	6.67	5.67	303	994	0.75	0.9	2.13	F	-1	13	303	1007	0.75	0.9	2.15	F	0.68	2
	P3	8.83	7.58	13	1258	0.75	1.0	1.49	E	1	38	14	1296	0.75	1.0	1.53	E	2.79	3
P4	8.83	7.58	449	789	0.75	0.9	1.47	E	-1	13	449	802	0.75	0.9	1.48	E	0.96	4	
PM	S1	5.00	4.00	635	31	0.9	1.0	1.12	D	47	-1	682	30	0.9	1.0	1.19	D	3.32	7
	S6	5.00	4.00	363	23	0.9	0.9	0.72	C	77	2	440	25	0.9	0.9	0.87	C	-	-
	M1	12.00	10.75	999	54	0.9	0.9	0.73	C	123	0	1122	54	0.9	1.0	0.73	C	-	-
	S3	4.33	3.33	518	46	0.9	0.9	1.26	D	2	3	520	49	0.9	0.9	1.28	D	0.35	6
	M3	11.92	10.67	518	46	0.9	0.9	0.40	A	2	3	520	49	0.9	0.9	0.40	A	-	-
	P1	6.67	5.67	841	90	0.75	0.9	1.26	D	14	-1	855	90	0.75	0.9	1.27	D	1.02	6
	P2	6.67	5.67	1046	98	0.75	0.9	1.54	E	26	2	1072	100	0.75	0.9	1.58	E	1.66	3
	P3	8.83	7.58	851	155	0.75	0.9	1.03	D	16	-1	867	155	0.75	0.9	1.05	D	1.45	5
P4	8.83	7.58	463	147	0.75	0.9	0.64	B	59	1	522	148	0.75	0.9	0.70	C	-	-	

**Notes:**  
Methodology based on 2012 CEQR Technical Manual guidelines.  
\* Denotes a significant adverse impact based on 2012 CEQR Technical Manual guidelines.

Special Permit Scenario Subway Fare Array Analysis  
at the 47-50th Street - Rockefeller Center (B,D,F,M) Station

Peak Period	Fare Array	Control Element	Quantity	No-Action						S.P.S. Increment		Special Permit Scenario					
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS
				In	Out					In	Out	In	Out				
AM	N501	Two-way Turnstile	8	53	2584	0.9	1.0	0.40	A	0	109	53	2693	0.9	1.0	0.42	A
		High Entry/Exit Turnstile	2														
		High Exit Turnstile	2														
PM	N501	Two-way Turnstile	8	1703	132	0.9	0.9	0.51	B	125	3	1828	135	0.9	0.9	0.55	B
		High Entry/Exit Turnstile	2														
		High Exit Turnstile	2														

**Notes:**  
Methodology based on 2012 CEQR Technical Manual guidelines.

Special Permit Scenario Subway Stair Analysis  
at the 51st Street (6) Station

Peak Period	Fare Control Area	Stairway	Width (ft.)	Effective Width (ft.)	No-Action					S.P.S. Increment		Special Permit Scenario								
					15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	WIT (in.)	WIT for Significant Impact (in.)		
					Down	Up					Down	Up								
AM	R243	S2	5.17	4.17	32	286	0.75	0.9	0.73	C	7	8	39	294	0.75	0.9	0.77	C	-	-
		S5	4.08	3.08	17	202	0.75	0.9	0.69	B	0	0	17	202	0.75	0.9	0.69	B	-	-
		M2	9.83	8.58	49	489	0.75	0.9	0.60	B	7	8	56	497	0.75	0.9	0.62	B	-	-
	R242A	O1/O2	10.00	8.75	73	790	0.75	0.9	0.95	C	4	14	77	804	0.75	0.9	0.97	C	-	-
		M7	21.33	18.83	71	777	0.75	0.9	0.44	A	4	14	75	791	0.75	0.9	0.44	A	-	-
		P3	18.08	15.58	71	777	0.75	0.9	0.53	B	4	14	75	791	0.75	0.9	0.54	B	-	-
	N305A	U1	4.17	3.17	910	45	0.75	1.0	2.65	F	0	0	910	45	0.75	1.0	2.65	F	0.00	2
		O4	10.00	9.00	1246	242	0.75	0.9	1.29	D	0	0	1246	242	0.75	0.9	1.29	D	0.00	5
PM	R243	S2	5.17	4.17	284	121	0.75	0.9	0.79	C	18	9	302	130	0.75	0.9	0.85	C	-	-
		S5	4.08	3.08	112	84	0.75	0.9	0.54	B	0	0	112	84	0.75	0.9	0.54	B	-	-
		M2	9.83	8.58	394	205	0.75	0.9	0.58	B	18	9	412	214	0.75	0.9	0.60	B	-	-
	R242A	O1/O2	10.00	8.75	235	90	0.75	0.9	0.30	A	11	14	246	104	0.75	0.9	0.33	A	-	-
		M7	21.33	18.83	231	85	0.75	0.9	0.14	A	11	14	242	99	0.75	0.9	0.15	A	-	-
		P3	18.08	15.58	231	85	0.75	0.9	0.16	A	11	14	242	99	0.75	0.9	0.18	A	-	-
	N305A	U1	4.17	3.17	759	4	0.75	1.0	2.14	F	0	0	759	4	0.75	1.0	2.14	F	0.00	2
		O4	10.00	9.00	472	160	0.75	0.9	0.56	B	0	0	472	160	0.75	0.9	0.56	B	-	-

