

Confederation Line Variations

September 23, 2016

(See tab 'Confed VC')

Report Date: September 23, 2016

Variation Confirmations (VC)		Total RTG Costs for VCs including unrecoverable HST	Total Funded Construction Costs
17	Contingency Funding (Note 2)	\$ 13,177,814	\$ 14,542,113
2	Stakeholders (Note 1)	\$ 3,367,322	
4	REPDO/RIO Budget Reallocation (Note 1)	\$ 364,702	
3	Transit Services	\$ 1,399,128	
2	PGM	\$ 1,152,081	
3	ESD/ISD	\$ 736,178	
5	Related Projects (Note 1)	\$ 1,094,227	
12	Zero-Cost Variations	\$ -	
48	Total	\$ 21,291,452	\$ 22,655,751

Related Projects include:

- Scott Street Resurfacing
- Queen Street Renewal
- Rideau StreetScaping

Note 1: excludes variations that are cost-shared with Contingency Funding
 Note 2: The difference between Total Funded Costs and Total RTG Costs refer to other non-RTG costs (project mgt fees)

Variations in Progress

Variation Enquiries (VE) *** Funded by:	Estimated Costs	(See tab 'Confed VE')
14 Contingency Fund	\$ 18,495,932	(included in EAC for Contingency)
9 Risk Register (potential Contingency Fund)	see Risk Register #379, 318, 167, 361	(included in EAC for Contingency)
2 Stakeholders	\$ 300,000	
3 REPDO/RIO Budget Reallocation	\$ 778,706	
4 Transit Services	\$ 2,584,143	
3 PGM	\$ 270,000	
2 ESD	\$ 2,139,408	
3 ISD	\$ 2,500,000	
1 RTOM (Roads & Traffic Operation mgt)	TBD	
1 Public Works (Streetlighting)	TBD	
2 Scott Street Project	\$ (137,097)	
1 Stage 2	TBD	
2 Queen Street Streetscaping	\$ 20,873,213	
4 Zero-Cost/Net Credit Variations	\$ -	
51 Total Estimated Costs	\$ 47,804,305	

Variations in Progress Funded by:	Estimated Costs
15 Contingency Fund	\$ 18,870,932
38 Risk Register (potential Contingency)	see Risk Register #379, 318
3 Stakeholders	\$ 300,000
3 REPDO/RIO Budget Reallocation	\$ 778,706
16 Other City Departments	\$ 7,493,551
5 Related Projects	\$ 20,736,117
4 Zero Cost/Net Credit Variations	\$ -
1 Stage 2	TBD
85 Total Estimated Costs	\$ 48,179,305

Innovation Proposals under Consideration	
1 HEATED PLATFORMS	TBD

*** there are 24 Variation Directives (VD) associated with the above VE's

Variation Notices (VN) & Project Scope Change Authorizations (PSCA)	(See tab 'Confed VN')
1 Contingency Fund	\$ 375,000 (included in EAC for Contingency)
29 Risk Register* (potential Contingency Fund)	see Risk Register #379, #403 (included in EAC for Contingency)
2 Other City Departments	TBD
1 Stakeholders	TBD
1 Related Projects	TBD
34	

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1. Variation Confirmations				Change from previous report	B			Other City Departments				C		D		Notes	Lifecycle (operational)	Facility Management (Operational)
Item	VC	#	Description	Account #	Contingency Funding	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Funded Costs	Total RTG Costs for VCs	Total RTG Costs for VCs including unrecoverable				
1	VC	80	Vehicle Deadman's Handle Function - Additional Alertness Function in ATO (VE - 97)	Account # 906950 (PIF #1)	\$ -	\$ -	\$ -	\$ 349,050	\$ -	\$ -	\$ -	\$ 349,050	\$ 343,013	\$ 349,050	RAID #5142	\$ -	\$ -	
2	VC	19	Vehicle - Installation of Tri-Poles	Account # 907367 "Rapid Transit system Customer Improvements"	\$ -	\$ -	\$ -	\$ 1,017,600	\$ -	\$ -	\$ -	\$ 1,017,600	\$ 1,000,000	\$ 1,017,600	(\$ Agreed to signed VC) RAID #4566	\$ -	\$ -	
3	VC	20	Trenching & Electrical Lighting- East Portal Detour Nicholas & Laurier	RIO LR01W5.3.4 Streetlighting	\$ -	\$ 50,043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,043	\$ 49,178	\$ 50,043	RAID#5058 LR01W5.3.4 Streetlighting	\$ -	\$ -	
4	VC	37	West Portal Watermain Defect (VN - SEG 2 - 5) (VE - DCE - 14)	ESD Account #141433 "Inspections" (PIF #3)	\$ -	\$ -	\$ -	\$ -	\$ 68,766	\$ -	\$ -	\$ 68,766	\$ 67,576	\$ 68,766	RAID #5327	\$ -	\$ -	
5	VC	76	Belfast Road - Accommodation of Multi-Use Pathway (VE - 18)	Account #907664 "Belfast Station Multi-Use Pathway" (PIF #4)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 354,766	\$ -	\$ 354,766	\$ 348,630	\$ 354,766	RAID#5128	\$ -	\$ -	
6	VC	90	Intermediate Shaft Staging Area - Contaminated Soil/Groundwater (VE - 113)	Brookfield	\$ -	\$ 2,502	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 202,502	\$ 199,000	\$ 202,502	Executed VC RAID#5399 Brookfield to contribute \$200k, City \$5k (\$ Agreed to signed VC)	\$ -	\$ -	
7	VC	106	Booth Street Bridge - Additional Utility Duct Capacity (VE-84)	Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 167,322	\$ 167,322	\$ 164,428	\$ 167,322	RAID#5134 Add duct capacity to the Booth St. Bridge to carry 3rd party utilities as follows: Hydro Ottawa - Bell - Roger	\$ -	\$ -	
8	VC	34	Parking lot construction at 193, 200 Lees Ave. (VE - 4)	CDA #6	\$ 277,519	\$ 1,325,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,603,396	\$ 1,575,664	\$ 1,603,396	RAID#5127 Total cost is \$1,575,876 with existing RIO Property Budget to cover \$1,325,877 and Contingency to cover difference of \$250k	\$ -	\$ -	
9	VC	1	Downtown Stations - Various (Consent Report for Lyon Station Design-West Entrance Aug 25/15 and Apr 1/15)	CDA #7	\$ 908,606	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 908,606	\$ 892,891	\$ 908,606	RAID #8805 LR01W1.4.15 (Lyon E) LR01W1.4.18 (Rideau E) LR01W1.4.19 (Lyon W) Lyon E: \$611,853 Lyon W: \$4,610 Rideau E- \$276,429 (Capital Only)	\$ -	\$ -	
10	VC	6	Rideau Station Vertical Circulation (Consent Report for Rideau Station Design Nov 17/14)	CDA #7	\$ 852,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 852,502	\$ 837,758	\$ 852,502	LR01W1.4.17 (Entrance-Cadillac Fairview)	\$ 417,367	\$ 372,960	
11	VC	36	Lyon Station West Entrance - Over-excavation for future Claridge Building (VE - 86)	CDA #7	\$ 1,034,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,034,288	\$ 1,016,400	\$ 1,034,288	(LR01W1.4.19) RAID#5136 Entrance - Claridge(Lyon West)	\$ -	\$ -	

