

APPENDIX I

[REDACTED] Information

**[REDACTED] Information to Support the City of Ottawa's
Proposed Light Rail System – Stage 2 Confederation Line**

Table 1-1 – [REDACTED] West Confederation Line Proposed System Expansion

LRT Station	TPSS	Passenger Station	Supply Circuit	Supply Voltage	Supply Station	Construction Required	Primary Circuit	Supply % O/H	System Expansion Build-out Timeline (months)	Supply Point Location (X; Y)	LRT Peak Elect Demand (MVA)	[REDACTED] Max Circuit Available (MVA)	Supply Point Connection Config
Moodie TPSS and LMSF	X	X	22M28 and A9M2	44kV	Nepean DS and South March DS	Extend pole line.	Dual Radial	>75%	18	(356228.52, 5022267.30) ¹	12	12	Dual Radial
Bayshore TPSSW1	X	X	2 x new circuits	13.2	Lincoln Heights TD	2 x New Circuits from Lincoln	Looped	0%	36	(358936.31, 5023137.77)	3.5	8	Looped
Pinecrest		X	5407 and 5408	13.2	Lincoln Heights TD	Extension of 5407/5408	Looped	75%	12	(360376.13, 5023652.46)	1+0.6 back-up	1.6	Dual Radial
Queensview TPSSW2	X	X	TD1TW	13.2	Woodroffe TW	Extension of circuit TD1TW	Looped	0%	36	(361008.70, 5024195.83)	4.1	6	Looped
Lincoln Fields TPSSW3	X	X	TD2TW	13.2	Lincoln Heights TD	No expansion required.	Looped	0%	N/A	(361114.94, 5025324.36)	3.5	8	Looped
New Orchard		X	TD1TW	13.2	Woodroffe TW	No expansion required.	Looped	0%	N/A	(361383.29, 5026368.30)	1.6 + 1 back-up	6	Looped
Cleary TPSSW3A	X	X	2 x new circuits	13.2	Woodroffe TW/Lincoln TD	1 x new circuits from Woodroffe TW, 1 x new circuits from Lincoln TD	Looped	0%	36	(361938.46, 5027161.60)	4.5 + 0.6 back-up + 2 for future building	8	Looped
Dominion TPSSW4	X	X	TM1AH	13.2	Carling TM	Minor expansion required	Looped	>50%	12	(362759.10, 5028308.34)	3.5	4	Looped
Westboro		X	TH2UL and UL1AH (TM3UC)	13.2	Carling TM	No Expansion required.	Dual Radial	>75%	N/A	(363342.05, 5028747.37)	1	3	Looped
Iris		X	TW1UV	13.2	Woodroffe TW	No expansion required.	Dual Radial	>75%	N/A	(362033.95, 5024240.12)	1	7.6	Looped
Baseline TPSSB1	X	X	2 x New Circuit	13.2	Woodroffe TW	2 x New circuit from Woodroffe	Dual Radial	0%	24	(362762.70, 5023246.39)	7.1	16	Looped

Table 1-2 – [REDACTED] East Confederation Line Proposed System Expansion

LRT Station	TPSS	Passenger Station	Supply Circuit	Supply Voltage	Supply Station	Construction Required	Primary Circuit	Supply % O/H	System Expansion Build-out Timeline (months)	Supply Point Location (X; Y)	LRT Peak Elect Demand (MVA)	[REDACTED] Max Circuit Available (MVA)	Supply Point Connection Config
Track Heaters East of Blair Station	n/a	n/a	CYRF1	27.6	Cyrville TS	Extension of existing circuit.	Looped Radial	>75%	4	(375158.87, 5033188.62)	0.5	4	Radial
Montreal TPSSE1	X	X	8F1	27.6	Moulton MS	No Expansion required. Overhead switchgear relocation required	Looped Radial	>75%	N/A	(376356.23, 5034941.28)	4	5	Radial or Dual Radial
Jeanne D'Arc TPSSE2	X	X	77M5	27.6	Bilberry TS	Extension of existing circuit	Looped Radial	>75%	12	(379465.97, 5036961.73)	4	5	Radial or Dual Radial
Orleans Blvd Option A	X	X	77M1	27.6	Bilberry TS	No Expansion required.	Looped Radial	>75%	N/A	(380323.45, 5037586.09)	4	5	Radial or Dual Radial
Orleans Blvd Option B			CYRF4	27.6	Cyrville TS	Extension of existing circuit	Looped Radial	>75%	18	(380323.45, 5037586.09)	4	5	Radial or Dual Radial
Place D'Orleans TPSSE3	X	X	77M6	27.6	Bilberry TS	No Expansion required.	Looped Radial	>75%	N/A	(381365.46, 5038185.20)	4	5	Radial or Dual Radial
Trim Road ² TPSSE4	X	X	M1	27.6	Orleans TS	No Expansion Required	Looped	>75%	N/A	(N 45.494989°, E - 75.483315°)	4	5	Radial

[REDACTED] does not guarantee the accuracy of the information for the existing services

Notes:

1 DBCo shall be permitted to customize the overhead Supply Point location for the Moodie LMSF and TPSS to any location along the south side of the Corkstown Road ROW, west of Moodie Drive.

2 [REDACTED] supplied station.