Notes:

Methodology based on 2012 CEQR Technical Manual guidelines.

Decreases in demand from Existing to No-Action reflect changes in subway ridership patterns due to completion of the Second Avenue subway and other MTA capital improvements.

Special Permit Scenario Subway Fare Array Analysis  
at the 51st Street (6) Station

Peak Period	Fare Array	Control Element	Quantity	No-Action						S.P.S. Increment		Special Permit Scenario					
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes	Surging Factor	Friction Factor	V/C Ratio	LOS	
				In	Out					In	Out						In
AM	R242A	Two-way Turnstile	5	71	777	0.75	0.9	0.39	A	4	14	75	791	0.75	0.9	0.40	A
	R243	Two-way Turnstile	9	38	922	0.75	1.0	0.22	A	7	8	45	930	0.75	1.0	0.23	A
PM	R242A	Two-way Turnstile	5	231	85	0.75	0.9	0.16	A	11	14	242	99	0.75	0.9	0.17	A
	R243	Two-way Turnstile	9	654	372	0.75	0.9	0.29	A	18	9	672	381	0.75	0.9	0.29	A

**Notes:**  
Methodology based on 2012 CEQR Technical Manual guidelines.

Special Permit Scenario Subway Passageway Analysis  
at the 51st Street (6) Station

Passageway	Peak Period	Width (ft.)	Effective Width (ft.)	No-Action						S.P.S. Increment		Special Permit Scenario					
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS		
				NB	SB					NB	SB						
To/From Lex Ave-53rd St	AM	15.25	13.3	507	485	0.75	0.9	0.43	A	0	0	507	485	0.75	0.9	0.43	A
	PM	15.25	13.3	659	498	0.75	0.9	0.51	B	0	0	659	498	0.75	0.9	0.51	B

**Notes:**  
 Methodology based on 2012 CEQR Technical Manual guidelines.  
 Decreases in demand from Existing to No-Action reflect changes in subway ridership patterns due to completion of the Second Avenue subway and other MTA capital improvements.

**Special Permit Scenario Subway Escalator Analysis  
at the 51st Street (6) Station**

Peak Period	Escalator	Width (in.)	Feet Per Minute	Guideline Capacity	No-Action				S.P.S. Increment	Special Permit Scenario				
					15-Minute Pedestrian Volumes	Surging Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes	15-Minute Pedestrian Volumes	Surging Factor	V/C Ratio	LOS	V/C Ratio Increase
AM	E233 (UP)	40	90	945	725	0.8	0.96	C	0	725	0.8	0.96	C	-
	E252 (UP)	40	90	945	1278	0.8	1.69	F	0	1278	0.8	1.69	F	0.000
PM	E233 (UP)	40	90	945	554	0.8	0.73	C	0	554	0.8	0.73	C	-
	E252 (UP)	40	90	945	441	0.8	0.58	B	0	441	0.8	0.58	B	-

**Notes:**  
 Methodology based on 2012 CEQR Technical Manual guidelines.  
 Decreases in demand from Existing to No-Action reflect changes in subway ridership patterns due to completion of the Second Avenue subway and other MTA capital improvements.

