

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information										Independent Certifier Pricing and Comments			
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Close OLRT	Close City	IC Cost to Complete	Required Completion Date	IC Comments
BCS	Tunney's	BCS-TUST-1	Occupancy condition 1	All construction hoarding and fencing is to be removed prior to permitting general occupancy.	Escalate - Fencing required for Trial Running and to protect the stations from the public.		Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	RSA - TBD	PRE-RSA
BCS	Tunney's	BCS-TUST-3	Occupancy condition 3	All floor, halls, lobbies and required means of egress are to be free of loose materials and other hazards.			Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	RSA - TBD	PRE-RSA
BCS	Lyon	BCS-DWSU-1	Occupancy condition 1	All construction hoarding and fencing is to be removed prior to permitting general occupancy.	Escalate - Fencing required for Trial Running and to protect the stations from the public.		Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	RSA - TBD	PRE-RSA
BCS	Parliament	BCS-DESU-1	Occupancy condition 1	All construction hoarding and fencing is to be removed prior to permitting general occupancy.	Escalate - Fencing required for Trial Running and to protect the stations from the public.		Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	RSA - TBD	PRE-RSA
BCS	Blair	BCS-BLST-10	Occupancy condition 10	Construction fencing/hoarding remains in place @ pedestrian walkway/station entrances			Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	RSA - TBD	PRE-RSA
BCS	Tunney's BOB	BCS-TUST-12	Outstanding Building 1	Progress Final Inspection (2019-06-06) Permit: 1803575 1. Provide all CCLs	Work ongoing		Minor	Minor	Open	Open	\$800.00	1/22/2020	Minor
BCS	Tunney's BOB	BCS-TUST-13	Outstanding Building 2	Progress Final Inspection (2019-06-06) Permit: 1803575 2. Provide all SVRs	Work ongoing		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's BOB	BCS-TUST-14	Outstanding Building 3	Progress Final Inspection (2019-06-06) Permit: 1803575 3. Provide passed final reports from mechanical and plumbing inspectors	Work ongoing		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's BOB	BCS-TUST-15	Outstanding Mechanical 1	Progress Final Inspection (2019-06-06) Permit: 1803575 Asked RC for inspections on file	TBC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's BOB	BCS-TUST-16	Outstanding Plumbing 1	Progress Final Inspection (2019-06-06) Permit: 1803575 Need to find the inspections	Asked JB on June 19, 2019. Waiting for response		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-18	Outstanding Building 2	Progress Final Inspection (2019-05-10) Permit: 1605328 Provide SVRs for BSB. None provided to date	Sent to RC, waiting for acceptance		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-19	Outstanding Building 3	Progress Final Inspection (2019-05-10) Permit: 1605328 Have consultants confirm design and completion of signage identifying the barrier free means of egress as per B.3.8.3.1.(4)	Request comments from consultants		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-20	Outstanding Building 4	Progress Final Inspection (2019-05-10) Permit: 1605328 Doors to public bathroom groups are provided with hold open devices in lieu of power door operators. Please have EJV comment on this design. Further, these doors appear to be proposed to be left open to the elements daily throughout the year, despite being a heated room containing plumbing.	To be submitted to EJV		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-21	Outstanding Building 5	Progress Final Inspection (2019-05-10) Permit: 1605328 Provide P.Erg review of the cable trays designed to provide access to mechanical systems.	Sent to RC, waiting for acceptance		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-22	Outstanding Building 6	Progress Final Inspection (2019-05-10) Permit: 1605328 Complete finishes on artist mosaic walls	Work ongoing		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-23	Outstanding Building 7	Progress Final Inspection (2019-05-10) Permit: 1605328 Identify access points for plumbing cleanouts encased in roof column cladding	To be sent to RC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-24	Outstanding Building 8	Progress Final Inspection (2019-05-10) Permit: 1605328 Complete finishes above doors in BSB	To be completed		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-25	Outstanding Building 9	Progress Final Inspection (2019-05-10) Permit: 1605328 Exit signs not light in BSB	To be completed		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's	BCS-TUST-26	Outstanding Mechanical 1	Progress Final Inspection (2019-05-12) Permit: 1605328 BSB VI to be submitted	Work in progress		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
BCS	Tunney's Pastures	BCS-TUST-27	Outstanding Mechanical 2	Progress Final Inspection (2019-05-12) Permit: 1605328 Bus Supervisor Building (BSB) is part of this permit forms part of this report and yet the fire alarm is connected to maintenance building (MB)... Consultants to comment on how the fire alarm is to differentiate between the two (which happens to be under two separate permits)??? and should the supervisory building have a "remote annunciator" to direct the fire department as to which building is in alarm.	TBC. Asked RC on June 19 for permit clarification for MB.		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's Pastures	BCS-TUST-28	Outstanding Mechanical 3	Progress Final Inspection (2019-05-12) Permit: 1605328 All other buildings in this permit to be reinspected BSB, MB?	TBC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's Pastures	BCS-TUST-29	Outstanding Mechanical 4	Progress Final Inspection (2019-05-12) Permit: 1605328 Faregates control at 805 Belfast (MSF) to be demonstrated upon tie-in of control at MSF and TOCC, 875 Belfast: capability Prior to "FINAL"	To be demonstrated to RC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's Pastures	BCS-TUST-30	Outstanding Mechanical 5	Progress Final Inspection (2019-05-12) Permit: 1605328 Final inspection certificates of elevators and escalators to be submitted upon receipt	Ask RC if received		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's Pastures	BCS-TUST-31	Outstanding Mechanical 6	Progress Final Inspection (2019-05-12) Permit: 1605328 Clean mechanical and electrical CCLs	TBC if received		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunney's Pastures	BCS-TUST-32	Outstanding Plumbing 1	Progress Final Inspection (2019-05-12) Permit: 1605328 Need to find the inspections	Asked JB on June 19, 2019. Waiting for response		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-10	Outstanding Building 1	Progress Final Inspection (2019-05-16) Permit: 1605683 Provide final Architect sign off for station. Previous sign off was with regard to minimum 1.3.3. requirements???. This applies to all stations throughout the line	Send to RC for clarification		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-11	Outstanding Building 2	Progress Final Inspection (2019-05-16) Permit: 1605683 Provide passed mechanical final inspection	TBC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-12	Outstanding Building 3	Progress Final Inspection (2019-05-16) Permit: 1605683 Have consultants confirm design and completion of signage identifying the barrier free means of egress as per B.3.8.3.1.(4)	Request comments from consultants		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-13	Outstanding Building 4	Progress Final Inspection (2019-05-16) Permit: 1605683 4. Install permanent etching on glass. Areas required discussed on site.	Review if completed		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-14	Outstanding Building 5	Progress Final Inspection (2019-05-16) Permit: 1605683 Install permanent sign identifying the location of the barrier free ramp at the Albert St. entrance.	TBC.		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-15	Outstanding Building 6	Progress Final Inspection (2019-05-16) Permit: 1605683 Identify all hidden plumbing clean-outs.	To be sent to RC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-16	Outstanding Building 7	Progress Final Inspection (2019-05-16) Permit: 1605683 Finish sheet metal trim where missing in areas.	Flynn when sheet metal strike is over		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-17	Outstanding Building 8	Progress Final Inspection (2019-05-16) Permit: 1605683 Protect landing at north-east exit off platform level. Currently there is a steep grade incline adjacent to landing	Fence to be installed		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-18	Outstanding Building 9	Progress Final Inspection (2019-05-16) Permit: 1605683 Install markings identifying the slab edge of the air conditioner pad at the south side of concourse.	Review if completed		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-19	Outstanding Mechanical 1	Progress Final Inspection (2019-05-12) Permit: 1605683 Faregates control at 805 Belfast (MSF) to be demonstrated upon tie-in of control at MSF and TOCC, 875 Belfast: capability Prior to "FINAL"	To be demonstrated to RC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor

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BCS	Bayview	BCS-BAST-20	Outstanding Mechanical 2	Progress Final Inspection (2019-05-12) Permit: 1605683 Final inspection certificates of elevators and escalators to be submitted upon receipt	Ask RC if received		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-21	Outstanding Mechanical 3	Progress Final Inspection (2019-05-12) Permit: 1605683 Once all items have been removed, clean CCL's from mechanical and electrical engineers to be resubmitted due to the fact that we still have outstanding items on this report	TBC if received		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-22	Outstanding Plumbing 1	Progress Final Inspection (2019-05-12) Permit: 1605683 Need to find the inspections	Asked JB on June 19, 2019. Waiting for response		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Pimisi	BCS-LBST-11	Outstanding Building 1	Progress Final Inspection (2019-06-14) Permit: 1601842 1. Provide confirmation of final passed mechanical final inspection.	See Outstanding Mechanical below		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Pimisi	BCS-LBST-15	Outstanding Building 5	Progress Final Inspection (2019-06-14) Permit: 1601842 5. Provide confirmation of the location of plumbing cleanouts which appear concealed in cladding systems.	To be sent to RC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Pimisi	BCS-LBST-16	Outstanding Mechanical 1	Progress Final Inspection (2019-05-12) Permit: 1601842 Faregates control at 805 Belfast (MSF) to be demonstrated upon tie-in of control at MSF and TOCC, 875 Belfast: capability Prior to "FINAL"	To be demonstrated to RC		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Pimisi	BCS-LBST-17	Outstanding Mechanical 2	Progress Final Inspection (2019-05-12) Permit: 1601842 Final inspection certificates of elevators and escalators to be submitted upon receipt	Ask RC if received		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Pimisi	BCS-LBST-18	Outstanding Mechanical 3	Progress Final Inspection (2019 05 12) Permit: 1601842 Once all items have been removed, clean CCL's from mechanical and electrical engineers to be resubmitted due to the fact that we still have outstanding items on this report	TBC if received		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-4	Outstanding Building 1	Progress Final Inspection (2019-06-28) Permit: 1600983 1. Complete requirements of BP 1408940 (L-Wall permit)			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-5	Outstanding Building 2	Progress Final Inspection (2019-06-28) Permit: 1600983 2. Provide confirmation of final passed plumbing final inspection			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-6	Outstanding Building 3	Progress Final Inspection (2019-06-28) Permit: 1600983 3. Have consultants confirm design and completion of signage identifying the barrier free means of egress as per B.3.8.3.1 (4).			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-7	Outstanding Building 4	Progress Final Inspection (2019-06-28) Permit: 1600983 4. Horizontal access panels have been temporarily drywalled over on concourse level (x3) and sub-platform (x2). Arrange for inspection once proper access panels installed.			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-8	Outstanding Building 5	Progress Final Inspection (2019-06-28) Permit: 1600983 5. Water ingress monitoring to be continued, final acceptance letter from consultants required.			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-9	Outstanding Building 6	Progress Final Inspection (2019-06-28) Permit: 1600983 6. Provide final Architectural sign off letter			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-10	Outstanding Mechanical 1	Progress Final Inspection (2019-06-28) Permit: 1600983 7. Sign off acceptance from OLRT, RTM and Owner for the installation and maintenance of all fire dampers prior to final sign off.			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor

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BCS	Lyon	BCS-DWSU-11	Outstanding Mechanica 2	Progress Final Inspection (2019-06-28) Permit: 1600983 8. Final sign off acceptance from OLRT, RTM, and Owner for the installation and maintenance and intelligibility of all "Etels" prior to final sign off from BCS to be submitted			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lyon	BCS-DWSU-12	Outstanding Mechanical 3	Progress Final Inspection (2019-06-28) Permit: 1600983 9. Provide FINAL clean CCLs from Mechanical and Electrical Engineers			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Lees	BCS-LEST-10	Outstanding Building 1	Progress Final Inspection (2019-06-27) Permit: 1603002 1. Architect & P. Eng (Mech & Elec) clean/final letters of general review (CCLs) are required to close out the building permit - These letters are required to be free of deficiencies and be dated to reflect the closure of all outstanding items previously noted			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	uOttawa	BCS-CMST-8	Outstanding Building 1	Progress Final Inspection (2019-06-27) Permit: 1601877 1. South Exit Corridor 01-113 surface re-finishing underway (re: surface drainage slope correction)			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	uOttawa	BCS-CMST-9	Outstanding Building 2	Progress Final Inspection (2019-06-27) Permit: 1601877 2. North underground station entrance flashing surrounding TIPP not yet in place - Union mechanical contractor strike currently underway preventing this work from being completed - Discussed temporary closure required to be in place in order to close out building permit whereby this item could become a maintenance item that the mechanical contractor could come in after the strike is resolved and perform the required finishing work after building permit closure			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	uOttawa	BCS-CMST-10	Outstanding Building 3	Progress Final Inspection (2019-06-27) Permit: 1601877 3. Architect & P. Eng (Mech & Elec) clean/final letters of general review (CCLs) are required to close out the building permit - These letters are required to be free of deficiencies and be dated to reflect the closure of all outstanding items previously noted			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
BCS	Tunneys	BCS-TUST-6	Occupancy condition 6	Occupancy is not granted for the Bus Supervisor Building			Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
BCS	Blair	BCS-BLST-6	Occupancy condition 6	A final inspection is to be arranged for any/all outstanding non-occupancy related deficiencies in each discipline (Building, Mechanical &/or Plumbing, as required)	Since this is non-occupancy item should be considered minor and closed since occupancy has been achieved		Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
BCS	St Laurent	BCS-SLSU-10	Occupancy condition 10	A clean Architectural CCL is required to be provided in order to close out this building permit			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
BCS	Bayview	BCS-RAST-6	Occupancy condition 6	Provide passed mechanical final inspection			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
BCS	Bayview	BCS-BAST-8	Occupancy condition 8	Have consultants confirm design and completion of signage identifying the barrier free means of egress as per B.3.8.3.1.(4)			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA