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Item	VC	#	Description	Account #	Contingency Funding	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Funded Costs	Total RTG Costs for VCs	Total RTG Costs for VCs including unrecoverable	Notes	Lifecycle (operational)	Facility Management (Operational)
12	VC	91	Rideau Station - Integrated Station Entrance - Cadillac Fairview (VE-45) <i>(Consent Report for Rideau Station Design Nov 17/14)</i>	CDA #7	\$ 415,468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 415,468	\$ 408,282	\$ 415,468	LR01W1.4.17) RAID#4449 Caillac Fairview Entrance	\$ -	\$ -
13	VC	92	Additional Column Works - Lyon Station East - Place De Ville (VE-136)	CDA #7	\$ 97,076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,076	\$ 95,397	\$ 97,076	RAID#5756 LR01W1.4.15 Entrance Brookfield (Lyon East)	\$ -	\$ -
14	VC	108	Lyon Station West Entrance - Lyon Street Works (VE-19) +D23	CDA #7	\$ 2,306,938	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,306,938	\$ 2,267,038	\$ 2,306,938	RAID#5129 (LR01W1.4.19) Entrance - Claridge(Lyon West) At May 27, at Project Co acknowledge step	\$ -	\$ -
15	VC	14	Underground Fuel Oil Tank at 767 Belfast Road.	CDA #8	\$ 14,545	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,545	\$ 14,294	\$ 14,545	LR01W4.3)	\$ -	\$ -
16	VC	89	Vermiculite (asbestos) at three Belfast buildings (VE-DEC-6)	CDA #8	\$ 374,986							\$ 374,986	\$ 368,500	\$ 374,986	RAID #5784 (LR01W4.3) Excludes any cost recoveries from CTP. (\$ Agreed to signed VC)	\$ -	\$ -
17	VC	2	Bus Shelter Pad - West of Waller/North of Laurier	CDA #9	\$ 68,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,546	\$ 67,361	\$ 68,546	RIAD #8809 (LR01W4.3)	\$ -	\$ -
18	VC	4	Additional Elevator at Pimisi Station <i>(Consent Report for Pimisi Station Design Feb 05/14)</i>	CDA #9	\$ 713,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 713,460	\$ 701,120	\$ 713,460	RAID #8810 (LR01W4.3) (Capital Only)	\$ 93,004	\$ 298,378
19	VC	5	Pimisi Station - Various items <i>(Consent Report for Pimisi Station Design Feb 05/14)</i>	CDA #9	\$ 164,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 164,244	\$ 161,403	\$ 164,244	RAID #8820 (LR01W4.3)	\$ -	\$ -
20	VC	74	Preston St. Detour (VN - 41) (VE - DCE - 96)	CDA #13	\$ 249,936	\$ -	\$ 249,936		\$ -	\$ -	\$ -	\$ 499,872	\$ 491,227	\$ 499,872	After CDA approved, agreement to split cost (LR01W4.3) 50% Contingency (\$245,614)/50% Cash Allowance-Scott Street (\$245,614) Total Cost= \$491227	\$ -	\$ -