Special Permit Scenario Subway Stair Analysis  
at the Lexington Avenue - 53rd Street (E,M) Station

Peak Period	Stairway	Width (ft.)	Effective Width (ft.)	No-Action					S.P.S. Increment		Special Permit Scenario						
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS
				Down	Up					Down	Up	Down	Up				
AM	O7	48.8	46.33	87	641	0.9	0.9	0.13	A	0	2	87	643	0.9	0.9	0.13	A
	P7	3.7	2.67	30	49	0.75	0.9	0.26	A	3	1	33	50	0.75	0.9	0.28	A
PM	O7	48.8	46.33	721	219	0.9	0.9	0.15	A	3	0	724	219	0.9	0.9	0.15	A
	P7	3.7	2.67	98	20	0.75	0.9	0.35	A	8	1	106	21	0.75	0.9	0.37	A

Notes:

Methodology based on 2012 CEQR Technical Manual guidelines.

Special Permit Scenario Subway Fare Array Analysis  
at the Lexington Ave - 53rd St Street (E,M) Station

Peak Period	Fare Array	Control Element	Quantity	No-Action						S.P.S. Increment		Special Permit Scenario					
				15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes		15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS
				In	Out					In	Out	In	Out				
AM	N305	Two-way Turnstile	11	83	1310	0.8	0.9	0.28	A	11	18	94	1328	0.8	0.9	0.28	A
PM	N305	Two-way Turnstile	11	622	126	0.8	0.9	0.17	A	25	21	647	147	0.8	0.9	0.18	A

**Notes:**  
Methodology based on 2012 CEQR Technical Manual guidelines.



Special Permit Scenario Subway Escalator Analysis  
at the Lexington Ave - 53rd St Street (E,M) Station

Peak Period	Escalator	Width (in.)	Feet Per Minute	Guideline Capacity	No-Action				S.P.S. Increment	Special Permit Scenario				
					15-Minute Pedestrian Volumes	Surging Factor	V/C Ratio	LOS	15-Minute Pedestrian Volumes	15-Minute Pedestrian Volumes	Surging Factor	V/C Ratio	LOS	V/C Ratio Increase
AM	E243 (UP)	40	90	945	1043	0.75	1.47	E	7	1050	0.75	1.48	E *	0.010
	E244 (UP)	40	90	945	1016	0.75	1.43	E	7	1023	0.75	1.44	E *	0.010
	E254X (UP)	24	90	480	516	0.75	1.43	E	4	520	0.75	1.44	E *	0.011
	E269 (DN)	40	90	945	910	0.95	1.01	D	8	918	0.95	1.02	D	0.009
PM	E243 (UP)	40	90	945	642	0.75	0.91	C	20	662	0.75	0.93	C	-
	E244 (DN)	40	90	945	1196	0.95	1.33	E	8	1204	0.95	1.34	E	0.009
	E254X (DN)	24	90	480	197	1.00	0.41	A	3	200	1.00	0.42	A	-
	E269 (DN)	40	90	945	1336	0.95	1.49	E	8	1344	0.95	1.50	E	0.009

**Notes:**

Methodology based on 2012 CEQR Technical Manual guidelines.

\* Denotes a significant adverse impact based on 2012 CEQR Technical Manual guidelines.

Special Permit Scenario with Improvements Stair Analysis  
at the 51st Street (6) Subway Station

Peak Period	Fare Control Area	Stairway	With-Action								Special Permit Scenario w/ Improvements							
			Width (ft.)	Effective Width (ft.)	15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS	Width (ft.)	Effective Width (ft.)	15-Minute Pedestrian Volumes		Surging Factor	Friction Factor	V/C Ratio	LOS
					Down	Up							Down	Up				
AM	N305A	U1	4.17	3.17	910	45	0.75	1.0	2.65	F	15.00	13.50	910	1323	0.75	0.9	1.39	E
PM	N305A	U1	4.17	3.17	759	4	0.75	1.0	2.14	F	15.00	13.50	759	445	0.75	0.9	0.80	C

**Notes:**  
 Methodology based on 2012 CEQR Technical Manual guidelines.  
 Due the removal of Escalator E252 as part of the With-Action with Improvements, 'Up' volumes on stair U1 accommodate the With-Action volumes on E252.