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BCS	Blair	BCS-BLST-11	Occupancy condition 11	Doors to public bathroom groups are provided with hold open devices in lieu of power door operators. Further, these doors appear to be proposed to be left open to the elements daily throughout the year, despite being a heated room containing plumbing. EJV to provide comments			Pre-RSA	Pre-RSA	Open	Open	\$225.00	RSA - TBD	PRE-RSA
BCS	Blair	BCS-BLST-12	Occupancy condition 12	A clean Architectural CCT. is required to be provided prior to this building permit being able to be closed			Pre-RSA	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
BCS	Pimisi	BCS-LBST-6	Occupancy condition 6	Provide confirmation of final passed mechanical final inspection			Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
BCS	Pimisi	BCS-LBST-9	Occupancy condition 9	Temporary guard installed adjacent to north elevator at west concourse. Confirm once permanent guards are in place.			Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
BCS	Pimisi	BCS-LBST-10	Occupancy condition 10	Please have consultants confirm the design and installation of signage identifying the barrier free means of egress as per B.3.8.3.1.(4)			Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
BCS	Pimisi	BCS-LBST-5	Occupancy condition 5	Final inspection to be arranged for. Outstanding non-occupancy (C.1.3.3.) related items to be re-inspected.	Since this is non-occupancy item should be considered minor		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	Bayview	BCS-BAST-5	Occupancy condition 5	Final inspection to be arranged for. Outstanding non-occupancy (C.1.3.3.) related items to be re-inspected.	Since this is non-occupancy item should be considered minor		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	uOttawa	BCS-CMST-5	Occupancy condition 5	A final inspection is to be arranged for any/all outstanding non-occupancy related deficiencies in each discipline (Building, Mechanical &/or Plumbing, as required)	Since this is non-occupancy item should be considered minor		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	Lees	BCS-LEST-5	Occupancy condition 5	A final inspection is to be arranged for any/all outstanding non-occupancy related deficiencies in each discipline (Building, Mechanical &/or Plumbing, as required)	Since this is non-occupancy item should be considered minor		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	Hurdman	BCS-HUST-5	Occupancy condition 5	A final inspection is to be arranged for any/all outstanding non-occupancy related deficiencies in each discipline (Building, Mechanical &/or Plumbing, as required)	Since this is non-occupancy item should be considered minor		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	Tremblay	BCS-TRST-5	Occupancy condition 5	A final inspection is to be arranged for any/all outstanding non-occupancy related deficiencies in each discipline (Building, Mechanical &/or Plumbing, as required)	Since this is non-occupancy item should be considered minor and closed since occupancy has been achieved		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	Cyrville	BCS-CYST-5	Occupancy condition 5	A final inspection is to be arranged for any/all outstanding non-occupancy related deficiencies in each discipline (Building, Mechanical &/or Plumbing, as required)	Since this is non-occupancy item should be considered minor and closed since occupancy has been achieved		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
BCS	Rideau	BCS-RISU-4	Occupancy Condition 4	Any subsequent water leakage which presents itself throughout the station as exceeding Hatch's "minor post-construction water infiltration" to be effectively sealed in a timely manner such that an unsafe condition is not present for any station occupant			Pre-RSA	Pre-RSA	Open	Open	\$125,000.00	RSA - TBD	PRE-RSA

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BCS	Rideau	BCS-RISU-13	Occupancy Condition 13	OLRT stations identifies the station meets OBC requirements for occupancy re: Div C 1.3.3.1.; The OLRT system requires additional verification/process to be satisfied (OFS, TSSA, etc.) prior to being able to open for public (revenue service date), and as such, items such as, but not limited to, the temporary trailer at the East entrance, construction fencing (East entrance & platforms), temporary signage @ elevator(s), site cleanliness (presence of construction material, tools, tarps, etc.), etc. may be present for an occupancy permit to be issued conditional on all of these temporary items being resolved prior to the station opening for revenue service (i.e. prior to public access to the station)			Pre-RSA	Pre-RSA	Open	Open	\$3,500.00	RSA - TBD	PRE-RSA
BCS	Rideau	BCS-RISU-14	Occupancy Condition 14	East Entrance - Any subsequent water leakage which presents itself throughout the station as exceeding Hatch's "minor post-construction water infiltration" to be effectively sealed in a timely manner such that an unsafe condition is not present for any station occupant			Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
CCL	REJ-OLR-53-1-CCL-0221 RI	CCL-218	Communication Systems - TTS# 1 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0010	Linked to COMMS deficiencies		Minor		Open		\$43,100.00	1/22/2020	Minor
CCL	REJ-OLR-78-2-CCL-0198	CCL-52	East Portal Design - Landscape - IFC	No hardscape or softscape elements were evident or installed at time of inspection, subject to pending VE (Variation Enquiry).			Minor		Open		\$10,500.00	1/22/2020	Minor
CCL	REJ-OLR-20-5-CCL-0187	CCL-35	Guideway - Segment 5 - Roadway (Blair Bus Loop)	Top lift of roadway asphalt not placed			Minor		Open		\$9,500.00	1/22/2020	Minor
CCL	REJ-OLR-48-2-CCL-0170	CCL-246	Parliament Station - IFC UDL Design (Urban Design Landscape)	Five (5) bike rings in the bike shelters along the south side of Queen St,			Minor		Open		\$5,000.00	1/22/2020	Minor
CCL	REJ-OLR-20-3-CCL-0188	CCL-26	Guideway - Segment 3 - Roadway (Hurdman Bus Loop)	Final line painting and signage is incomplete			Minor		Open		\$2,000.00	1/22/2020	Minor
CCL	REJ-OLR-20-5-CCL-0187	CCL-38	Guideway - Segment 5 - Roadway (Blair Bus Loop)	Final line painting and signage is not placed.			Minor		Open		\$2,000.00	1/22/2020	Minor
CCL	REJ-OLR-48-1-CCL-0199	CCL-56	Tunney's Pasture Station - IFC UDL (Urban Design Landscape)	Dry stack wall was observed to have large gaps in between stones, concern of stability;			Minor		Open		\$2,000.00	1/22/2020	Minor
CCL	REJ-OLR-22-0-CCL-0177	CCL-43	Trackwork Installation - System-Wide	Segment 1 - 2) Drainage issues still remain at Tunney's crossover and isolates sections of the DF guideway			Minor		Open		\$1,000.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
CCL	REF-OLR-20-4-CCL-0161	CCL-203	MSF Connector Design - Civil - Belfast and Tremblay Road Reconstruction - IFC	Minor fence damage on top of concrete barrier on the east side of Belfast.			Minor		Open		\$1,000.00	1/22/2020	Minor
CCL	REF-OLR-20-5-CCL-0187	CCL-41	Guideway - Segment 5 - Roadway (Blair Bus Loop)	All areas east of 1+660 are operating in temporary condition and are not final.			Minor		Open		\$500.00	1/22/2020	Minor
CCL	REF-OLR-48-2-CCL-0170	CCL-245	Parliament Station - IFC UDL Design (Urban Design Landscape)	One (1) waste receptacle at the SW corner of Queen St and O'Connor St.			Minor		Open		\$500.00	1/22/2020	Minor
CCL	REF-OLR-48-2-CCL-0170	CCL-247	Parliament Station - IFC UDL Design (Urban Design Landscape)	One (1) bench at the NW corner of Queen St and O'Connor St.			Minor		Open		\$500.00	1/22/2020	Minor
CCL	REF-OLR-48-2-CCL-0171	CCL-248	Lyon Station - IFC UDL Design (Urban Design Landscape)	One (1) waste receptacle top cover located south of the SW corner of Queen St and Lyon St.			Minor		Open		\$500.00	1/22/2020	Minor
CCL	REF-OLR-48-2-CCL-0171	CCL-249	Lyon Station - IFC UDL Design (Urban Design Landscape)	One (1) bike shelter at the NE corner of Queen St and Lyon St.			Minor		Open		\$500.00	1/22/2020	Minor
CCL	REF-OLR-48-2-CCL-0171	CCL-250	Lyon Station - IFC UDL Design (Urban Design Landscape)	One (1) bike ring to the east of the East Station Entrance.			Minor		Open		\$500.00	1/22/2020	Minor
CCL	REF-OLR-51-4-CCL-0116	CCL-195	Structure #12 - MSF Connector CN Underpass - Guideway Standpipe System - IFC	Test Certificates			Minor		Open		\$50.00	1/22/2020	Minor
CCL	REF-OLR-56-0-CCL-0250	CCL-214	PS&D - Guideway Grounding and Bonding	The tunnel pullbox cover fire barrier intumescent material (3M Brand face) needs to be installed facing the inside of the pullbox to function correctly.			Minor		Open		\$0.00	1/22/2020	Minor
CCL	REF-OLR-53-1-CCL-0222 R1	CCL-219	Communication Systems - TPSS # 2 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0011	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REF-OLR-53-3-CCL-0223 R1	CCL-220	Communication Systems - TPSS # 4 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0012	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REF-OLR-53-3-CCL-0224 R1	CCL-221	Communication Systems - TPSS # 5 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0013	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REF-OLR-53-4-CCL-0225 R1	CCL-222	Communication Systems - TPSS # 9 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0014	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
CCL	REJ-OLR-53-4-CCL-0226 R1	CCL-223	Communication Systems - TPSS # 6 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0015	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-5-CCL-0227 R1	CCL-224	Communication Systems - TPSS # 7 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0016	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-5-CCL-0228 R1	CCL-225	Communication Systems - TPSS # 8 - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0017	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-1-CCL-0229 R1	CCL-226	Communications and Signals - Tunney's Pasture Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0018	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-1-CCL-0230 R1	CCL-227	Communications and Signals - Bayview Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0019	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-1-CCL-0231 R1	CCL-228	Communications and Signals - Pimisi Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0020	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-3-CCL-0232 R1	CCL-229	Communications and Signals - uOttawa Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0021	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-3-CCL-0233 R1	CCL-230	Communications and Signals - Lees Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0022	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-4-CCL-0234 R1	CCL-231	Communications and Signals - Tremblay Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0023	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-3-CCL-0235 R1	CCL-232	Communications and Signals - Hurdman Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0024	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-5-CCL-0236 R1	CCL-233	Communications and Signals - St. Laurent Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0025	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
CCL	REJ-OLR-53-5-CCL-0237 R1	CCL-234	Communications and Signals - Cyrville Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0026	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-5-CCL-0238 R1	CCL-235	Communications and Signals - Blair Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0027	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-2-CCL-0239 R1	CCL-236	Communications and Signals - Lyon Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0028	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-2-CCL-0240 R1	CCL-237	Communications and Signals - Parliament Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0029	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-2-CCL-0241 R1	CCL-238	Communications and Signals - Rideau Station - IFC	Reference to General deficiency list: RES-53-0-0000-REG-0030	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-4-CCL-0242 R1	CCL-239	Communications and Signals - MSF - IFC	Reference to deficiency list RES-53-0-0000-REG-0010	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-53-0-CCL-0243 R1	CCL-240	Communications and Signals - general system wide - IFC	Reference to deficiency list RES-53-0-0000-REG-0010	Linked to COMMS deficiencies		Minor		Open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-52-2-CCL-0167	CCL-241	TVS - Mechanical -Tunnel - IFC	Vents shafts were not lined with acoustic insulation per the IFC drawings, however, the acoustic criteria of NFPA130 (2010) was met in all stations for the TVS			Minor		open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR-52-2-CCL-0167	CCL-242	TVS - Mechanical - Tunnel - IFC	Per REJ-52-2-DESU-MEM-0337, following the completion of the Parliament ceiling installation, spot airflow measurements to be taken to reconfirm the TVS performance. Adjustments to be made to the system as required.			Minor		open		\$0.00	1/22/2020	Minor
CCL	REJ-OLR 56-0-CCL-0251	CCL-244	TVS - Electrical - Segment 2 UCS - IFC				Minor		Open		\$0.00	1/22/2020	Minor
City Pl. (FF)	Civil	DS0011	Rideau Street - Utilities (Water main, Sanitary, Storm, and any others)	Utilities upgrading (West of pedestrian bridge)		new	Minor	Minor	Open	Open	\$1,100,000.00	1/22/2020	Minor