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21	VC	97	Parliament East - New Integrated Station Entrance (Morguard) (VE - 154) <i>(Consent Report for Parliament Station Design-East Entrance Mar 25/15)</i>	CDA #14	\$ 3,710,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 6,710,000	\$ 5,369,086	\$ 5,463,582	Total VC cost equals \$5,369,086. Morguard has committed to pay \$3M. CD#14 was approved for up to \$3.71M to cover City's portion. Other PM costs (approx. \$500k) to be charged against CDA	\$ -	\$ -
22	VC	100	Morguard ISE (VE - 153) <i>(Consent Report for Parliament Station Design-East Entrance Mar 25/15)</i>	CDA #14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 78,150	\$ 79,525	Design Estimate cost for ISE, part of deal negotiated with Morguard.	\$ -	\$ -
23	VC	9	Milestone #2 Description and Acceptance Criteria	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Zero-Cost Variation	\$ -	\$ -
24	VC	13	Milestone #3 Description/Acceptance Criteria Modification (VN - 39) (VE - 73)	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Zero-Cost Variation	\$ -	\$ -
25	VC	15	Booth Street Detour (Preston Street Extension) - Provision of MUP	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Zero-Cost Variation	\$ -	\$ -
26	VC	75	East Portal Temporary Shoring Requirements (VN - 27) (VE - IP - 36)	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Zero-Cost Variation	\$ -	\$ -
27	VC	107	Amendment to Real Property Schedule - Property Tables - Execution Version - Revision 1	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Zero-Cost Variation RAID#5562 At July 17, at approval gathering step	\$ -	\$ -
28	VC	109	PADI Log 2015-01-16 Version 1	Zero Cost	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	RAID #6155 60 PADI items in the PADI log file - \$0 impact	\$ -	\$ -
29	VC	DCE 142	Closed aqueduct - Booth St. (VN - 62) (VE-DCE-188)	ESD Account #907733 "FSCA Rehabilitation" (PIF #5)	\$ -				\$ 239,136	\$ -		\$ 239,136	\$ 235,000	\$ 239,136	RAID#6085	\$ -	\$ -

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30	VC	143	Scott Street MUP Overlay (VE-214)	Scott Street			\$ 61,643					\$ 61,643	\$ 60,577	\$ 61,643	RAID#7671 PSCA #7575 908016 Scott Street Overlay	\$ -	\$ -
31	VC	148	Public Art - Phase 2 Non-Integrated Art (VE-145)	RIO LR01W1.2 Public Art		\$ (13,720)						\$ (13,720)	\$ (13,720)	\$ (13,720)	Execute VC PSCA RAID#5863, VE RAID #6065	\$ -	\$ -
32	VC	149	Rideau Street Streetscaping Design (VE-122)	# 907903					\$ 797,316			\$ 797,316	\$ 783,526	\$ 797,316	Executed VC RAID #7836 PSCA#7658	\$ -	\$ -
33	VC	151	Vehicle Carbody Steel (VN - 73, VE-231)	Zero Cost								\$ -	\$ -	\$ -	Executed VC RAID #7908 Zero Cost	\$ -	\$ -
34	VC	158	1500mm Feedermain Isolation Valve for Hurdman Bridge Pumping Station (VE-218)	ESD-#906802 (PIF #7)					\$ 428,276			\$ 428,276	\$ 420,869	\$ 428,276	Execute VC RAID #7834 PSCA#7720 Email confirmation from ESD to cover funding.	\$ -	\$ -
35	VC	159	East BRT Detour - Additional Bus Shelter Pads (VE-229)	TS-#907819 - Bus Stops and Shelters - 2015 (PIF #8)			\$ 32,478					\$ 32,478	\$ 31,917	\$ 32,478	Execute VC RAID #7939 PSCA#7764 Approx \$6k per pad, 2 pads for Ogilvy, plus costs	\$ -	\$ -
36	VC	160	Scott Street Widening - Tactile Walking Surface Indictators (TWSI)(VE-179)	Scott Street			\$ 48,692					\$ 48,692	\$ 47,850	\$ 48,692	Execute VC VD-80 RAID#6771 (est \$1.4k *2.1m2*2sides*12intersections + HST) PSCA RAID#6679	\$ -	\$ -
37	VC	161	Contaminated material Scott Street (VN - 64)	Scott Street			\$ 154,403					\$ 154,403	\$ 151,732	\$ 154,403	Execute VC RAID#6338 Total RIO Estimate is for \$350k and includes RTG costs plus Trail Road Landfill disposal costs to date.	\$ -	\$ -

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Item	VC	#	Description	Account #	Contingency Funding	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Funded Costs	Total RTG Costs for VCs	Total RTG Costs for VCs including unrecoverable	Notes	Lifecycle (operational)	Facility Management (Operational)
38	VC	162	West BRT MUPs #1 to #4 (VE-155)	Zero Cost								\$ -	\$ -	\$ -	Execute VC VD-85 RAID #6221 Zero Cost per signed VC	\$ -	\$ -
39	VC	163	Scott Street Temporary Fencing (VE-211)	Scott Street			\$ -					\$ -	\$ -	\$ -	Execute VC VD-100 RAID#7596 Zero Cost per signed VC	\$ -	\$ -
40	VC	167	Belfast/Tremblay Large Diameter Watermain Relocations - Additional Constraints (VN-57) (VE-DCE-181)	CDA#20	\$ 674,000							\$ 674,000	\$ 661,953	\$ 673,603	Execute VC RAID#5800 CDA draw approved Dec 15th for \$674k	\$ -	\$ -
41	VC	169	University of Ottawa Tunnel (Utilidor) (VE-198)	CDA #17 CDA#24 credit	\$ 2,680,000							\$ 2,680,000	\$ 2,440,046	\$ 2,482,991	Execute VC VD 93 RAID#6542 CDA#17 approved for \$3,480,192; CDA#24 credit for \$800,192	\$ -	\$ -
42	VC	170	Nominated Vehicle Motor	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Execute VC RAID #7673 proposed substitution	\$ -	\$ -
43	VC	176	Extension of East Portal Shoring Requirements to phase II (SIP - 6) (IP 7)	Credit		\$ (100,000)						\$ (100,000)	\$ (100,000)	\$ (100,000)	Execute VC RAID #8825 New design of entrance station lobby with the pedestrian underpass in return for relief on PA requirements to keep underpass open during construction	\$ -	\$ -
44	VC	177	U-Ottawa below grade entrance (SIP - 7) (IP-6)	Zero Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Execute VC RAID #8854	\$ -	\$ -
45	VC	178	Discovery of Human Bones Queen Street: Cash Allowance Civic Works (VN - SEG 7 - 11) (VD DCE-5) (VE-DCE-20)	Cash Allowance			\$ 579,552					\$ 579,552	\$ 569,529	\$ 579,552	Execute VC RAID #8710 final invoices from RTG		

