

Appendix C:

Individual Project Performance for the Draft RTP 25-Year Plan for Regional Rapid Transit and Highway Improvements

TABLE: PART ONE						
Draft RTP Project Map Number and Name	Length (km)	Modelled Speed	AM Peak Hour Boardings	AM Peak Hour Peak Point Riders	AM Peak Hour Pass.-km	Annual Riders (mil./yr)
<i>Express Rail</i>						
1a - Lakeshore (W)	64.9	80 km/h	53,300	23,000	1,842,500	86.6
1b - Lakeshore (E)	50.8	80 km/h	34,700	26,300	1,046,300	56.4
43 - Mississauga	24.8	80 km/h	26,400	17,000	521,300	42.9
2 - Brampton	32.3	80 km/h	28,300	19,800	708,500	45.9
44 - Richmond Hill	34.1	80 km/h	31,600	18,100	700,900	51.3
<i>Regional Rail</i>						
8 - Barrie (2-way all day to Bradford)	98.6	50-60 km/h	9,200	8,300	696,800	12.6
11 - Stouffville Line (2-way all day to Mt Joy)	50.9	50-60 km/h	3,300	2,900	110,800	4.5
5 - Georgetown (2-way all day)	47.2	50-60 km/h	4,700	3,800	77,100	6.5
4, 7 - Milton (2-way all day)	50.1	50-60 km/h	6,400	7,800	171,800	8.7
9,10 - Richmond Hill (2-way all day to Richmond Hill GO)	49.7	50-60 km/h	900	500	10,100	1.2
6 - Bolton	35.9	50-60 km/h	6,100	5,700	169,700	8.3
12 - Havelock	33.4	50-60 km/h	3,500	1,900	58,900	4.8
13 - Seaton	39.8	50-60 km/h	10,400	6,300	235,100	14.3
14 - Lakeshore (extension to Bowmanville)	17.6	50-60 km/h	1,100	1,100	17,900	1.4
<i>Subway</i>						
n/a - Bloor - Danforth	26.2	40 km/h	70,600	16,000	377,900	144.6
n/a - Yonge-University-Spadina	29.7	40 km/h	93,200	25,100	481,500	211.6
n/a - Sheppard	5.4	40 km/h	11,200	6,100	44,900	22.9
15 - Spadina	7.6	40 km/h	10,400	7,000	53,700	20.2
16 - Yonge	6.8	40 km/h	10,200	8,800	51,500	19.8

TABLE: PART ONE						
Draft RTP Project Map Number and Name	Length (km)	Modelled Speed	AM Peak Hour Boardings	AM Peak Hour Peak Point Riders	AM Peak Hour Pass.-km	Annual Riders (mil./yr)
46 - Downtown Core	13.3	40 km/h	53,500	17,500	243,400	138.4
Other Rapid Transit						
21 - Mississauga Transitway (East)	9.3	25-30 km/h	4,600	2,700	35,800	8.9
21 - Mississauga Transitway (West)	20.3	25-30 km/h	1,500	1,000	12,400	2.8
50 - Hwy 407 Transitway (Central)	25.0	25-30 km/h	16,100	5,200	277,600	31.4
53 - Hwy 407 Transitway (East)	26.7	25-30 km/h	10,700	4,500	144,800	20.7
49 - 427/407	23.7	25-30 km/h	3,500	1,700	46,400	6.8
Toronto						
32 - Don Mills	19.9	25-30 km/h	19,000	5,000	116,100	39.0
31 - Jane	17.3	25-30 km/h	7,200	2,700	51,400	16.0
52 - Scarborough Malvern	14.2	25-30 km/h	8,000	4,100	35,800	16.4
35 - Scarborough RT	11.3	25-30 km/h	15,300	6,400	81,900	31.2
29 - Eglinton	31.2	25-30 km/h	30,500	7,800	206,000	59.0
28 - Finch West	24.0	25-30 km/h	14,100	4,700	122,200	28.8
34 - Sheppard East	17.4	25-30 km/h	7,600	3,100	31,400	15.6
25 - Waterfront West	21.2	25-30 km/h	14,300	5,200	34,700	29.3
30 - Hwy 427	11.8	25-30 km/h	2,000	1,100	14,300	4.2
51 - Steeles/Taunton (West)	15.6	25-30 km/h	2,000	1,800	23,200	4.1
Durham						
36 - Hwy 2	33.6	25-30 km/h	6,700	2,500	35,500	32.6
54 - Steeles/Taunton (East)	48.0	25-30 km/h	3,900	1,600	27,900	15.9
34 - Brock Road	7.0	25-30 km/h	3,700	2,800	14,800	8.7
York						
33 - VIVA Yonge	28.0	25-30 km/h	10,600	5,300	121,500	20.6