Special Permit Scenario with Improvements Subway Escalator Analysis  
at the Lexington Ave - 53rd St Street (E,M) Station

Peak Period	Escalator	Width (in.)	Feet Per Minute	Guideline Capacity	No-Action				S.P.S. Increment			Special Permit Scenario w/ Improvements							
					15-Minute Pedestrian Volumes	Surging Factor	V/C Ratio	LOS	Reallocated Volumes	New Demand	Total Increment	Width (in.)	Feet Per Minute	Guideline Capacity	15-Minute Pedestrian Volumes	Surging Factor	V/C Ratio	LOS	V/C Ratio Increase
AM	E243 (UP)	40	90	945	1043	0.75	1.47	E	-193	6	-187	40	100	1050	856	0.75	1.09	D	-0.385
	E244 (UP)	40	90	945	1016	0.75	1.43	E	-166	6	-160	40	100	1050	856	0.75	1.09	D	-0.347
	E254X (UP)	24	90	480	516	0.75	1.43	E	334	6	340	40	100	1050	856	0.75	1.09	D	-0.347
	E269 (DN)	40	90	945	910	0.95	1.01	D	-	8	8	40	100	1050	918	0.95	0.92	C	-
PM	E243 (UP)	40	90	945	642	0.75	0.91	C	-321	10	-311	40	100	1050	331	0.75	0.42	A	-
	E244 (DN)	40	90	945	1196	0.95	1.33	E	99	10	109	40	100	1050	1305	0.95	1.31	D	-0.024
	E254X (UP)*	24	90	480	197	1.00	0.41	A	124	10	134	40	100	1050	331	0.75	0.42	A	-
	E269 (DN)	40	90	945	1336	0.95	1.49	E	99	9	108	40	100	1050	1444	0.95	1.45	E	-0.041

**Notes:**  
Methodology based on 2012 CEQR Technical Manual guidelines.  
\* During the PM peak period in the No-Action condition, Escalator 254X operates in the down direction.

### Future With the Special Permit Scenario Local Bus Conditions

Peak Hour (1)	Route	Peak Direction	Maximum Load Point	Peak Hour Buses (2)	No-Action Available Capacity (3)	Special Permit Scenario Increment	Available Capacity w/Special Permit	
AM	M1	NB	Madison Ave & E 58 St	4	72	1	71	
		SB	5 Ave & W 72 St	4	73	16	57	
		SB LTD	5 Ave & W 72 St	7	75	33	42	
	M4	NB	W 32 St & 7 Ave	10	175	3	172	
		SB	5 Ave & W 72 St	6	54	2	52	
		SB LTD	Central Park N & 5 Ave	6	40	38	2	
	M42	EB	W 42 St & Broadway	41	28	106	-78	*
		WB	W 42 St & Broadway	17	49	5	44	
	PM	M1	NB	Madison Ave & E 72 St	6	94	43	51
SB			5 Ave & W 72 St	9	102	4	98	
NB LTD			Madison Ave & E 58 St	6	71	34	37	
M4		NB	Madison Ave & E 57 St	6	62	52	10	
		SB	5 Ave & W 72 St	8	83	5	78	
		NB LTD	Madison Ave & E 96 St	6	50	45	5	
M42		EB	W 42 St & Broadway	16	7	7	0	
		WB	E 42 St & Lexington Ave	35	6	71	-65	*
<b>Notes:</b>								
(1) Peak hours: weekday 8:00-9:00 AM and 5:00-6:00 PM.								
(2) Assumes service levels adjusted to address capacity shortfalls in the No-Action condition.								
(3) Available capacity based on MTA NYCT loading guidelines of 54 passengers per standard bus.								
* Denotes a significant adverse impact based on current NYC Transit guidelines.								

**SPECIAL PERMIT SCENARIO SIDEWALK CONDITIONS**

Location		Total Width (feet)	Effective Width (feet)	Special Permit Scenario Volume Increment			Flow Rate (PMF)			Average Flow Level of Service			Platoon-Adjusted Level of Service		
				AM	MD	PM	AM	MD	PM	AM	MD	PM	AM	MD	PM
(S10) East 45th Street Vanderbilt Ave to Madison Ave	North	15.0	10.5	205	209	240	4.1	3.9	3.6	A	A	A	C	C	C
(S13) East 42nd Street Vanderbilt Ave to Madison Ave	North	22.5	10.0	175	196	206	8.9	6.7	11.8	C	B	D	D	D	E

**SPECIAL PERMIT SCENARIO CORNER CONDITIONS**

Intersection	Corner	Avg. Pedestrian Space (SFP)			Level of Service		
		AM	MD	PM	AM	MD	PM
(15) Madison Ave @ East 45th St.	NE	29.5	23.8	25.3	C	D	C
(18) Madison Ave @ East 42nd St.	NE	25.2	44.8	25.8	C	B	C
(25) Fifth Ave @ East 42nd St.	SW	34.7	80.2	45.9	C	A	B