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Item	VC	#	Description	Account #	Contingency Funding	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Funded Costs	Total RTG Costs for VCs	Total RTG Costs for VCs including unrecoverable	Notes	Lifecycle (operational)	Facility Management (Operational)
46	VC	179	Goldenrod Sidewalk (VE-183)	Zero Cost								\$ -	\$ -	\$ -	Execute VC PSCA RAID#6766		
47	VC	180	Fixed Block Detection Removal (SIP - 4) (IP-4)	Credit		\$ (900,000)						\$ (900,000)	\$ (900,000)	\$ (900,000)	Execute VC RAID #6995 Initial estimate of total credit is \$1,777,400 with RIO to receive a min of \$900k, up to 50% of final total credit.		
48	VC	181	Rideau Street Sinkhole Event - Standstill Arrangement (VE - 266)	Zero Cost								\$ -	\$ -	\$ -	Execute VC RAID #9515		
Total Variation Confirmation					\$ 14,542,113	\$ 364,702	\$ 1,094,227	\$ 1,399,128	\$ 736,178	\$ 1,152,081	\$ 3,367,322	\$ 22,655,751	\$ 20,905,671	\$ 21,291,452		\$ 510,371	\$ 671,338

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Report	2. Variation Enquiries and associated Variation Directives					Change from previous report					Other City Departments										
Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)	
1	VE	63	VD	70 56	VIA Station - Pickering Place Widening and D Road Connection	CDA #5 Total CDA is for \$1.5M, the balance is for property costs	\$ 651,569	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 651,569	640,300	651,569	VD-70 and VD-56 (LR01W1.4.12) RAID#4577 Costs updated to include Design of \$80,445 plus Constructon \$559,855 per VD-70. Other property		
2	VE	67			Applicability of Ontario Building Code 2012	Risk Register (#379)	\$ -	\$ TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	TBD	TBD	RAID #7744 #379 Risk Register		
3	VE	68			Pimisi Station Lower Concourse "Pass Through" Width	PGM-906750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 270,000	\$ -	\$ 270,000	554,369	564,125	RAID#4946 906750 East-West Bikeway D See "RE: VE-68 PIMISI station-			
4	VE	87	VD	83	Escalators to 10 Rideau Entrance	Cadillac Fairview	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-1,455,222	-1,455,222	VD-83 RAID#5137 PSCA #5430 RTG or CF will bear the cost risk differential Credit is for the removal of scope relating to these			
5	VE	95			SunLife Mezzanine Overbuild	CDA #7 \$15.4M is for all property and variation costs related to Integrated Station Entrances (ISE) and this budget is being	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-7,508	-7,508	PSCA RAID#4634, RAID #5139 LR01W1.4.16 (Parliament West)			
6	VE	109			Changes to the 2012 Ontario Building Code (Jan 1 2015) (VN-49)	Risk Register (#379)	\$ -	\$ TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	TBD	TBD	RAID#5126 #379 Risk Register		
7	VE	128	VD	91 99	Relocation of Nicholas St Mobilization Site	Cadillac Fairview	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000	269,312	274,052	VD-91 and VD-99 RAID #5563 Cadillac Fairview to refund RTG for costs up to 300K. See "Smit e-mail 25Sep15 CF letter RTG Nicholas ay-			

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Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)
8	VE	132	VD	103	Reinstatement of the Intermediate Shaft	CDA #7 \$15.4M is for all property and variation costs related to Integrated Station Entrances (ISE) and this budget is being managed as a whole.	\$ 1,725,310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,725,310	1,695,470	1,725,310	VD-103 RAID #5687		
9	VE-DCE	140			Asbestos Place De Ville (VN - 60)	CDA#22	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000	425,802	433,296	RAID#5820 RTG stimate increased from \$263 to \$333k to \$425.901, under		
10	VE	147	VD	88	Transfer Stations - BRT Fit-up	Transit Services-TBD Net Zero cost	\$ -	\$ -	\$ -	\$ -	\$ 1,047,845	\$ -	\$ -	\$ -	\$ 1,047,845	1,029,722	1,047,845	VD-88 PSCA RAID#5896 VE RAID# 6067 Net cost or credit to OC Transpo Correction required: RTG estimate is		
11	VE	152			Additional Transit Information Panels	2015 OC Transpo Capital	\$ -	\$ -	\$ -	\$ -	\$ 1,516,298	\$ -	\$ -	\$ -	\$ 1,516,298	1,490,072	1,516,298	RAID #6181 PSCA RAID # 5591		
12	VE	161			Scott Street Widening for West BRT Detour	Scott Street	\$ -	\$ -	\$ -	\$ (167,097)	\$ -	\$ -	\$ -	\$ -	\$ (167,097)	-164,207	-167,097	RAID#6466 PSCA RAID#6298 RTG credit increased from \$156k to \$164k) Expected to be cost-		
13	VE	164	VD	72	Phase 2 Art Program - Architect Workshop Attendance	RIO Budget	\$ -	\$ -	\$ 8,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,706	8,555	8,706	VD 72 RAID#6467 RTG estimate decreased from \$70k to \$25k to		
14	VE	165			Laurier Avenue BRT Detour Restoration	Net \$0 cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID#6383 PSCA RAID#6300 Expected to be no-cost or small credit		
15	VE	174	VD	77	Rideau Station East - BNS Wall Demolition (VD-77)	CDA #7 \$15.4M is for all property and variation costs related to	\$ 386,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 386,074	379,397	386,074	VD-77 RAID #6682 LR01W1.4.15 Entrance Brookfield		
16	VE	180	VD	95	Hydro Ottawa Civil Plant Relocation at Hurdman Station (VN-48)	Risk Register (#379)	\$ -	\$ TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	88,374	89,929	VD-95 RAID#5125 50% of \$178k cost estimate		