TABLE: PART ONE						
Draft RTP Project Map Number and Name	Length (km)	Modelled Speed	AM Peak Hour Boardings	AM Peak Hour Peak Point Riders	AM Peak Hour Pass.-km	Annual Riders (mil./yr)
27 - VIVA Highway 7	46.0	25-30 km/h	15,900	3,400	72,600	31.0
Peel						
26 - Hwy 7 AccelerideQueen Street	7.7	25-30 km/h	4,800	2,300	34,200	9.2
22,23,24 - Hurontario	28.0	25-30 km/h	26,800	5,600	174,200	53.9
19 - Dundas West (East)	9.2	25-30 km/h	3,500	1,500	13,200	6.8
19 - Dundas West (Central)	10.3	25-30 km/h	2,200	1,000	14,600	4.2
Halton						
19 - Dundas West (West)	25.8	25-30 km/h	2,000	800	13,100	3.9
20 - Trafalgar	8.2	25-30 km/h	2,100	1,300	10,600	4.1
Hamilton						
18 - Hamilton King/Main	13.0	25-30 km/h	5,200	1,700	23,500	10.7
17 - Hamilton James Street	14.9	25-30 km/h	3,300	2,000	14,800	6.8
47 - Hamilton Mohawk	16.5	25-30 km/h	4,500	1,100	21,200	8.8

Table: Part Two				
Draft RTP Project Map Number and Name	Average Existing Density Within 500m of the entire line (people and jobs per hectare)	Average Projected Density Within 500m of the entire line (people and jobs per hectare)	Anchor Mobility Hubs Connected	Gateway Mobility Hubs Connected
<i>Express Rail</i>				
1a - Lakeshore (W)	73	100	3	2
1b - Lakeshore (E)	114	153	2	2
43 - Mississauga	25	63	2	2
2 - Brampton	141	184	2	2
44 - Richmond Hill	117	167	2	1
<i>Regional Rail</i>				
8 - Barrie (2-way all day to Bradford)	70	97	1	0
11 - Stouffville Line (2-way all day to Mt Joy)	88	135	2	2
5 - Georgetown (2-way all day)	141	184	2	0
4, 7 - Milton (2-way all day)	25	63	2	2
9,10 - Richmond Hill (2-way all day to Richmond Hill GO)	117	167	2	1
6 - Bolton	116	157	1	2
12 - Havelock	12	13	0	1
13 - Seaton	21	26	0	2
14 - Lakeshore (extension to Bowmanville)	7	19	0	1
<i>Subway</i>				
n/a - Bloor - Danforth	273	341	1	7
n/a - Yonge-University-Spadina	130	159	5	11
n/a - Sheppard	83	111	1	1
15 - Spadina	25	53	2	3
16 - Yonge	84	134	2	1
46 - Downtown Core	284	336	0	4
<i>Other Rapid Transit</i>				
21 - Mississauga Transitway (East)	24	72	2	1
21 - Mississauga Transitway (West)	27	52	2	0

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Draft RTP Project Map Number and Name	Average Existing Density Within 500m of the entire line (people and jobs per hectare)	Average Projected Density Within 500m of the entire line (people and jobs per hectare)	Anchor Mobility Hubs Connected	Gateway Mobility Hubs Connected
50 - Hwy 407 Transitway (Central)	32	56	3	1
53 - Hwy 407 Transitway (East)	32	47	3	0
49 - 427/407	26	34	2	0
Toronto				
32 - Don Mills	71	77	0	4
31 - Jane	57	62	1	4
52 - Scarborough Malvern	68	73	0	2
35 - Scarborough RT	68	133	1	1
29 - Eglinton	69	79	2	6
28 - Finch West	56	69	2	2
34 - Sheppard East	66	103	1	1
25 - Waterfront West	72	82	1	1
30 - Hwy 427	32	64	1	1
51 - Steeles/Taunton (West)	29	45	0	2
Durham				
36 - Hwy 2	27	43	3	0
54 - Steeles/Taunton (East)	29	45	1	1
34 - Brock Road	15	36	1	1
York				
33 - VIVA Yonge	37	52	1	1
27 - VIVA Highway 7	25	63	3	1
Peel				
26 - Hwy 7 AccelerideQueen Street	43	69	1	0
22,23,24 - Hurontario	44	77	2	2
19 - Dundas West (East)	41	75	1	1

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19 - Dundas West (Central)	27	43	0	1
Halton				
19 - Dundas West (West)	27	43	0	1
20 - Trafalgar	21	57	1	1
Hamilton				
18 - Hamilton King/Main	83	100	1	1
17 - Hamilton James Street	44	60	1	1
47 - Hamilton Mohawk	41	46	0	2