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Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (FF)	Tunney	Tu2	Scot Street Frontage	Scott Street Frontage - Final Design: As discussed with OLRTC, final design is to be implemented after RSA			Minor	Pre-RSA	Open	Open	\$400,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	D90013	Nicholas Street BRT detour removal	-Removal of Solid line and diamonds at RS -Remove bus lanes signs and other redundant non-regulatory signage NB and SB -Upgrade Traffic signals at Nicholas and Laurier - N1204 Underground -Removal of Existing Wooden Pole and span wires signals -Construction of Waller SB access to Nicholas NB -Middle median break (Relocation and replacement of median curb at uOttawa Station) -Removal of redundant non-regulatory signage SB (bus, tapers, etc.) -Restore median curbs and sidewalk as per EJV design on Nicholas north of Laurier & fence Removal -Re-open the NBRT lane		new	Minor	Minor	Open	Open	\$75,000.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu13	BOB	BOB Completion: 1) Exterior Cladding 2) Interior Finishes 3) Roof leaking at SW corner of room (ceiling panel and paint on window damaged) 4) Comms work (CCTV, Access Control, etc.)	May 23rd to complete		Pre-RSA	Pre-RSA	Open	Open	\$65,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Ht90	Bikes	Bikes --> Both sets of stairs at the fare west of the station are missing the bike trough (bike runnels). This is particularly of concern because these stairs are the closest access to the westbound designated bike boarding doors of the train.	OLRT to review new city comment.	Per PA requirements - Schedule 15-2 Part 5 Article 2.4 (b) (j) C. v. Not completed. This remains Pre-RSA	Minor	Pre-RSA	Open	Open	\$35,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Ht214	Landscaping	Landscaping not as per IFC south of station at end of Bus Platform intersect with end of paid/unpaid fence and crosswalk. Concrete and asphalt in lieu of plantings. Tubular fence not as per IFC. Refer to Hu 20 for fence sightline issue.	HU 20, and HU 187 are all duplicates. Condense to HU 1214 with all specific locations	New item	Minor	Pre-RSA	Open	Open	\$30,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Trackwork	AS0014	concrete sealer	Where previous tunnel leakage. Concrete Sealer still needs to be applied at floating slab	That's not Guideway		Minor	Minor	Open	Open	\$15,500.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0007	Landscaping work	Area between Nicholas Ramp and Mann Av Bridge. Remove road structural pavement at the detour (Albert St. to south of open aqueduct) and reinstate area to pre-construction state		new	Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
City PL (FF)	Civil	D90032	Preston Street Detour	Supervisor Building Completion: 1) Interior finishes 2) Comms work (CCTV, Access Control, etc.)	All complete bus comms due to dispute between LRT & OCT		Pre-RSA	Pre-RSA	Open	Open	\$12,500.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sw026	O-Lanterns	(170) Lanterns not fully complete. O branding not installed			Minor	Pre-RSA	Open	Open	\$12,500.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	D90027	-Landscaping	Mann Ave		new	Minor	Minor	Open	Open	\$12,500.00	1/22/2020	Minor
City PL (FF)	Civil	D90031	Booth Street Sidewalks (cycling lane project)	Cycling lane thermoplastic coatings are coming off for both NB and SB lanes. Repair damage coating that is present.		new	Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
City PL (FF)	Rideau	RID-083	Station elements	Ceramic floor tiles slippery. Safety issue. Confirm slip co-efficient	Use as-is. Tiles are compliant	on-going, reviewing slip report	Pre-RSA	Pre-RSA	Open	Open	\$12,000.00	RSA - TBD	PRE-RSA

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Close OLRT	Close City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (FF)	Bayview	Ba134	Trillium Platform	Relocation of existing shelter		Relocation of 1 shelter from existing temporary trillium platform to new platform	Minor	Pre-RSA	Open	Open	\$8,250.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL74	Bus Operator's Building	finish grading along north and west areas to be completed, including soft landscaping around building to be completed (trees / sod / shrubs)	OLRT to Review		minor	minor	Open	Open	\$8,250.00	1/22/2020	Minor
City PL (FF)	Civil	DS0001		-Remove wood poles -Minor asphalt repairs westbound curb lane of Scott Street following BRT detour removal.		new	Minor	Minor	Open	Open	\$8,250.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu12	Landscaping	Landscaping - Bench Installations (Wood backrests and Armrests on Exterior Plaza Benches), Plaza Lighting, Etc.	43585		Minor	Pre-RSA	Open	Open	\$10,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR114	Landscaping	concrete benches in plaza missing wood slats and armrests			Pre-RSA	Pre-RSA	Open	Open	\$10,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu228	Cotling Grille	Faint missing on Steel Support, each side of coiling grille axis. Visible when coiling grille is closed.		New item	Minor	Minor	Open	Open	\$6,000.00	1/22/2020	Minor
City PL (FF)	Tunney uOttawa	Tu15	Maintenance Building	Maintenance Building Completion: 1) Comms work (CCTV, Access Control, etc.) 2) Exterior Cladding 3) Interior Finishes	All complete but comms due to dispute between OLRT & OCT		Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO21	Furnishing	Missing Wood on Plaza benches	Work on going		Minor	Minor	Open	Open	\$5,000.00	1/22/2020	Minor
City PL (FF)	Blair	BL72	Landscaping	soft landscaping at mall plaza / bike parking area to be completed (shrubs and trees)	OLRT to review (proposing use as-is)	Landscaping required by IFC's. Unfinished areas are tripping hazards. Curbed areas to be infilled per landscape design (topsoil backfill, 4 sugar maples and shrubbery)	minor	minor	Open	Open	\$6,000.00	1/22/2020	Minor
City PL (FF)	Blair	BL193	Bus Loop Island	landscaping to be completed per IFC's and agreed variation VE-347 and VD-162 - topsoil infill and sod			minor	Minor	Open	Open	\$6,000.00	1/22/2020	Minor
City PL (FF)	Civil	DS0024		Lot K (U of O)		new	Minor	Minor	Open	Open	\$5,500.00	1/22/2020	Minor
City PL (FF)	Blair	BL71	Landscaping	finish grading at mall plaza gap between bike parking concrete pad and chainlink fence (south-east area) to be completed (trip / fall hazard)	Thunderbolt		Minor	Pre-RSA	Open	Open	\$7,500.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO15	Drainage / grade (PUP)	Deficient drainage in pedestrian underpass (PUP)	OLRT to review with Bellai	Will need constant salting. That will contribute to premature degradation of infrastructure. Recommend to accept as is but keep open to cost item and until confirmed this is on RTM list. Keep open until OLRTC add this to RTM list	Minor	Minor	Open	Open	\$7,500.00	1/22/2020	Minor
City PL (FF)	Civil	DS0018		-Remove pavement markings for Highway 417 ramp -Reconfiguration of Guideway Access and sidewalk (former Transitway access ramp) -Construct a depressed sidewalk across the former Transitway ramp as shown in the plan			Minor	Minor	Open	Open	\$1,250.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0002		Ductbank from West Portal to RTOM at Commissioner St	CSST is on the way.		Minor	Minor	Open	Open	\$3,200.00	1/22/2020	Minor
City PL (FF)	Civil	DS0016		-Restore MUP to Lees Station/UofO -Restore MUP between uOttawa and Laurier -Removal of temp MUP at Hurcman	MUP network	new	Minor	Minor	Open	Open	\$4,400.00	1/22/2020	Minor
City PL (FF)	Civil	DS0019		-Landscaping -Removal of Trailer and power supply -Block off the access/egress to the layby with TC54s -Ensure illumination is left in working order		new	Minor	Minor	Open	Open	\$4,500.00	1/22/2020	Minor
City PL (FF)	Civil	DS0025		East BRT Detour Removal Gloucester Mall		new	Minor	Minor	Open	Open	\$3,000.00	1/22/2020	Minor