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Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)
17	VE	187			PPUDO on Yarrow Driveway - Tunney's Pasture Station	Possible Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #8562 PSCA RAID#6765 Possible Credit		
18	VE	192	VD	104	Queen St. Renewal - Bronson Ave. To Elgin St. Phase 1 & 2 (Contract No. LRT14-1022)	Queen Street #907801	\$ -	\$ -	\$ -	\$ 14,958,181	\$ -	\$ -	\$ -	\$ -	\$ 14,958,181	14,699,471	14,958,181	VD 104 RAID #7200 Outside scope of PA, but will be treated as a variation for process purposes. NEW-VE has been		
19	VE	193	VD	92 96 107	Washrooms for Bayview and Hurdman Stations	CDA#18	\$ 2,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050,000	1,227,480	1,249,084	VD 107 VD-96 (VD-92) RAID #7241 Budget includes \$100k for RIO mgt fees Lifecycle costs have been identified and expected to be funded from	\$ 57,200	\$ 4,416,502
20	VE	197			St. Laurent Station - Planters	Credit	\$ -	\$ -	\$ (5,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (5,000)	-5,000	-5,000	RAID#7522 PSCA RAID #7179		
21	VE	208			Belfast Road VIA Overpass MUP Missing Link	PGM-TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Design Funding confirmed	\$ -	\$ -	243,224	247,505	RAID #8457 PSCA #7383 Design funding confirmed by PGM		
22	VE-DCE	209			Rideau River Transitway Bridge - Potential Latent Defect	ISD-TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000	\$ -	\$ -	\$ 2,500,000	TBD	TBD	RAID #7411 PSCA #6457 ISD expected to contribute up to \$2.5M		
23	VE	215	VD	106	2017 TUME Event	Zero-Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #7879 VD 106		
24	VE	219	VD	113	Incident Control Panel (ICP)	CDA #27	\$ 103,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 103,000	101,094	102,874	RAID #7837 PSCA #7534 CDA draw requested to proceed with VD.		
25	VE	227	VD	101 110	Train Operator Crew Room at Bayview Station (Consent Report for Construction of Train Operator Crew Room at Bayview Station Mar 08 2016)	CDA #25	\$ 1,300,000	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ 1,320,000	1,175,720	1,196,412	VD-101 RAID#7911 PSCA#7618 TS has agreed to fund design estimate of \$20k	\$ 205,150	\$ 617,454
26	VE	239			Queen St. Renewal - Bronson Ave. To Elgin St. Phase 1C	Queen Street #907801	\$ -	\$ -	\$ -	\$ 5,915,032	\$ -	\$ -	\$ -	\$ -	\$ 5,915,032	5,812,728	5,915,032	RAID #8379 Contract No. LRT14-1022		

Confederation Line Variations
September 23, 2016

Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)
27	VE	242	VD	105	Watermain Abandonment Tremblay/Belfast (Previously noted as VE-156)	ESD Account # 906635-OOTM Hurdman-St. Laurent WM Relocate (PIF #6)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,139,408	\$ -	\$ -	\$ 2,139,408	2,102,405	2,139,408	VC-150 is void; new VE to replace VE 156 VD-104 replaces VD-81 RAID #6274 PSCA RAID#5611 Asset Management Branch/ISD	\$ -	\$ -
28	VE	243			Pickering Place - Alternative Entrance Configuration to VIA Parking Lot	CDA #5	\$ 327,978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 327,978	322,305	327,978	Linked to VE-63 RAID #8231		
29	VE	244	VD	109 108	Tunney's Pasture Bus Loop and Goldenrod Driveway Modification (Consent Report for Tunney's Pasture Bus Loop and Staging Area Feb 17, 2016)	CDA #23 2017 Capital budget for Tunney's	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	TBD	TBD	RAID #8469 PSCA #8325 Work being advanced to 2016; Capital funding in 2017 Budget Pending CDA#23 for \$2M		
30	VE	246			Lyon East Entrance, P4 drainage pipe works (VN - 72)	Risk 361 or CDA#7		TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,298	21,673	RAID #7781 Change/Upgrade requested by Brookfield Estimate reduced from \$66K funding options		
31	VE	247	VD	114	Booth Street Aqueduct Retaining Wall	REPDO Land Acquisition	\$ -	\$ -	\$ 775,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 775,000	726,750	739,541	RAID #8818 PSCA RAID#8364 REPDO Land Acquisition Account, estimate of \$775k		
32	VE	248			Additional Fibre Optic Requirements	Roads & Traffic Operations & Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Design Funding confirmed	\$ -	\$ -	721,874	734,579	RAID #8602 PSCA RAID#8427 RTOM have agreed to fund the cost of RTG responding to the VE, if any, in the case the change is not followed through to the confirmation stage.		
33	VE	250			Rideau Mid Entrance unknown Foundations Conditions, Concrete Block (VN-74)	Risk 361 or CDA#7		TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	106,559	108,434	RAID #8022 Revised estimate received Aug 26 Funding options include paying from ISE CDA draw #7, ISE exceedance risk #261		
34	VE	251			St Laurent Pedestrian Underpass Security Enhancements	Risk Register (#318-TVA)	\$ -	\$ TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	513,614	522,654	RAID #9159 PSCA RAID#8486	\$ 240,000	