Table: Part Three						
Draft RTP Project Map Number and Name	Diversion of person trips from 400 series highways	Seniors within 500 metres of a rapid transit station (in 2031)	Low-income persons (age 15+) within 500m of rapid transit (in 2001)	Annual Reduction in GHG Emissions (t CO2e)	Estimated percentage of the route within the existing built-up area	Approx. km of line crossing Greenbelt
Express Rail						
1a - Lakeshore (W)	Best	11,210	6,700	394,000	90	4
1b - Lakeshore (E)	Best	8,490	4,800	237,000	90	4
43 - Mississauga	Best	14,890	4,210	107,000	100	0
2 - Brampton	Best	7,600	5,080	163,000	100	0
44 - Richmond Hill	Best	8,580	4,800	171,000	100	0
Regional Rail						
8 - Barrie (2-way all day to Bradford)	Better	4,730	1,580	148,000	30	14
11 - Stouffville Line (2-way all day to Mt Joy)	Better	7,670	3,450	18,000	85	7
5 - Georgetown (2-way all day)	Better	7,600	5,080	17,000	85	2
4, 7 - Milton (2-way all day)	Better	14,890	4,210	42,000	85	1
9,10 - Richmond Hill (2-way all day to Richmond Hill GO)	Better	8,580	4,800	1,000	75	0
6 - Bolton	Better	3,590	1,380	39,000	70	0
12 - Havelock	Better	330	180	4,000	85	6
13 - Seaton	Better	1,360	910	46,000	70	9
14 - Lakeshore (extension to Bowmanville)	Good	400	220	5,000	50	0
Subway						
n/a - Bloor - Danforth	N/A	N/A	N/A	N/A	N/A	N/A
n/a - Yonge-University-Spadina	N/A	N/A	N/A	N/A	N/A	N/A
n/a - Sheppard	N/A	N/A	N/A	N/A	N/A	N/A
15 - Spadina	Neutral	1,230	950	12,000	100	0

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16 - Yonge	Neutral	4,800	3,020	11,000	100	0
46 - Downtown Core	Neutral	28,590	26,300	53,000	100	0
<i>Other Rapid Transit</i>						
21 - Mississauga Transitway (East)	Good	4,190	800	8,000	100	0
21 - Mississauga Transitway (West)	Good	4,390	1,410	2,000	90	0
50 - Hwy 407 Transitway (Central)	Good	9,050	8,080	55,000	100	0
53 - Hwy 407 Transitway (East)	Good	4,750	2,410	28,000	100	1
49 - 427/407	Good	1,160	440	11,000	100	0
<i>Toronto</i>						
32 - Don Mills	Neutral	21,880	16,860	22,000	100	0
31 - Jane	Neutral	13,560	12,300	14,000	100	0
52 - Scarborough Malvern	Neutral	11,570	8,870	7,000	100	0
35 - Scarborough RT	Neutral	7,090	4,640	18,000	100	0
29 - Eglinton	Neutral	30,040	18,970	43,000	100	0
28 - Finch West	Neutral	16,340	16,790	28,000	100	0
34 - Sheppard East	Good	14,980	9,530	2,000	100	0
25 - Waterfront West	Neutral	30,980	19,580	13,000	100	0
30 - Hwy 427	Neutral	5,720	2,520	3,000	100	0
51 - Steeles/Taunton (West)	Neutral	14,150	7,750	5,000	100	0
<i>Durham</i>						
36 - Hwy 2	Good	18,310	5,350	22,000	100	1
54 - Steeles/Taunton (East)	Neutral	14,150	7,750	15,000	55	17

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34 - Brock Road	Neutral	4,620	1,010	4,000	65	0
York						
33 - VIVA Yonge	Good	9,000	2,940	34,000	85	11
27 - VIVA Highway 7	Good	14,890	4,210	14,000	100	0
Peel						
26 - Hwy 7 AccelerideQueen Street	Neutral	11,460	4,880	6,000	75	0
22,23,24 - Hurontario	Neutral	25,200	11,060	24,000	100	0
19 - Dundas West (East)	Neutral	7,240	3,580	1,000	100	0
19 - Dundas West (Central)	Neutral	5,280	1,980	3,000	100	0
Halton						
19 - Dundas West (West)	Neutral	5,280	1,980	2,000	40	9
20 - Trafalgar	Neutral	2,890	730	2,000	65	0
Hamilton						
18 - Hamilton King/Main	Neutral	15,040	19,020	5,000	100	2
17 - Hamilton James Street	Neutral	6,390	6,410	3,000	80	1
47 - Hamilton Mohawk	Neutral	10,410	7,410	5,000	100	2