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City PL (FF)	Civil	DS0026	demolition of temporary platform	Bayview Trillium platform		new	Minor	Minor	Open	Open	\$4,000.00	1/22/2020	Minor
City PL (FF)	Civil	DS0034	West BRT Detour Removal – Albert (just west of City Centre to Brickhill)	Along Albert Street for the High Pressure Transmission Main (Watermain) there are 5 anode test stations missing/removed by the OLRT when the BRT lanes were moved. These test stations will need to be reinstated. The locations are as follows: -2 test stations are by vicinity of Booth/Albert -1 in Comissionaire/Albert -2 in Preston/Albert		Item outstanding	Minor	Minor	Open	Open	\$4,500.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu1	Holland Sidewalk	Holland Sidewalk Repair: As agreed with OLRTC, to be addressed after RSA			Minor	Pre-RSA	Open	Open	\$3,500.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba70	Lighting	Temporary overhead lighting installed by all elevator doors	C&M to suspend with Air craft cables	Outstanding item	minor	Minor	Open	Open	\$4,500.00	1/22/2020	Minor
City PL (FF)	uOttawa	u05	Cleanup elevators	Top of Elevator cabs needs to be cleaned	More infirmation needed - City to provide.	Looking to top of cab, from above, through glass at platform level. See OTC picture u05	Minor	Minor	Open	Open	\$2,500.00	1/22/2020	Minor
City PL (FF)	Lees	Lees011	Landscaping - Furnishing	Landscaping north of Plaza & wood on top of benches in Plaza not completed			Minor	Minor	Open	Open	\$3,500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu148	Station elements miscellaneous	Station elements --> Throughout the station there are many location which have cracks in the concrete (floor and ceiling). Several of the ceiling cracks also show signs of efflorescence - is this acceptable per the PA?	This is not PRE-RSA, this is a minor def. Repairs to start April 22nd at Blair		Minor	Minor	Open	Open	\$4,000.00	1/22/2020	Minor
City PL (FF)	St_Laurent	SL74	Station Elements Miscellaneous	Many locations with efflorescence and significant salt water evident on the surface of walls, ceilings and public art.	Existing leaks		Minor	Pre-RSA	Open	Open	\$4,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL38	Exsting south tower	Exterior grading at east exit doors to be backfilled and reinstated (temporary supporting structure to be removed)	Must be post-RSA as pedestrian access has to be maintained. To be reassessed as Minor	Pedestrian overpass will be operational for RSA. therefore, City Criticality changed from Pre-RSA to Minor	Minor	Minor	Open	Open	\$2,750.00	1/22/2020	Minor
City PL (FF)	Civil	DS0007	-Removal of Longitudinal bus lane lines and diamonds -Repaint final Longitudinal lines -Adjust regulatory signage to final conditions -Removal of Chain link Fences	West BRT Detour Removal – Albert (just west of City Centre to Brickhill)		new	Minor	Minor	Open	Open	\$2,750.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu144	Backfilling behind BOB	Backfill the area behind maintenance building and BOB.	To review		Minor	Minor	open	Open	\$2,750.00	1/22/2020	Minor
City PL (FF)	Bayview	Ba137	Station elements miscellaneous	Based in lighting report OLR-45-1-BAST-SVR-0001_0 BAYVIEW NORMAL LIGHTING SITE VISIT REPORT.PDF some of the areas in the fare vending machines, east plaza handicap ramp, and edge of platform do not meet the minimum LUX levels	OLRT to review new City comment	Update description Based in lighting report OLR-45-1-BAST-SVR-0001_0 BAYVIEW NORMAL LIGHTING SITE VISIT REPORT.PDF some of the areas in the fare vending machines, east plaza handicap ramp, and edge of platform do not meet the minimum LUX levels	Pre-RSA	Pre-RSA	Open	Open	\$2,750.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	Pi109	Station elements miscellaneous	Station Lighting levels (Including exterior areas) - both day and night	Reports being reviewed, no issues	based in lighting report OLR-45-1-LBST-SVR-0001_0 PIMISI NORMAL LIGHTING SITE VISIT REPORTrev2.PDF some of the areas in the lower concourse fare vending machines, maintenance stairs, and edge of platform do not meet the minimum LUX levels	Minor	Pre-RSA	Open	Open	\$2,750.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
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City PL (FF)	Parliament	PAR-107	Station Elements Miscellaneous	Station elements -> Platform level - WB -> east end emergency exit stairs. Has a double door, but only the right hand side door of the two doors has an opener on it; the left hand side door is locked closed - to unlock the door you need to open the right door, and then pull down the bold type lock from the top side edge of the left hand side door. Q-> does this meet code? Shouldn't both doors open into the stairwell for emergency egress?	OLRT to complete. Change to minor, the doors can be removed until delivery on new doors to meet occupancy requirements. This item it is not in BCS occupancy report	Not completed as of June 04, 2019	Pre-RSA	Pre-RSA	Open	Open	\$3,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY117	Accessibility	Heating controls (station wide) - Signage for heating controls is not provided in Braille and raised text.	Installed as per IFC drawings. Code consultant to review - is this necessary	Per accessibility requirements Not completed	Minor	Pre-RSA	Open	Open	\$2,600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu157	Bus Loop - NE Corner of Platform	TWSIs for the emergency egress to Yarrow driveway should extend for the full width of the exterior path of travel. There are currently gaps with no TWSI on the south side (i.e. not all the way to the curb).	ET: To be repaired		Minor	Pre-RSA	Open	Open	\$2,750.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO191	Communication room	Floor paint scatched large areas.		New item	Minor	Minor	Open	Open	\$3,000.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO192	Landscaping	Success of plantings in planters, sod & hydroseed areas. To be reviewed and addressed.		New item	Minor	Minor	Open	Open	\$3,000.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO193	Concrete finishes	WB Platform, vertical support wall south of station main entrance (GL 8 to GL 14)- View from plaza and Marion building. Wall finish need upgrade; resurfacing concrete/sack rub or other.		New item	Minor	Minor	Open	Open	\$3,000.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu237	Landscaping	Success of plantings north and south of station (VS IFC) complete review required. Need of immediate maintenance.		New item	Minor	Minor	Open	Open	\$3,500.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0003	Landscaping work	Bayview Stn to West Portal			Minor	Minor	Open	Open	\$3,000.00	1/22/2020	Minor
City PL (FF)	St-Laurent	SW117	C3 & C4	[152] The elevator directories at the level 2 refurbished elevators state level 3,2. The elevator directories should indicate level 3,2,1. The same problem is repeated at level 3 directories. They too need changing from levels 3,2 to 3,2,1. [153] The refurbished elevators (both sides) at platform level have no signage at all. These also require directories and including level 3,2,1			Minor	Pre-RSA	Open	Open	\$2,100.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	DS0003		-Revise pavement markings and signs -Crosswalk reinstatements	Tunney's Pasture and Yarrow Driveways/Scott Street	new	Minor	Minor	Open	Open	\$2,100.00	1/22/2020	Minor
City PL (FF)	Civil	DS0004		-Removal of temp traffic signal poles -Remove pavement markings for crosswalk -Restore the south curb	Merton Street signals removal/access closure	new	Minor	Minor	Open	Open	\$2,100.00	1/22/2020	Minor
City PL (FF)	Civil	DS0009		-Reconfigure intersection and install pavement markings	Commissioner and Wellington Intersection	new	Minor	Minor	Open	Open	\$2,100.00	1/22/2020	Minor
City PL (FF)	Civil	DS0022		-Reconfigure Fence as required	Cyrville Work Site	new	Minor	Minor	Open	Open	\$2,100.00	1/22/2020	Minor
City PL (FF)	Civil	DS0028		-retaining wall near 90 U residence	U of O	new	Minor	Minor	Open	Open	\$2,100.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu212	Roof leak	Roof leak at skylight/roof junction EB platform at Grid line '10'		New item	Minor	Pre-RSA	Open	Open	\$2,100.00	1/22/2020	Minor
City PL (FF)	St-Laurent	SL125	Art	Art Panels adjacent to north platform to be cleaned inside and outside as required and repairs made to damaged art.	OLRT require information for cleaning as per artist direction and the potential removal of the plexy glass	Artwork repair and cleanup required. OLRTC to fix leak	Minor	Pre-RSA	Open	Open	\$2,100.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL204	Bus Loop	Damaged platform surface (example at Shelter 7/8; N-W platform, N-E platform)		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$3,000.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (FF)	Civil			Missing 2 anode tests stations with respect to the Low Pressure Transmission Main (LPTM) at the first valve chamber West of the Aqueduct, there were two test stations one connected on the C-301 side towards the Aqueduct and one on the Steel watermain side heading west. These test stations need to be reinstated and connection of the anode bank header wire back to the watermain to allow for the cathodic protection.		Item outstanding	Minor	Minor	Open	Open	\$2,500.00	1/22/2020	Minor
City PL (FF)	Blair	BL190	Art	Art cables require adjustment and fastening where detached			minor	Pre-RSA	Open	Open	\$2,250.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba3	Water infiltration	East Bound Platform - Column (east end) leaking Close to Designated Waiting Area	OLRT to determine required action	Outstanding item	Pre-RSA	Pre-RSA	Open	Open	\$2,500.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba129	Art	Cascade Art paint deficiency	Paint on order	Outstanding item	Minor	Pre-RSA	Open	Open	\$3,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	Pi10	Guideway	Missing frit pattern missing from full height glazing panels to hide floor slab	spring - flynn glazing	Outstanding Item	Minor	Minor	Open	Open	\$2,000.00	1/22/2020	Minor
City PL (FF)	Lees	Lees091	Station elements miscellaneous	Top corner of Maintenance building unfinished (South exterior)			Minor	Minor	Open	Open	\$1,550.00	1/22/2020	Minor
City PL (FF)	Lees	Lees122	Paint touch-ups	Multiple areas throughout station	Ongoing	New item	Minor	Minor	Open	Open	\$1,550.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu52	Paint touch-ups	Multiple areas throughout station			Minor	Minor	Open	Open	\$1,550.00	1/22/2020	Minor
City PL (FF)	Civil	DS0005	-Remove wood poles -Adjust non-regulatory signage to final conditions	West BRT Detour Removal - Albert (Bayview to City Centre)		new					\$1,550.00	1/22/2020	Minor
City PL (FF)	Lees	Lees028	General Cleanup	Cleanup of all finishes (panels, glazing, elevator and windscreens glass..)	Final cleaning	Not completed	Pre-RSA	Pre-RSA	Open	Open	\$1,550.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	PAR-067	Accessibility	Level 2 - E-tel/I-tel mounted too high - nearly 1300mm to I-tel control at location adjacent to ticket machines.	OLRT to review new comment. COADS requirement button at 1200mm max from floor finish. The emergency phone button is at 1150mm. Accept as is	Per COAD's 6.20.1.3 General Accessibility Criteria and Design Parameters : f. mount operable items, such as emergency callboxes and shelter heating controls, at a maximum height of 1200 mm. (Bottom of panel @ +/- 1.06m above FF / Top of Panel @ +/- 1.34m above FF)	Pre-RSA	Pre-RSA	Open	Open	\$1,500.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	SW149	A4 Threshold Sign	A4-L01-116-WY: Cut out burrs around the letter "n". Cut-out of letter needs to smoothed out.			Minor	Pre-RSA	Open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	SW150	R5 Signage	At Hurdman R5-L01-130-GH (exterior) has not been updated, but another R5 has been placed inside the entrance (south side of fare gates) which has been updated. The decal inside the entrance near the fare gates must be removed, and the exterior (correct location) decal R5-L01-130-GH needs updating			Minor	Pre-RSA	Open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	SW152	MUP Trailblazer Signage	TI-EXT-002-FN: Trailblazer at bottom of stairs (at MUP) not installed			Minor	Pre-RSA	Open	Open	\$1,600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu160	Bus Loop - Temporary Ped Crossing	Temporary pedestrian crosswalk across bus loop, including signs, asphalt ramps, and fencing to be removed in conjunction with OC Transpo service adjustments. Date TBD (subject to RSA).	ET: OCT to let us know when (Post RSA, Tomlinson to return and close gaps & remove asphalt) OLRT request OTC review to criticality to Minor		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu164	Bus Loop - North-west Corner (adjacent to Faregate Enclosure)	Concrete adjacent to the fare gates is damaged. Some areas have been filled with asphalt. This should all be completed with concrete	ET: To be repaired		Minor	Pre-RSA	Open	Open	\$1,750.00	RSA - TBD	PRE-RSA

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City PL (FF)	Bayview	Ba111	Station elements miscellaneous	Unfinished cladding on various cabinets and pillars	Flynn. Affected by sheet metal strike.	Week 24: Item re-opened as there are several pillars in EB platform that cladding have been removed for repairs	Pre-RSA	Pre-RSA	Open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu189	Cap behind SW lantern	There is gap on the east side of the lantern (between the lantern and the ashwood screen) through which someone could fit.			Minor	Pre-RSA	Open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu129	Landscaping	Clean-up required at west entrance. Asphalt must be repaired to level cut trip hazards and pin curb has not been installed to close off driveway access	ET		Minor	Pre-RSA	Open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	TU120	Art	Artist Sign-off for mosaic and skylight art	Mid June		Minor	Pre-RSA	Open	Open	\$1,500.00	RSA - TBD	PRE-RSA
City PL (FF)	Sl_Laurent	SL78	Station Elements Miscellaneous	Station elements --> unfinished / enclosed wall areas in the public area	confirm locations		minor	Pre-rsa	Open	Open	\$1,500.00	RSA - TBD	PRE-RSA
City PL (FF)	Sl_Laurent	SL79	Station Elements Miscellaneous	ceiling finish in public areas - the side of the drop ceiling panels are not finished	Use as-is		minor	Minor	Open	Open	\$1,500.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-O11	West Public Concourse (F1) 03-003	General cleaning all surfaces / repair Sovereign injection port hole on north wall near stair-ST-G-03 / fit and finish at ceiling mounted speakers	ECD: May 10th, 2019	General cleaning item removed - See PAR-147 / Work remains on-going and/or pending on other items	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-O27	Stair to Platform St D 01-&02	General cleaning all surfaces / Glass Guard Panel mis-alignment / ceiling not level at ST-D-01 landing / Climability Solution as yet to be installed	No Action Glass - Ceiling Repairs May 3rd, 2019	General cleaning item removed - See PAR-147 / Work remains pending on other item	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-O47.0	Platform South 01-011	General cleaning all surfaces / Painted surfaces damaged from water / injected water/proofing seepage to be repaired	ECD: May 15th, 2019	General cleaning item removed - See PAR-147 / Work remains pending on other item	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-O48.0	Platform North 01-012	General cleaning all surfaces / Painted surfaces damaged from water / injected water/proofing seepage to be repaired	ECD: May 15th, 2019	General cleaning item removed - See PAR-147 / Work remains pending on other item	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-126	Station Elements Miscellaneous	Replace platform ceiling tiles that have rust/water damage throughout.	ECD: May15th, 19		Minor	Pre-RSA	Open	Open	\$1,150.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	PAR-145	Exterior Grade Level	Gaps Between Grates & Perimeter Curbs Exceed allowable spacing (Various Locations)	OLRT to investigate	New	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-147	Throughout Station	General Cleaning of all surfaces required. Cleaning effort is underway but ongoing works within the station impact the cleaning effort		New	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Lees	Lees127	Cleanup elevators	Elevator cabs needs to be cleaned, inside and top. Footsteps on vertical steel sheering (inside shaft) above door at platform level.		Added precisions in description	Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu13	CMP damage stairs tall wall	Damaged Composite Metal Panels damaged at northwest stairs exterior tall wall			Minor	Minor	Open	Open	\$1,150.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu14	CMP damage miscellaneous	Damaged Composite Metal Panels - East stairs at lower concourse ceiling, stairs entrance (one damaged panel at each stair).		Reviewed description	Minor	Minor	Open	Open	\$1,500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu181	CMP damage sign band	CMP damaged under sign band - westbound platform escalator top landing area		New item	Minor	Pre-rsa	Open	Open	\$1,500.00	1/22/2020	Minor
City PL (FF)	Blair	BL51	BRT south platform	removed BRT shelter (S-05) Light fixture to be reinstated	Please provide additional information	BRT platform lighting to be installed per IFC drawing (REM-25-5-BL-ST-DRD-6000)	Minor	Pre-rsa	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Trackwork	AS0037	Switch Machine Covers	The switch machine rod covers are missing for most of the switch machines		New Comment	Minor	Minor	Open	Open	\$1,250.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0044	Hurdman Pumping Station - PRP 138B	Multiple deficiencies noted in regards to grading/fencing and driveway. The site as a whole is in poorer condition than it was before use by OLRT. Needs cleanup as early as possible.	Clean up completed. The access reinstatement was de-scoped	New Comment	Minor	Minor	Open	Open	\$2,000.00	1/22/2020	Minor