Confederation Line Variations
September 23, 2016

Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)
35	VE	253			Heat Tracing for Exterior Stairs at Lees Station	Transit Services-TBD	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #9028 PSCA RAID#8402 A VD, with a cap of \$3K, is also to be raised to allow RTG to develop the design to allow for a		
36	VE-DCE	254			O'Train temporary platform. Bumper Stop and Indusi. (VN-81)	CDA #26	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,000	82,861	84,319	RAID #8346 New estimate received, down from \$89,929		
37	VE-DCE	256			Segment. 1 - Scott Street widening - Traffic signals (VN-71)	Scott Street	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	TBD	TBD	RAID #7723 ROM \$30k		
38	VE	257			Additional Watermain - Lees Station	ISD-AMB	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	155,887	158,631	RAID #9011 PSCA #8760 *** Excavation and management of contaminated materials and groundwater is excluded from this price. \$200k-\$400k		
39	VE	258			LED lighting- Booth St and Booth St bridge	Public Works-Streetlighting	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	\$ 48,055.15	48,901	RAID #9010 PSCA #7059 Public Works agrees to cover cost differential between MH and LED lights		
40	VE	260	VD	115	Guideway Intrusion Detection System (GIDS) (VN - 84)	Risk Register (#379)	\$ -	\$ TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #8558 Almost Certain-covered in TVA Risk		
41	VE-DCE	261			University of Ottawa Asbestos Abatement (VN - 96)	CDA #17	(See VC 169)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #9147		

Confederation Line Variations
September 23, 2016

Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)
42	VE	262			TPSS #2 - Relocation of HOL service	REPDO-TBD	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #9323 PSCA 8974		
43	VE	263			Bike Lane Markings - Laurier Avenue West of Nicholas	PGM #906744 East West Bikeway C	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ 4,589.20	TBD	RAID #9308 PSCA #9192		
44	VE	264	VD	117	Telus Cellular System	Transit Services 907372 – Rail Radio Integration	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID # PSCA #8962		
45	VE	265	VD	116	406mm Dia Watermain Replacement - Rideau Street Intersection	ISD – Account 908173 – 2016 Watermain Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	TBD	TBD	RAID #9429 PSCA #9425		
46	VE	267			Condition Assessment of Existing 1220mm and 1524mm Feedermain	ESD-Account 906795	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	TBD	TBD	RAID # PSCA #9391		
47	VE-DCE	268			Archaeological Remains - 170 Queen Street (VN - 101)	Risk Register (#167)	\$ -	\$ TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	336,721	342,648	RAID #9341		
48	VE	269			Additional power feeds for new Trillium Line Platform at Bayview Station	Risk Register (#379)	\$ -	\$ TBD	\$ -	\$ -	\$ -	TBD	\$ -	\$ -	\$ -	TBD	TBD	RAID # PSCA #9677		

Confederation Line Variations
September 23, 2016

Count	VE	#	VD	#	Description	Account #	Contingency Funding	Risk Register	REPDO/RIO Budget Reallocation	Related Projects	Transit Services	ESD/ISD	PGM	Stakeholders	Total Estimated Costs	RTG Estimate (D&C works)	RTG Estimate (D&C works) plus HST	Notes	Lifecycle (operational)	Facility Management (Operational)
49	VE	270	VD	118	Bayview Station - Additional Multi-Use Pathway (MUP)	CDA #30	\$ 3,500,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000	TBD	TBD	RAID #9890 PSCA #9289		
50	VE	271			Seg. 3 - Mann Avenue Bridge	CDA #28	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000	TBD	TBD	RAID #9885		
51	VE	272	VD	119	Future Traction Power for TPSS 08	Stage 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	TBD	RAID #9815		
Total Variation Enquiries							\$ 18,495,932	\$ -	\$ 778,706	\$ 20,736,117	\$ 2,584,143	\$ 4,639,408	\$ 270,000	\$ 300,000	\$ 47,804,305	\$ 33,352,072	\$ 33,960,230		\$ 502,350	\$ 5,033,956

Confederation Line Variations
September 23, 2016

Report	3. Variation Notices			Change from previous report	Issue				
Count	VN	#	Description	Funding Source	RTG Initiated Change	RTG Claim	RTG Notice of Compensation or Delay Event	Change in Law/Standards	Notes
1	VN	52	RIO has requested that this VN be withdrawn-Future Adjacent Construction Requirements	Risk Register (#379)	√				RAID #5620
2	VN	68	RIO has requested that this VN be withdrawn-Rideau River Bridge-Extended Railing	Risk Register (#379)	√				RAID #7588
3	VN	75	Clarification of the Role of the Regulatory Working Group (RWG)	Risk Register (#379)	√				RAID #8028
4	VN	76	Rebar Bonding Strategy	Risk Register (#379)	√				RAID #8052
5	VN	77	RIO has requested that this VN be withdrawn-Contaminated Material at Tremblay Station	Risk Register (#220)		√			RAID #8065
6	VN	78	RIO has requested that this VN be withdrawn-Contaminated water -East Ring Road	Risk Register (#220)		√			RAID #8195
7	VN	79	RIO has requested that this VN be withdrawn-Riverside Overpass Lead in the girders.	Risk Register (#220)		√			RAID #8196
8	VN	82	Additional Sewer Cleaning for CCTV Inspections	Risk Register (#379)		√			RAID #8470 Agreement reached for zero-cost, net with VE-161/VE-165/VE-187/VE-256/VN-82
9	VN	83	Laser Intrusion Detection System (LIDS)	Risk Register (pending)	√				RAID #8556 Pending New Risk,
10	VN	85	Rideau Watermain Leak	Risk Register (#379)		√			RAID #8600
11	VN	86	Parliament West Entrance Forced Night Shift	Risk Register (#379)		√			RAID #8737
12	VN	88	Temporary Bus Loop Construction - Additional Costs	Risk Register (#379)		√			RAID #8834 additional work performed at OC Transpo's request at Hurdman, Bayview and Lebreton stations Almost Certain, Traffic expected to pay \$102k, difference is possible CDA
13	VN	89	Median breaks on Nicholas Street.	Risk Register (#379)		√			RAID #8932

Confederation Line Variations
September 23, 2016

Count	VN	#	Description	Funding Source	RTG Initiated Change	RTG Claim	RTG Notice of Compensation or Delay Event	Change in Law/Standards	Notes
14	VN	90	Column Site Condition Change-Lyon Station East	Risk Register (#221)		√			RAID #8943
15	VN	92	Contaminated material-Tunney's Pasture.	Risk Register (#220)		√			RAID #9014
16	VN	93	Communication cabling owned by the University of Ottawa inside of the Utilidor	Risk Register (#379)		√			RAID #8943 rejected
17	VN	94	Rideau West Obstructions	Risk Register (#361)		√			RAID #9074 possible
18	VN	95	Lyon East Changes at PdV Façade	Risk Register (#390)	√				RAID #9146
19	VN	97	New Heating Performance Requirements for DWA	Risk Register (#379)	√				RAID #9322 Could be zero, TBD on number of heaters required
20	VN	98	Lyon Station- Soil Contamination	Risk Register (#221)		√			RAID #9321
21	VN	99	RIO has requested that this VN be withdrawn Seg. 5- Relocation of the Bus Operator Building	Risk Register (#379)	√				RAID #9330
22	VN	100	Fare Control Equipment	Risk Register (#379)	√				RAID #9340
23	VN	102	Grout or Remove an Existing Abandoned 1200 Mm Pipe Crossing Guideway Segment 1	Risk Register (#172)		√			RAID #9447
24	VN	103	Cadillac Fairview Foundations	Risk Register (#361)		√			RAID #9508
25	VN	105	RIO has requested that this VN be withdrawn Seg. 1-CPR bridge	Risk Register (#379)		√			RAID #9659
26	VN	106	Variation to the Operation of the Emergency Door Release (EDR)	Risk Register (#379)	√				RAID #9694
27	VN	107	Saint Laurent Elevators	Risk Register (#379)		√			RAID #9695
28	VN	108	Rideau Street Renewal Project-Phase 3	Rideau Street scaping					RAID #9720
29	VN	109	Relocation of Utilites within Place de Ville (Lyon Station-East entrance)	Risk Register (#361)		√			RAID #9811
30	VN	113	RIO has requested that this VN be withdrawn Segment 1- Bayview Parapet Wall	Risk Register (#146)		√			RAID #9892
31	VN	114	TWSI -Change to Accessibility Standards	CDA#16		√			RAID #10013 PSCA#7404

*An estimate for VN's is contained in Risk #379

Confederation Line Variations
September 23, 2016

Report	4. Project Scope Change Authorization (PSCA)			Change from previous report	Issue		
Count	PSCA	RAID #	Description	Funding Source	City Initiated Change	Change in Law/Standards	Variation Estimate
1	PSCA	8716	Funding for TSCC modifications	Credit to Transit Services	√		\$ (200,000)
2	PSCA	8811	Relining PSPC Sewer at Tunney's Pasture	Public Services & Procurement Canada (PSPC, formerly PWGSC)	√		tbd
3	PSCA	9052	Queen Street Shelter Power Feed	Transit Services Capital account #907365 (Bus stops and shelters 2014)	√		\$ 5,000

5. Innovation Proposals						
Count	IP	#	Description	Funding Source	City's Rough Order of Magnitude	Notes
1	IP	2	HEATED PLATFORMS (SIP - 2)	TBD	TBD	RAID #6015 Revised IP report was submitted and is currently under review by CTP/RIO.

**Confederation Line Variations
September 23, 2016**

Report Date: July 11 2016	VE	VD	VC	Subject	Current Step	Funding Source for VD
Pending	63	56		VIA Station - Pickering Place Widening and D Road Connection	Complete VD process	CDA #5
Pending	63	70		VIA Station - Pickering Place Widening and D Road Connection	Complete VD process	CDA #5
Pending	164	72		Phase 2 Art Program - Architect Workshop Attendance	Project Co Estimate VD	RIO budget
Pending	174	77		Rideau Station East - BNS Wall Demolition	Complete VD process	CDA#7
Pending	87	83		Escalators to 10 Rideau Entrance and Food Court	Complete VD process	Cadillac Fairview
Pending	147	88		Transfer Stations - BRT Fit-up	Project Co Estimate VD	Transit Services
Pending	128	91		Relocation of Nicholas St Mobilization Site	Complete VD process	Cadillac Fairview
Pending	193	92		Washrooms for Bayview and Hurdman Stations	Project Co Estimate VD	CDA#18
Pending	180	95		Hydro Ottawa Civil Plant Relocation at Hurdman Station (VN - 48)	Complete VD process	Potential CDA-
Pending	193	96		Washrooms for Bayview and Hurdman Stations	Project Co Estimate VD	CDA#18
Pending	128	99		Relocation of Nicholas St Mobilization Site	Project Co Estimate VD	Cadillac Fairview
Pending	227	101		Train Operator Crew Room at Bayview Station	Complete VD process	Transit Services
Pending	132	103		Reinstatement of the Intermediate Shaft	Complete VD process	CDA#7
Pending	192	104		Queen St. Renewal - Bronson Ave. To Elgin St. Phases 2A, 1B & 2B	Complete VD process	Queen Street
Pending	242	105		Watermain Abandonment Tremblay/Belfast	Complete VD process	ISD
Pending	215	106		2017 tUME Event	Complete VD process	Potential CDA/Net Zero Cost
Pending	193	107		Washrooms for Bayview and Hurdman Stations	Complete VD process	CDA#18
Pending	244	108		Tunney's Pasture Bus Loop and Goldenrod Driveway Modification	Project Co Estimate VD	CDA #24
Pending	244	109		Tunney's Pasture Bus Loop and Goldenrod Driveway Modification	Project Co Estimate VD	CDA #24
Pending	227	110		Train Operator Crew Room at Bayview Station	Project Co Estimate VD	CDA #25
Pending	219	113		Incident Control Panel (ICP)	Complete VD process	CDA #7
Pending	247	114		Booth Street Aqueduct Retaining Wall	Complete VD process	REPDO Land Acquisition
Pending	260	115		Guideway Intrusion Detection System (GIDS) (VN - 84)	Complete VD process	Risk Register TVA
Pending	265	116		406mm Dia Watermain Replacement - Rideau Street Intersection	Complete VD process	ISD – Account 908173 – 2016 Watermain Improvements
Pending	264	117		Telus Cellular System	Complete VD process	Transit Services
Pending	270	118		Bayview Station - Additional Multi-Use Pathway (MUP)	Complete VD process	TBD for incremental costs
Pending	272	119		Future Traction Power for TPSS 08	Complete VD process	Stage 2
Closed	10	2	2	Bus Shelter Pad - West of Waller/North of Laurier	Finish	n/a
Closed	20	5	178	Discovery of Human Bones Queen Street: Cash Allowance Civic Works (VN - SEG 7 - 11)	Finish	Cash Allowance
Closed	4	1	34	Parking lot construction at 193, 200 Lees Ave.	Finish	n/a
Closed	14	4	37	West Portal Watermain Defect (VN - SEG 2 - 5)	Finish	n/a
Closed	18	8	76	Belfast Road - Accommodation of Multi-Use Pathway	Finish	n/a

**Confederation Line Variations
September 23, 2016**

Report Date: July 11 2016	VE	VD	VC	Subject	Current Step	Funding Source for VD
Closed	97	59	80	Vehicle Deadman's Handle Function - Additional Alertness Function in ATO	Finish	n/a
Closed	6	3	89	Vermiculite (asbestos) at three Belfast buildings	Finish	n/a
Closed	179	80	160	Scott Street Widening - Tactile Walking Surface Indicators (TWSI)	Finish	n/a
Closed	155	85	162	West BRT MUPs	Finish	n/a
Closed	211	100	163	Scott Street Temporary Fencing	Finish	n/a
Closed	198	93	169	University of Ottawa Tunnel (Utilidor) (VN - 65)	Finish	CDA#17
Cancelled	156	81	150	Watermain Abandonment Tremblay/Belfast	Finish	replaced with VD-105
Cancelled	190	86		Removal of Existing Bridge on East Leg of VIA Station D-Road	Finish	Approval received from M. Crofts to use CDA#5 for design costs
Cancelled	223	97		406 Dia. Watermain Works - Parliament East Station	Finish	ESD we have email-waiting for accountconfirmation

Confederation Line Variations

Note: All variations are sorted by Funding Source.

Excerpt from Schedule 22 to Project Agreement - Variation Procedure

The following definitions apply to the Variations process

i. **“Variation”** means a variation, addition, reduction, substitution, omission, modification, deletion, removal or other change to the whole or any part of the Project Scope, including in relation to the whole or any part of the Highway Work, the Works or Maintenance Services.

ii. **VN: “Variation Notice”** has the meaning given in Section 2.1(a) of Schedule 22 of Project Agreement

2.1 General

(a) Project Co shall deliver to the City a written notice (a “Project Co Variation Notice”) for each Variation proposed by Project Co.

iii. **VE: “Variation Enquiry”** has the meaning given in Section 1.3(a) of Schedule 22 of Project Agreement

1.3 Variation Enquiry

(a) If the City proposes or is obligated pursuant to the terms of this Project Agreement or Applicable Law to initiate a Variation it shall deliver to Project Co a written notice of the proposed Variation (a “Variation Enquiry”).

iv. **VD: “Variation Directive”** means a written instruction which is issued on a form designated as a “Variation Directive Form” and signed by the City Representative directing Project Co to immediately proceed with a Variation pending the finalization and issuance of a Variation Confirmation for that Variation.

v. **VC: “Variation Confirmation”** has the meaning given in Section 1.8(a)(ii) of Schedule 22 of Project Agreement

1.8 Variation Confirmation

(a)(ii) issue a written confirmation (the “Variation Confirmation”) of the Estimate, including any agreed modifications thereto or any modifications resulting for the determination of a Dispute in respect thereof, which Variation Confirmation may be subject to Project Co obtaining financing.

vi. **IP: “Innovation Proposal”** Section 39.2 of the PA

(b) If an innovation and value engineering proposal is at any time and from time to time originated and initiated solely by Project Co, Project Co may make a proposal (the “Innovation Proposal”) by notice to the City.

Confederation Line Variations

vii. DCE: Delay or Compensation Event. Delay Events defined in Section 40.1 of the PA. *“Delay Event” means any of the following events or circumstances only to the extent, in each case, that: (1) it affects the Highway Work so as to cause a delay in achieving the Highway Scheduled Substantial Completion Date; (2) it affects the Design and Construction Works so as to cause a delay in achieving a Milestone Acceptance by the relevant Scheduled Milestone Acceptance Date or in achieving Revenue Service Availability by the Required Revenue Service Availability Date or the New Required Revenue Service Availability Date, as applicable; or (3) it affects the Civic Works so as to cause a delay in achieving the Civic Works Completion Dates*

“Compensation Event” means any event referred to in Sections 40.1(a) as a direct result of which Project Co has incurred loss or expense, whether or not any of these events has also caused a delay.

viii. PSCA: Project Scope Change Authorization. PSCAs are not defined in the PA. They refer to City-initiated written notices of a proposed variation.