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City PL (FF)	General	Sw024	Elevator push buttons / ID #'s / overhead digital floor indicator	[166] Rideau west elevator internal push button panel for level selection differs from the elevator directory. Directory is 3, 2. Push button panel is 3 (star), M, 2. Rideau mid entrance has inconsistent level ID #'s on digital screen above elevator (states level 1, elevator is level 3.2 only). Access to elevators has been restricted. Ensure all elevator floor ID's for push buttons, overhead screens align correctly with C3 & C4 elevator directories.			Minor	Pre-RSA	Open	Open	\$1,100.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu135	Bus Loop - Railing	Pipe handrailing not installed along edge of bus platform (at east end) as per bus loop design drawings			Pre-RSA	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu188	Roof Leak - Canopy	Roof leak next to eastbound platform elevators (at platform level)		New item	minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR104	Entry Lobby [02-101]	Coiling Grille shroud closure missing - exposed visible steel supports welding marks to be painted	Coiling grille shroud deleted, waiting on painter		minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu153	Bus Loop - General	General cleanup of platform required	ET. To be done before RSA		Minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu175	Scott Street, Pedestrian Bridge	Damaged pavers along Scott Street frontage and on pedestrian bridge	To review		Minor	Minor	Open	Open	\$1,200.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu184	South Bus Platform - Stop B	South Platform, Stop B to the left of the shelter. There is cracked concrete			Minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO194	Frit pattern	Incomplete frit pattern on windscreens on Eastbound and Westbound platforms; Type 1 missing. Refer to IFC architectural drawings.		New item. frit Type 1 missing	Minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu245	Plaza drainage	Plaza, south of station. Low point in pavers at electrical/communication manhole. Located outside station, south of stairs bike racks, east of wood fence gates.		New item	Minor	Minor	Open	Open	\$1,500.00	1/22/2020	Minor
City PL (FF)	General	SW137	Evacuation Notice - all UGS (Including St. Laurent)	NOTE: These non-compliances occurred after the last OC inspection [172] RTG sign not approved by OC. Incorrect format. Incorrect translation. Artwork subsequently created by OC for RTG implementation [173] Locations not approved by OC. Signs cover artwork etc. RTG to relocate to more appropriate locations.			Pre-RSA	Pre-RSA	Open	Open	\$1,250.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu139	Lighting	Uniformity ratio does not comply with levels required as per P.A. Stairs landings: Ave/Min ratio is higher than 2:1 (Acknowledged in SVR)	To review		Pre-RSA	Pre-RSA	Open	Open	\$1,100.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu16	Line painting	Bus Loop Line Painting	OLRT considers minor. ET	Must be completed prior to RSA	Minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	Pi 62	Station elements miscellaneous	Holes in screening (ceiling) East street exit/entrance. Incomplete placement of pavers at base of fence posts. Bus Operator Building intersection. Southeast corner.	Serco - to be completed	Outstanding item	Minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu172	Landscaping	chain link fencing to close off and finish east end BRT platform	Please provide additional information. ET	New item	Minor	Pre-RSA	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (FF)	Blair	BL41	Landscaping	chain link fencing to close off and finish east end BRT platform	Please provide additional information. ET	OTC to review on site w/ OLRTC. Changed criticality	Minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	RID-201	O pylon pole at East Access	Metal pole has multiple paint chips and scratches	OLRT to Complete	New Item	Minor	Pre-RSA	Open	Open	\$800.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu26	Landscaping Line painting	Review line paintings in BRT and PPUDO in spring 2019			Minor	Pre-RSA	Open	Open	\$750.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu17	Bus loop Gate	Bus Loop Gate - Review of Operability	Please provide additional information ET	Test required of remote control and gate operability Updated to Pre-RSA	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu11	Sandblast residual sand	Sandblast residual sand in elevator shaft, lighting, Utility cabinets station steel structure. Needs thorough clearing	OLRT considers this minor. City to assess. April 26th		Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA

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City PL (FF)	Tunney	Tu156	Bus Loop - NE Corner of Platform	Edge line along roadway at N-E crosswalk not completed.	ET: To be done with pave marking (To be painted immediately prior RSA to avoid unnecessary wear by bus through movement)		Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu42	BOB Door Operators	Bus Operator Building - Power operators dimension too small - less than 150mm - (All Doors)	OLRT to review		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Lyon	LY-26		Platform drop ceiling edge track missing in certain areas on South Platform (End adjacent to sign band)	May 3rd		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-O47.2	Platform South 01-011	Mis-aligned ceiling edge channels at platform edge	ECD: May 10th, 2019		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-O48.2	Platform North 01-012	mis-aligned ceiling edge channels at platform edge	Marel 05-10-2019		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-118	Station Elements Miscellaneous	WB platform - Base of escalator - Leak on ceiling. Ceiling panels eroded - Wall and ceiling covered with salt.	ECD: May 15th, 2019		Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees054	Concourse	Concourse fire extinguisher cabinet rusting. Same issue for fire extinguisher enclosures at platforms.		Added details in description	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu18	CMP damage miscellaneous	CMP damage - small - on wing wall at breezeway - south side	OLRT considers this minor. City to assess		minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu38	Stairs threads	Northwest stairs temporary threads (3 steps) to be replaced with same as other.			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu95	Concourse	Install flashing between PID and TIP on concourse.			minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu182	Concrete scaling	Concrete is scaling at top landings (very thin layer of concrete was applied to top landing of 2 west stairs to correct elevation)		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR04	Stair B [ST-B-01]	frit pattern missing from stair glazing			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR06	Stair A [ST-A-01]	frit pattern missing from stair glazing			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR14	Elevator 02 [ELTR-02]	ceiling and wall junction - finish panels to be installed	City to provide location and photos.. City please review critically.	installed wall end closure flashing does not match station finishes and there is exposed insulation visible at top and bottom gaps	minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR87	Station elements miscellaneous	Ceiling -> at top of the column -> fit and finish deficiencies at the ceiling at the top of the column (both visible sides). On the rear side of the column it appears the ceiling panel has been cut back to allow for some pipe work / pipe insulation to be fitted.	City to verify location.		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR108	DWA [01-102]	DWA radiant heater steel shroud plate to be repainted and protective grilles to be cleaned of visible rust			minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	St_Laurent	SL09	Circulation [02-101]	cracking appearing in epoxy flooring at most truss beam locations			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	St_Laurent	SL22	BRT lower level driveway	power to existing BRT lower level lighting to be re-instated (under St. Laurent Blvd.)	More info required						\$500.00	1/22/2020	Minor
City PL (FF)	Blair	BL42	Landscaping	possible Hydro box rework at mall plaza landscaping			minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Blair	BL56	Bus Operator's Building - Maintenance Room [01-153]	all bollards to be painted safety yellow (including 2 exterior)	OLRT to Review		minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Blair	BL118	Bus Operator's Building	Telephone and data services: conduit is in place but no cables are installed	OLRT to Review (ET)		minor	minor	Open	Open	\$550.00	1/22/2020	Minor

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City PL (FF)	Blair	BL192	Bus Loop Island	add 1 extra pedestrian fence panel to each end at bus loop island walkway			minor	Minor	Open	Open	\$550.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0035	Guideway Fence Repair	Section between uOttawa and East Portal on the Nicolas side - A gap remains that is yet to be fenced	Temporary fence is installed- Forming of the NJ is complete pouring concrete Monday 29th. Expected completion May 3rd. City to review criticality as temporary fence is installed.	New Comment	Pre-RSA	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	General	SW003	Information symbol at A9 TIP	Information 'T' symbol incorrectly located. Should be above TIP at left side		Proposed bracket installed at Bayview is not acceptable and looks like an afterthought. Refer to 'A9 Placement options' diagram for preferred solution	Pre-RSA	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sw016	Transecure A8	[77] Decals not matching length of glass side panels (AGS) nor the length behind seat (UGS). AGS require 2 x A8 decals to fill full width of glass side panels at Transecure. Decals to replace distraction panels. UGS require 2 x A8 decals side by side behind length of bench		As per March 25th meeting, Signs.ca to complete. Use one sign to extend A8 signage City Post-meeting Comment 20190401: Where there's two panels, use 2 A8 decals as per the drawings. If only one panel, extend A8 sign to cover full length of glass panel. See 'A8 Placement' PDF with options	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sw023	R6.1 no entry (platform ends)	[165] sign on end-of-platform gates not applied in all circumstances			Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	SW042	Push bar door	[81] No sign on push bar door to restricted access at west end of platform west of fare gates. Door is on north side of exit area facing south.			Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	DS006	-Remove the median and fence located in the middle of the road and reinstate centerline -Reinstate traffic signals connection duct between City Centre and east abutment of bridge -intersection paving	West BRT Detour Removal - Albert (Bayview to City Centre) median and fence		new	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Civil	DS0029	-handrail (MUP)	Belfast and Tremblay		new	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO44	Finishes around utility cabinets	Ceramic Panel finishes or flashing missing around utility cabinets at lower concourse	Flynn	Not completed	minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO140	Elevator finishes	Finishes/flashing around eastbound platform elevator door. 1-2 in. gap around showing backing board.		New Item	minor	Minor	Open	Open	\$800.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu19	Leaking expansion joints	Water (melted snow) from platform leaking under the expansion joints. Leaks on CMP installed at ceiling under guideway/elevator/escalator platforms.	RWL has been repaired/verified ok. Heat tracing is to be installed but should be considered minor. City to review criticality.	This item applies to all expansion joints. It's not a duplicate of Hu43. This last deals with RW leader not heat traced and leak in only one expansion joint. Changed to Pre-RSA	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba31	Crew Room	No phone or data jacks.	Transfer to SYSTEMS	VC-229 (VE-227),request data/communication lines	Minor	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba32	Crew Room	Crew room/supervisor - No data connections for supervisor/crew OCTV/staff kiosk	Transfer to SYSTEMS	VC-229 (VE-227),request data/communication lines	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	PAR-148	Commissioning manuals	Commissioning manuals , subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service.		Status Update Required	Pre-RSA	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA

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City PL (FF)	Rideau	RID-193	Commissioning manuals	Commissioning manuals , subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service.		New Item	Pre-RSA	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu209	Commissioning Manuals	Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	Systems		Pre-RSA	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	SW154	C1 POI map	The C1 map has a random blue square on it. This was not on the artwork files we provided.			Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	St_Laurent	SW159	ETEL	Newly installed ETEL phone on level 3 requires security decal and ETEL phone flag signage			Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	St_Laurent	SW160	ETEL	At DWA, adjacent to incorrect / English only heater instructions: Braille pabel peeling off emergency phone panel			Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu152	Bus Loop Fencing and Gates	Several vertical fence poles throughout the bus loop require paint touch-ups	ET: To be repaired		Minor	Minor	Open	Open	\$550.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu161	Bus Loop - North Platform	Stop F: Foundation/base of the E-Phone stanchion is depressed below the platform. Would it be possible to fill this area to make it flush to avoid a trip hazard around the stanchion?	ET: Can be done		Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu163	Bus Loop - North-west Corner	Favement markings are required for the pedestrian crosswalk across the emergency access from Goldenrod.	ET: To be done with paving marking		Minor	Pre-RSA	Open	Open	\$900.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO171	Column enclosure damaged	Column enclosure (vertical conduit chase) cladding damaged. North end of WE platform.		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO173	Utility Cabinet	UC located B Platform, north of elevator shaft. Need flashing on one side.		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO181	Paint	Touch ups needed on elevator shaft steel structure EB platform level. Column next to vertical conduit chase leading to roof		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Lees	Lees112	Art	Fluxwory to mitigate the issues with the exposed/visible LED strips on bird art	OLRT to adjust LED lights to be concealed	Outstanding item	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees149	Water pond	Water pond at last Roof Type C column EB Platform North end (at vertical); conduit chase enclosure)		New Item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu223	Light post in plaza	light posts in Plaza south of station breezeway. One base need paint, One base need repairs		New item	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	D90030	Booth Street Sidewalks (cycling lane project)	In order to improve the durability of the sidewalks, the crack control joints ought to be washed and cleaned out and then sealed with a chemical product that will prevent the accumulation of debris and salts		new	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Rideau	RID-211	Mid Elevator at adit	Directory sign at north side of mid-elevator. French text lettering has been clipped off			Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO186	Elevators	Lower concourse Elevator Button SS Plates to wide-Sharp corners - Hazard		New item. Picture sent to Bill	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO187	Lanterns	Kick plates need cleaning (rust) on both sides of Main entrance lantern. Lower concourse lantern kickplate to be reviewed.		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO190	Communication room	Air humidifier drip pan not leveled (will not drain properly)		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu227	Snow room	Water feed header for P Traps is damaged		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu229	Elevated Guideway Columns	Guideway columns strained. Need to be cleaned (Sach Rub or other)		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu232	Station staff washrooms	Handicap push buttons to open door not working in & out of staff washroom H01-103-CR11		New item	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	General	SW165	A9 Decal (i symbol for TIP's)	Colour of A9 decal is the accessible blue colour. As per the drawings, the A9 decal colour should be a lighter blue that differs from the accessible blue colour. See REG-40-8-0000-DRD-0203 1. This is important for OCT branding for TIP's and other communications. Criticality indicated as 'Pre-RSA' as that's preferred, however, could be changed to minor if that's not feasible.		New item	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA

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City PL (FF)	Hurdman	Hu233	Washroom (Staff)	"Occupied when lit" signs outside are not bilingual	OLRT to review	New item	Minor	Minor	Open	Open	\$550.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu234	Washroom (Staff)	"Push to lock" button signs inside are not bilingual.	OLRT to review	New item	Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu235	Washroom (Public)	Emergency assistance call light, outside above door, is not bilingual (on 1 of the 2 public washrooms only)	OLRT to review	New item	Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TRI26	ELEV-1,2,3-Concourse Level	Elevator up and down arrows display is not secured. Missing Bottom screws on Elevator 1, 2, 3	OLRT to review	Jul 09 - Item Opened	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees155	Elevator pits	Water ponding in elevator pit. Deficient drainage. Elevator steel structure rusting. - Probable source of water is condensate from AC units		New item	Minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu241	Expansion joints covers	Small sections of expansion joint covers need to be sandblasted (missed)- hazard. Located far east of eastbound platform/escalator landing. Another small area requires sandblat (missed) - review location on site. OLRT-C to review friction coefficient of all covers before RSA as some areas seems to have lost anti slip. Refer to Hu44		New item	Minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu244	Elevator landings	Sealant required between ceramic tiles and concourse/platforms. Recommend to use same sealant (caulking) as used to fill saw cuts in platforms.		New item	Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Blair	BL203	Bus Loop	The new bus loop should be reviewed to ensure that all redundant/old signage from the original bus loop is removed. These areas were handed over to OLRTC shortly after the removal of Transitway service, and it was understood that these features would be removed as part of the reconstruction.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL207	Bus Loop	Main Entrance - TWISI chipped/Cracked and gap between TWISI and Concrete platform		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL209	Bus Loop	Curb depression for west layup washroom maintenance access damaged (Island at West layup		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL211	Bus Loop	The east-west crosswalk at the west end of the bus loop at the entrance from the Gloucester Centre roadway should be cleaned up. The asphalt ramps at this location require repair. The pavement markings for this pedestrian crosswalk should be refreshed.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL212	East End layup area - Bus Loop	East End layup area - Pavement Markings for east-west crosswalk at entrance from Mall Roadway are faded and should be refreshed.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL213	East End layup area - Bus Loop	The curb ramp at the east side of the east-west crosswalk at the entrance from the Mall roadway requires repair. This is currently a trip hazard.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL214	East End layup area - Bus Loop	TWISI missing from the east-west crosswalk at the south-east corner of the east layup area near the Blair overpass. Pavement markings should also be refreshed.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL215	East End layup area - Bus Loop	Broken concrete and trip hazard on the pedestrian path to the north-east of the east layup area.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL216	East End layup area - Bus Loop	Trip hazard from shifting concrete in platform 2B.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA

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City PL (FF)	Blair	BL217	East End layup area - Bus Loop	There is a trip hazard at the existing asphalt ramp at the corner adjacent to the BOB. Further, this TWSI appears to be in the wrong location, as there is only an East-West crosswalk and no north-south pedestrian crossing in the final condition.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL218	East End layup area - Bus Loop	Fencing/Railing at the east end of the bus loop near the Blair overpass is damaged and should be repaired/replaced.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (FF)	General	SW166	Rideau Platform - East End Directional Signage, Elevator Directories	Directional signage and elevator directories at the east end of the north platform currently reference Sussex Drive and the Rideau Centre. This signage should say Rideau Street, William Street and Byward Market instead. See REG-40-2-RISU-DRD-1372_6.			Minor	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu166	Bus Loop - South Platform	Improved landscaping behind platform required. The current landscaping creates a hazard behind the platforms - potentially exceeds slope requirements. Also, fencing heights should be reviewed, as they are quite low in relation to the platform height. It may be suitable to explore a fence along the back (south side) of the platforms to prevent customers from accessing the landscaped areas. It is not desirable to have customers in these areas, and is a CPTED concern.	ET to review his comment ET: As per drawings. Use as is.	Bus loop landscaping drawing (CIV-1-LP-L1.0-rst) shows topsoil and sod immediately behind south bus platform with shrubs and vine planting south of that. No sod in place currently. Alternatively, a pipe handrail along the south edge of the bus platform could be considered.	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu167	Bus Loop - South Platform	There is a manhole in the existing landscaping that presents a tripping hazard.	ET to review his comment ET: As per drawings. Use as is.	Refer to comment above on landscaping south of the bus platform. There is currently a hole / gap west of the manhole that is not acceptable.	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu168	Bus Loop - South Platform	There is a CPTED concern behind the electrical vault. This area is large enough for a person/child to enter and is not likely visible on CCTV cameras. This area should be restricted using barriers or other deterrents.	ET to review his comment ET: As per drawings. Use as is.	Must be reviewed from CPTED / safety analysis.	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu170	Bus Loop - South Platform	Stop C: Directional TWSI is not flush with the surrounding platform, creating gaps between the tiles. Bars and domes are required to have a raised tactile profile 5 (+/-1 mm) mm high. All exterior TWSIs must conform to this standard	ET: As per drawings. Use as is.	As per drawings and tactile wayfinding requirements, the directional TWSIs must be raised above the adjacent floor surface.	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA

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City PL (FF)	Tunney	Tul71	Bus Loop - East end Platform (South Side)	The ICP cabinet on the south platform (adjacent to the Otrain Station) constitutes a protrusion hazard for customers since it protrudes more than 100mm from the wall, but is not cane detectable.	ET. As per drawings. Use as is.	ICP location was identified on RTG drawings, not bus loop drawings. Installed ICP location does not match RTG drawings - see REA-40-1-TUST-DRD-1312_5 and REA-40-1-TUST-DRD-2100_1. ICP was to be located west of the west entrance doors from the bus loop. Platform clear width requirements must be met in front of ICP (in consideration of pipe handrailing as well) and must be cane detectable.	Minor	Pre-RSA	Open	Open	\$600.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tul72	Bus Loop - South Platform	TWSI pattern termination at the Transecur landing area on south platform is not consistent with those at Blair and Hurdman. Currently, there are three different approaches at the three different stations. A consistent approach needs to be used at all three locations.	ET. As per drawings. Use as is.	Ensure consistency for the TWSI termination at the Transecur for all 3 bus loops. The TWSI should terminate at the clear loading area in front of the bus flag. At Tunney's, west section of TWSI leading towards shelter must be removed. See photo mark-up sent to Eudald Trull via email. 20190702: TWSIs have not been installed as per the drawings nor do they align with what was agreed to with OLRTC by email (refer to e-mail forwarded to Eudald Trull). TWSI terminations must be consistent at all 3 bus platforms and City believes the easiest solution to ensure consistency is modifying the directional TWSIs as per the	Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hul156	Washroom (Public)	Universal public W/C 01-128 - Sink mounted too high 860mm to top from floor. (Needs to be max 840mm)	Sink has been adjusted city to verify BSC found no issue for Occupancy. Use as is Completed city to review	OLRT to OPEN - Does not comply with COADS requirements Not completed	Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament St Laur	sw077	C1 POI map	[129] Turn C1 to face west (west entrance)		Revised City comment. C1 is installed as per the drawings, however, current location is only suitable for those exiting from SunLife. Should be rotated to face West.	Pre-RSA	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament St Laur	SL69	Lighting	Confirm minimum LUX levels at night	Verification ongoing		Pre-RSA	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament St Laur	SL90	Station Elements Miscellaneous	Station elements -> appearance of rust on the metal cross bar of the elevator shaft canted steel column at stair mid-landing (north side) to be repainted	existing leaks		Pre-RSA	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY146	Stair B-02 [ST-B-02]				Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	General	SW014	C2 Station Hours	[75] Incorrect red O at all stations		As per March 25th Signage meeting, Sigrs.ca to review and correct	Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA

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City PL (FF)	Tunney	Tu11	Washrooms (Public)	Public washrooms W/M - No power door actuator on public washrooms.	OLRT to review new city comment CFS Covered by BCS reports. OLRT proposes closure from this list due to duplication. Also please review criticality of "Minor"	OLRT to OPEN Item - Operator is required as there remains the opportunity for someone to close the door, making the washroom inaccessible.	Minor	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL189	Art	Specialized lighting for art to be adjusted to artist's specs or suitable alternative	OLRT to review new city comments that provide clarity. Accept as is. Artwork and lighting installed as per Artists direction. City to provide more information	Further information provided in previous weeks City comments. Lights angled up towards skylight drain trough @ west stair location. Not completed	minor	Pre-RSA	Open	Open	\$675.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba139	Train Operator Building	Washroom - Door on the first washroom needs to be adjusted	OLRT to review new comment OCT/RTM maintenance to complete	Week 25: Door actuator for both washroom doesn't work. Door closer and floor stoppers needs adjustment.	Minor	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu188	TWSI from NE Plaza	TWSI from NE plaza to the NE entrance has sunk. See Tu170 - TWSI must be flush with surface and the bars and domes must have a raised tactile profile			Minor	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA
City PL (FF)	Hardman		Station elements miscellaneous	Throughout the station many location showing evidence of rust - including but not limited to stainless steel posts, handrails, glass connectors / supports Some specific issues listed here: Formerly Hu57-Rust stains on all concrete floors, Platforms and concourse. Not a maintenance issue. To be removed as part of general cleaning. Formerly Hu61-TWSI at concourse, corrosion due to winter salt. Acceptable to transfer to RTM provided its confirmed this is on RTM List Formerly Hu115-Steel rusting on post at top of stairs - WB platform - West side (OTC item - Windscreen carbon steel posts to be painted). Not a maintenance issue- To be painted by OLRTC. Formerly Hu189-Carbon Steel spacers at glass supports on SS posts, at bottom of northwest stairs. Carbon steel is rusting and stains ss posts and stairs. Not a maintenance issue- spacers to be replaced with SS material by OLRTC.	HU 57, HU 61, HU 115 and HU 189 are all duplicates. Condense to HU 144 with all specific locations use as is major rust has been cleaned remaining will clear from use	Former item Hu61 completed. Former item Hu115 Completed. This remains Pre-RSA.	Minor	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA
City PL (FF)	Hardman	Hu246	Retail Space	installation of access panel(s) required to have for Retail Space Services - water, vent pipe and fire sprinkler pipe (on East Ancillary building east wall)		Install as agreed now that Flynn is back on site.	Minor	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA

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City PL (FF)	Cyrville	CY112	Accessibility	TWSIs - directional - There are two access hatches on the surface of the westbound platform where the directional TWSI pattern is broken and elongated bars are missing. See image of one of the access hatches attached.	To be referred to code consultant. Proper dimensions between TWSI's land on the joint of the access panels. BSC found no issue to remove. Use as is.	Per accessibility requirements Not completed Jul 09 - Item Not complete, OLRT to refrain updating column "L" without adding any reply in Column "J"	Minor	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sw022	Track fence ID A10.1, A10.2, R8	[164] Across track Station ID and directional signs not installed at all locations. Most notably Bayview & Blair	OLRT to review city comment Completed. City to review.	Signage was not installed at centre-platform stations (Pimisi, Cyrville and Blair) during last OCT inspection. Will Pimisi signs be placed on stand alone posts to avoid artwork?	Pre-RSA	Pre-RSA	Open	Open	\$525.00	RSA - TBD	PRE-RSA
City PL (FF)	Lyon	LY-25		Finished ceiling areas at north & south platforms extend below sign bands	Need update form the City OLRT: cannot move ceiling files due to utilities	item needs to be rectified. Discussed potential alternative solution with Eric on site. Following up with OCT.	Minor	Minor	Open	Open	\$525.00	1/22/2020	Minor
City PL (FF)	uOttawa	uC30	Snow melt platform edges	Snow melt not efficient on platform edges	OLRT to provide as built to RTM	Defect is marginal. Sensor system may need adjustment Recommend to close provided this is transferred to RTM	Minor	Minor	Open	Open	\$600.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu15	Incomplete finishes under stair	Incomplete wall finish under southeast stairs (bike rack area)	Panel missing, Flynn Part of Def. April 26th, 2019		Pre-RSA	Pre-RSA	Open	Open	\$175.00	RSA - TBD	PRE-RSA
City PL (FF)	Guideway	AS0040	Fence gate placed for test track	The gate placed in the section between Michael St and TPSS#7, placed at the time of early T&C activity still remains and could be removed		New Comment	Minor	Minor	Open	Open	\$400.00	1/22/2020	Minor
City PL (FF)	General	SW012	Transecure	[69] No tactile 'directional / navigational' wall sign at Transecure areas. Also refer to Row B7 & TP5 wood slat seating and metal arm supports missing from precast concrete benches		As per March 25th Signage meeting, Signrs.ca to complete. Refer to Signage meeting notes for details (specific wording required at Blair and Turnneys as these are end of line stations)	Pre-RSA	Pre-RSA	Open	Open	\$400.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY66	Landscaping	wood slat seating and metal arm supports missing from precast concrete benches			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Blair	BL57	Landscaping	wood slat seating and metal arm supports missing from precast concrete benches			minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (FF)	Lees	Sw052	C1 Point of Interest map	[47] Sign not located as per SIN drawings. Should be inside fare gates. Not a EXT sign. Sign currently obscured. Also, side A faces south, should face north as per SIN drawings.			Minor	Pre-RSA	Open	Open	\$350.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu72	Station elements miscellaneous	Exposed pipes at end of EB platform, East side.	In progress		Pre-RSA	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu81	Station elements miscellaneous	4" x 4" wooden 12' post near East escalator - Is that temporary?	Temp - internet	Advise on expected date of removal (confirm this will be before RSA)	Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Lyon	LY-14		Most but not all elevator buttons correspond to the same numbers as the signs. The Lyon West elevators indicate floors 1 and 2 for what is signed as floors 2 and 4.	Julian A.		Minor	Minor	Open	Open	\$300.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu88	Accessibility	Where there's potential to walk into glass, like in high traffic areas, there should be a form of fritting or colour contrast applied.	City to identify location.		Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	sw080	Directional	[132] change all 4 arrows to point ahead	OLRT reviewing as this is a BCS item and has been approved		Pre-RSA	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Close OLRT	Close City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (FF)	Hurdman	Hu163	Washroom (Staff)	Staff washroom 01-102 - Power door operator inside is less than 600mm from arc of door swing.			Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu180	Cleanup under guideway	Sealant dripped from sealing conduit sleeves through Cyudeway pier - Drip stains to be cleaned out		New item	Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	St-Laurent	SL07	Stair C [ST-C-02]	minimum headroom clearance to light fixtures and suspended ceilings to be checked (top landing)	Light is 2.21m above finished floor. This is already higher than the adjacent door frame and in line with the ceiling. Any higher a shadow may be caused by the ceiling. OLRT to propose deviation. OLRT is preparing RFI-P. City to review criticality.	Changed to Pre-RSA remains open until RFI PAD issued	Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SL16	Stair B [ST-B-02]	minimum headroom clearance to light fixtures and suspended ceilings to be checked (top landing)	Light is 2.21m above finished floor. This is already higher than the adjacent door frame and in line with the ceiling. Any higher a shadow may be caused by the ceiling. OLRT to propose deviation. OLRT is preparing RFI-P. City to review criticality.	Changed to Pre-RSA remains open until RFI PAD issued	Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SL34	Landscaping	wood slat seating and metal arm supports missing from precast concrete benches	To be completed by April 5th		Minor	Minor	Open	Open	\$300.00	1/22/2020	Minor
City PL (FF)	Blair	BL78	BRT south platform	Conduit stub-ups at not installed Shelter (S-05) location to be capped and concrete platform cut-outs to be filled and made safe	Please provide additional information	OTC to review on site w/ OLRTC	Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL114	Bus Operator's Building	Require graffiti standing operating procedure and training.	OLRT to Review (ET)		minor	minor	Open	Open	\$300.00	1/22/2020	Minor
City PL (FF)	Blair	BL152	Stairs and railings	South stairwell require to be reinstated for OC Transpo staff access (remove temporary hoarding and reinstates as per original operation.)	OLRT to remove hoarding		minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	General	SW011	All CI Map POI stands & C5 Line Map stands	[42] Vinyl surface damaged. Sheen removed, and colours are dramatically faded and contrast with undamaged signs. Appears a clearing solution damaged the signs (evidence of a forward and back motion)		As per March 23rd signage meeting. Signs ca to fix when weather above 5 degrees	Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Sw031	Exterior ISA	[144] Incorrect sign used at ramp up to Albert Street entrance. Should be an ISA symbol not elevator symbol			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	Sw036	CI Point of Interest map	[8] CI map stand faces E / W (one sided), SIN drawings require N / S (double sided applications) Number reused [107] No signage on platform			Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW109	Door sign	emergency exit doors at east end of platform, both sides, example sign at grip bar saying emergency exit only			Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW111	Directional	[111] Sign is in a different location as specified in the SIN drawings. Sign has been moved approx 6 m west from fare gates closer to the bottom of the stairs. Sign artwork has been changed removing the ISA symbol. Void where no sign points to elevators ahead.			Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA

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City PL (FF)	St-Laurent	SW113	Directional	[114] The word 'Blair' is missing from sign			Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	SW135	CI Point of interest map	[12] Map needs to be updated to synchronize with revised university directory. Artwork is available. Replace at the same time as when G11 is addressed.			Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	SW142	Map Stands	[177] Surface damaged, faded, stained. Must be replaced			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	SW143	CI Signs	[178] Surface damaged, faded, stained. Must be replaced			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu193	Washroom (Public)	"Occupied when lit" signs outside are not bilingual	City to comment: (Dave)	Not completed. This remains Pre-RSA	Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	SW153	Parliament - O Pylon	A1-EXT-003-FY: "O" pylon sign is missing train symbol.			Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba141	Switch Modifications	Fiber to CAT6 switches need to be relocated to be easily accessible	Transfer to SYSTEMS	Item to close once transferred to systems list	Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	Pimisi	Pi110	Switch Modifications	Fiber to CAT6 switches need to be relocated to be easily accessible	Transfer to SYSTEMS	To close once item has been transferred to systems	Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO188	Snow Room	Protective plate, plastic film to be removed on one door. Other door missing protective plate		New item	Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu230	Benches (Platforms)	Anchors too long.		New item	Minor	Minor	Open	Open	\$250.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu233	Washroom (Staff)	"Occupied when lit" signs outside are not bilingual		New item	Minor	Minor	Open	Open	\$350.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu238	Landscaping	Damaged fence on south side of bus loop. Fence need cleaning - hydro seed was done through fence		New item. Seems damage could have been caused while construction (not from public crossing). Clean hydro-seed film on fence	Minor	Minor	Open	Open	\$275.00	1/22/2020	Minor
City PL (FF)	Blair	BL205	Bus Loop	Stop E - Hand hole cover missing		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL206	Bus Loop	There are holes in the platform from the previously installed shelter		5. These holes and conduits should be capped/filled.	Minor	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL208	Bus Loop	Stop B - Cap from the base of one of the light standard needs to be reattached. These light bases should also be confirmed to not be trip hazards.		Jul 16 - Item added	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu73	Leaning rail	Leaning rail at platform level - not installed	Past City comment said this was PA req - City to provide reference for the requirement.		Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sx020	Press for heat	[139] Throughout the stations the press for heat signs do not reflect the text we supplied and no braille. Artwork black on white not matching system design of white text on black, less glare.		Inconsistent sign application so far. Use white text on black at all stations (as per signage artwork installed at Tunney's Pasture)	Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	sx079	Utility cabinet	[131] Blue information decal and ITFL decal installed on utility cabinet but no call box	Will be changed		Pre-RSA	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW106	Threshold	[17] Artwork does not match SIN drawing (faint too large). Also refer to CAR-1 (incorrect OC logo)			Pre-RSA	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA

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City PL (FF)	Bayview	Ba83	Stairs and Railings	Exterior stair at upper Scott St. entrance - nosing strips do not meet City Accessibility Design Standards - inconsistent with other locations.	Accept as is. Code consultant to comment	As per City Accessibility Standard - Horizontal marking strips shall be (i) 50 mm (+/- 10 mm) deep; (ii) at the leading edge of the tread. Nosing strip installed are not a solid 50mm deep (but comes with 2 thin strips that are spaced apart to about 50mm	Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	SW157	Rideau / Sussex entrance	No lantern in place. Confirm status			Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR32	Paid Zone [02-100]	Main round steel column paint finish inconsistent with discolorations and tape markings			Minor	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO136	Station elements miscellaneous	Station elements --> CAUTION - customers can reach out and grab the live electrical wires for the stairwell lights --> at the Eastbound platform stairs -- when standing on the eastbound platform the electrical cables and wires which support the lights that hang over the stairs are fairly easily reachable by customers (you do not need to be tall to reach them over the glass barrier surrounding the stairs)	Installed as per design. Use as is. Code consultant to comment	Please provide acceptance from Architect on this specific item. This remains Pre-RSA. Wk 27 Glass panes could be replaced with same height as westbound platform balustrade, that would also solve uO67. Picture sent to Bill.	Minor	Pre-RSA	Open	Open	\$325.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO195	Grounding	Lower concourse. Unconnected ground wire at base of each (2) structural steel columns supporting coiled grille.	Ongoing	New item	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	St_Laurent	SL114	Station Elements Miscellaneous	Exposed ceiling on EB and WB platform toward elevators.	WC to review RTM to review Built as per design. City please provide more detail of the concern.	This item is pre-rsa and it is also listed in OLRTC FF D list. Jul 09 - As we walk towards the elevator from fare gates, exposed ceiling can be easily seen	minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY41	Entry Lobby [02-100]	recycling /waste bin furniture to be installed	RTM will not accept. OLRT to Review Completed. City to Verify. RTM to review. RTM to accept OLRT to provide comment and confirm completion	Per OC's review - The proposed location by OLRTC has accessibility clearance. As long as RTM accepts the risk that they may need to replace/repair often this receptacle unit due to snow plow damage or vandalism, then the relocation should be okay. Written confirmation from RTM is required prior to closing Jul 09 - RTM to give written confirmation	Pre-RSA	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL201	Escalator	Side panel of the escalator is coming off and held with painters tape At the corner near the BOB there are a number of poles and obstructions. During the final reconstruction this area should be reviewed to ensure that platform maintenance equipment can navigate through the area safely.	OLRT to review with city and comment ET	Photo available for reference	Pre-RSA	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL219	East End layup area - Bus Loop				Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA

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City PL (FF)	Lees	Lees004	Ponding on Concourse	Deficient drainage of concourse - Multiple water ponds. Lots of salt applied on concourse. Water source to be identified. In place concrete grade is not in conformance to final product required.	OLRT to review and comment Use as is. Concourse is designed level.	Please demonstrate with QC report (measures and vs criteria)	Minor	Minor	Open	Open	\$275.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu4	Ponding at concourse (grades)	Deficient drainage of concourse - Multiple water ponds. In place concrete grade is not in conformance to final product required.	Provide QC flatness report	City does not agree. Please provide inspection report	Minor	Minor	open	Open	\$275.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu5	Improper concrete finishing	Lower concourse and of West stairs mid and top landings. Cracks, uneven flatness, uneven finishing color, inconsistent surface roughness. Refer to OLRT-C Punchlist item Hurdman PL-00050	OLRT to review and provide comment	Keep open until resolved	Minor	Minor	open	Open	\$275.00	1/22/2020	Minor
City PL (FF)	Tremblay	AS0049	Tremblay Road MUP	Existing black chain link fencing to be repaired	Transfer to Guideway	Transferred from Tremblay. Item given new ID	Minor	Minor	open	Open	\$275.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu86	Bus Operator Building	Missing top of toilet tank. (far West structure) - BOB	May 23rd to complete		Minor	Pre-RSA	Open	Open	\$225.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	PAR-O48.5	Platform North 01-012	Ceiling Tile stained from water infiltration (?) near ESDE-04	Wait ST injection before Cleaning May 15th, 2019		Minor	Pre-RSA	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	uOttawa	u097	Station elements miscellaneous	Rusting top bar at exit on WB platform end and doors to path too.			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees119	Maintenance building	End Flashing damaged bottom of ceramic panels - close to one of the doors		New item	Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	St_Laurent	SL103	Station Elements Miscellaneous	Loose panel on public art: WB platform.			minor	pre-rsa	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	St_Laurent	SL115	Station Elements Miscellaneous	To repair limestone wall damage at end of WB platform (next to public art and regular waiting area).			minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Cyrville	CY65	EMR [01-112]	incorrect room name sign label			Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Blair	BL165	Station elements miscellaneous	Bird netting or similar required in several areas to fill gaps between drop ceilings and roof		OCT wants Pre-RSA	minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0030	Damaged	Retaining wall baskets at West Portal on west side.			Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	General	SW010	Utility cabinets	[40] Decal not translated for fire hose cabinets. Refer to example from OAG for Translation		Understand from OLRTC this will be coordinated with Vipond (as per Signage meeting on March 25th)	Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sw019	Transecure symbol	[138] Throughout the stations many instances of a ghost yellow (darker) line around the Transecur symbol. The symbol should not have this circular 3rd colour around the symbol. Symbol should be 2 colours only, yellow and black.		As per March 25th Signage meeting, Understand from OLRTC this will be completed when temps above 5 degrees	Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	Sw036	Transecure	[73] Tactile 'directional / navigational' ID wall sign artwork on shop dwg states east one side and west the other. Both should state west. Add text & braille (Platform 1 - north platform, Platform 2 - south platform)			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	Sw044	Call box	[125] Screw goes through instructional text obliterating the first word (left side)			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	sw087	Trailblazer T2-EXT-002-FN	[note] Sign not installed at inspection			Minor	Pre-RSA	Open	Open	\$225.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	SW088	Trailblazer T2-EXT-004-FN	[note] Sign not installed at inspection			Minor	Pre-RSA	Open	Open	\$225.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	SW089	Trailblazer T2-EXT-005-FN	[note] Sign not installed at inspection			Minor	Pre-RSA	Open	Open	\$225.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	SW090	C4 elevator directory (all)	[104] Some braille dots appeared to be missing from braille plate, holes where dots were apparent. Are some holes meant to be blank but not filled?			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW107	Threshold - C1 Map	[72] Grey lines, differentiating roads missing			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA

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City PL (FF)	St-Laurent	SW122	C5	[157] Sign not centred between elevator and stairs as per SIN drawing. Check both sides			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney's Pasture	SW133	Transecure	[73] Tactile 'directional / navigational' ID wall sign artwork on shop dwg states east one side and west the other. Both should state east. Add text & braille (Platform 1 - north platform, Platform 2 - south platform)			Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	D90008	-Remove OC Supervisor Trailer and Power Supply	Temporary LeBreton Station removal (NB bus stop on Booth Street)		new	Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Blair	BL199	EB Platform [02-100]	Platform edge lighting, enclosure missing end cap. Birds observed by ERO's using opening	Signs.ca		minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu150	Bus Loop Fencing and Gates	Unable to validate functionality of N-E bus egress to Yarrow - this must be tested before handover.	ET: OCT to let us know when		Minor	Pre-RSA	Open	Open	\$200.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu211	Landscaping	Bus loop - Lay-by area light fixture poles missing weather caps, same for poles on the passengers platform	ET to verify	New item	Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu224	Elevator	Interface between Tile Landing and concrete. Need caulking / sealant		New item	Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Bayview	Ba121	Washrooms (Public)	Universal public washrooms - Not sufficient colour contrast between sink and adjacent surfaces.	Use as is		Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (FF)	Blair	BL142	Lighting	Has LUX level testing been conducted at night? Need to confirm functioning at minimum LUX standards as indicated in PA	Waiting for final report. City please review criticality to Pre-RSA.		Pre-RSA	Pre-RSA	Open	Open	\$225.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW110	Directional	[108] SIN drawing has text stacked, sign installed has text side by side			Pre-RSA	Pre-RSA	Open	Open	\$250.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	SW128	C1 Point of Interest map	[20] VIA symbol is prelated. Blue shaded box on layout. Map supplied by OC did not have these 2 non-compliance issues.			Pre-RSA	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (FF)	Ottawa	uO142	Lighting Report: OLR-45-3-HUST-SVR-0001_0	Station entry vestibule to between gridline A-B and 2-3 (DRD-1301), light measurements are lower than 100 (DRD-1301)	reports being reviewed, no issues	City review of lighting report in progress. This remains Pre-RSA	Pre-RSA	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY101	Station elements	Inconsistent lighting bulbs and exposed BX cable on platform	Completed as per Architect/Engineer approval. This will remain as is. ... OLRT to review exposed BX cable. Request City provide PA requirement for light bulbs.	Not completed	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu182	South Bus Platform - Near Pedestrian Bridge	Metal object (grating) lying behind shelter A. Must be removed	ET Provide picture		Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	RID-208	N & S platform	Missing lighting lense covers for lighting above platform level along cavern wall N/W platform, N/DWA, S/W platform (all fixtures on platform level should be checked for lense covers and burnt out lights)	ECD: June 21, 2019	New Item See Title and description column	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Ottawa	uO174	Ground wires	Unconnected ground wire hanging off bottom/side of Ad Panel. End of WB platform, (north)		New item	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL186	Washrooms (public)	Confirm the washroom entry doors will be held open during revenue service	OLRT to review new City comment		minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (FF)	Lees	Lees150	O-Sign post	1) Bolts too long - need cut 2-3 fillets above nut. 2) Post was installed directly under existing streetlight post feedwire (too close)		New Item	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	RID-212	North platform DWA	Replace broken hydraulic door support hinge on trash bin door on east side	ECD: July 19, 2019	NEW ITEM	Minor	Pre-RSA	Open	Open	\$275.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Ba120	Washrooms (Public)	Universal public washrooms - power door actuator inside too close to door swing - less than 600mm - both washrooms.	As per IFC, Use as is	Work in progress	Minor	Minor	Open	Open	\$300.00	1/22/2020	Minor
City PL (FF)	Lees	Lees125	Coiled grille	Main entrance grille is rusted / carbon contaminated due to overhead steel work - Needs to be cleaned		New Item	Minor	Minor	Open	Open	\$175.00	1/22/2020	Minor
City PL (FF)	St-Laurent	SW116	elevator symbol side mounted sign	[151] Signs too far from elevators as these signs are elevator locational ID symbols. Move closer to elevator. This incorrect location would be suitable for adding signs H2.2 arrow ahead (single sided)			Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney's Pasture	SW164	Running Green Man Symbol	Temporary running green man symbols installed on both platforms (on platform level, immediately east of West staircases). Should be replaced with permanent signage.			Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO81	Conduit and Wires	Exposed conduit by elevator shroud EB platform		Need more details from OCT	Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR 120	Station Elements Miscellaneous	EB DWA - Ceiling leak. Walls corroded and paint washed away. Water accumulator on back wall of DWA (on floor). Black waterproofing injections splattered throughout DWA on cabinet, between wall panels.	OLRT to complete		Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO135	Station elements miscellaneous	Station elements --> Eastbound platform near the northern elevator -- their overhead metal arm has peeling paint and what looks like rust			Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Hurdman	Hu77	Dent in CMP	At Skilight - Westbound Transcure area			Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR37	Paid Zone [02-100]	paint finish at top of steel column at GL C1-P1 south flange face to be repaired			Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Blair	BL54	Bus Operator's Building	exterior open excavation at electrical HandHole pull box to be backfilled (SE corner - next to driveway)	OLRT to Review		Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	Sw035	H2.2 ISA directional	[7] Remove side B as accessible sign leads to stairs, no accessible exit. Replace with Transcure symbol to mirror the methodology used at H2.2-L02-105-PN Side B or blank out as this sign does not exist at the other Transcure when on the near side.		Remove side B, and make sign blank	Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW119	Call box	[155] Phone directional signs in tunnel are wall mounted. We had initially asked for flag (side mount) signs for safety and security reasons.			Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW120	Call box	[Note] Will signage be placed on or near where stairs are blocked off by the mesh fence?			Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW123	Escalator emergency button	[158] emergency push button text is not bilingual. Is this an isolated incident?			Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW126	C4	[163] Sign faces west, sign is supposed to point east. It would be a significant improvement to relocate the C4 to the wall where the C3 is, and relocate the C3 to the wall on the west side of the elevator doors (all signs facing south)			Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SL133	BRT Kiosk (Comm. Cabinet)	Evidence of vermin in cabinet. Damaged / chewed battery terminals			Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SL146	SouthEast Emergency Egress Path	Prefinished metal closure panel missing at incoming watermain per pre-existing conditions			Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu159	Bus Loop - North Platform	Stop C: Please confirm that the raised foundation of the emergency phone is not a trip hazard.	ET: Who has it to confirm?		Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA

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City PL (FF)	Blair	BL55	Men's Public Washroom [01-107]	accessible stall door not gravity closing when fully open	Complete. City to review	Per accessibility requirements Not completed OTC to confirm	minor	Minor	Open	Open	\$120.00	1/22/2020	Minor
City PL (FF)	Lyon	LY-22		Painted surfaces damaged from water infiltration / injected waterproofing seepage to be repaired throughout all internal concourse to platform stair / escalator shafts	April 30th		Minor	Minor	Open	Open	\$120.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO123	Station elements miscellaneous	the LED lights behind the white panels are visible to the public (depending on the angle you are standing at). In addition, you can stick your fingers in the gap where the wires are visible and potentially accessible by hand or longer object (safety risk)	Flynn		Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY155	Platform [01-100]	Leaning rail not installed per IFC drawings and missing backer board supports			Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	St-Laurent	SW121	Door sign	[156] Door signs not installed at time of inspection			Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunneys Pasture	SW130	Concourse directional (north side)	[21] Incorrect amenity symbol, replace 'accessible family washroom' toilet symbol' with 'Accessible Washroom' symbol			Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunneys Pasture	SW132	Concourse directional (south side)	[23] Remove amenity symbol			Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO67	Platform Staircases (2) Glass	Glass Balustrade around Staircases to concourse. At Platform level. Corner (90 deg. In glass). Public can hit glass edge/sharp corner - at head height.	OLRT to meet on site with City to review. Installed as per design. Use as is.	This item is a safety hazard. This remains Pre-RSA	Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR10	Platform [01-101]	Leaning rail not installed per IFC drawings and missing backer board supports	WC to provide documentation. Deleted, as is	Verification / documentation from Designer to delete IFC elements is required	Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	SW144	Staff Washroom Signage	Staff Washrooms - Signage Missing	To review		Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	General Bayview	SW147	Station name band on UCS Lanterns (at interior - concourse)	The interior station ID names (white font on black band) are incorrect. They should mention the name only. The word "Station" is not part of the drawings and makes all these signs unilingual (for example Rideau instead of Rideau Station), they need correcting by removing "Station".			Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	SW148	North Facing Inter track WF sign	Spell error "ers" should be "vers"			Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	SW155	O Pyon	A1-EXT-005-FY: one side of the facade mounted O is not lighted			Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu178	Bus Loop - Manhole	Manhole location is cracked and requires repair before the winter: West end of layup - requires asphalt repair	ET: Damaged by others (Clarity is needed on area in question)		Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees148	Structural steel paint & Ground	WB Elevator Shaft Steel Frame columns need touch up paint at base. One column still on primer bottom 10ft (MUP side). Ground wire on that column failed. Need to be re-welded.	New Item		Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu217	Cleaning : Ladder rests	Roof to be cleaned around ladder rests. 4 locations. Immediately below ladder rests there are oil stains on platforms. To be cleaned	New item		Minor	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	RID-213	Top of escalators at open area at east and west concourse levels	Exposed BX cable for temporary lighting is draped over / along stainless steel cladding. BX should be removed and lighting should be made permanent if additional lighting is required to meet required LUX levels	NEW ITEM		Pre-RSA	Pre-RSA	Open	Open	\$120.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu247	Elevator pits	Water ponding in elevator pit. Deficient drainage. Elevator steel structure rusting. - Probable source of water is condensate from AC units	New item		Minor	Minor	Open	Open	\$120.00	1/22/2020	Minor

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City PL (FF)	uOttawa	u038	Paint touch-up in elec. room	Floor paint scaled under Snow-melt Electrical Cabinet			Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Blair	BL140	Elevator	South Elevator to be removed from public access and given to OC staff for maintenance operation.			Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Blair	BL183	Washrooms (public)	Electrical outlets on the counter are covered but not locked. They must be locked.			minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL191	Mall plaza	damaged light standard base			minor	minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (FF)	Rideau	SW094	C4 elevator directory	[85] Elevator symbol in top blue section should be flipped. Same for corresponding sign on the other platform			Minor	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	St_Laurent	SL144	East Emergency Egress Stairs	soil erosion along stairs undermining fence post hole concrete			Pre-RSA	Pre-RSA	Open	Open	\$100.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	u0185	Station elements miscellaneous	Screws missing in WB Elevator shroud		New item	Minor	Minor	Open	Open	\$75.00	1/22/2020	Minor
City PL (FF)	Guideway	A50053	Blair Str - Bus Waiting Area with Tensar Sierrascape Retaining wall	Issue of stones falling into the passenger waiting area	OLRTC to clean up the area	OLRTC to clean up the area	Minor	Minor	Open	Open	\$75.00	1/22/2020	Minor
City PL (FF)	Guideway	A50054	TPSS#7 - Tensar Sierrascape Retaining wall abutting the MUP	Issue of stones falling into the MUP	OLRTC to clean up the area	OLRTC to clean up the area	Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
City PL (FF)	Guideway	A50055	TPSS#7 - Tensar Sierrascape Retaining wall abutting the MUP	Issue of stones falling into the MUP	OLRTC to clean up the area	OLRTC to clean up the area	Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
City PL (FF)	Blair	BL153	Stairs and railings	Handrail and various stainless steel components appear to have rust	Material installed as per IFC drawings. City to review criticality. Noted as RTM maintenance. Croduim levels	OTC to review and verify completeness of cleaning before closing. Benches at west end sitting area rusting	minor	Pre-RSA	Open	Open	\$75.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	Sw074	C1 POI Map	[126] Turn C1 to face east (east grade level entrance)	Installed as to OLRT drawings	Revised City comment. C1 is installed as per the drawings, however, current location interferes with path of travel. Sign should be rotated and/or moved further south (closer to the TIP).	Pre-RSA	Pre-RSA	Open	Open	\$75.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	SW028	push doors	[140] What signage will be placed on push doors at lower concourse south side near public washrooms		City review of lighting report in progress. This remains Pre-RSA	Minor	Pre-RSA	Open	Open	\$75.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees129	Lighting Report: OLR-45-3-HUST-SVR-0001_0	Platform edges of both platforms, North ends, between gridlines 12 and 13; lighting measurements are lower than 200 (DRD-1301)	Reports being reviewed, no issues		Minor	Minor	Open	Open	\$75.00	RSA - TBD	PRE-RSA
City PL (FF)	Guideway	AS0048	Guideway Fence Gap at West Portal	Guideway fence is missing at the West Portal area on the north side - on top of the retaining wall and connection from embankment/slope to the retaining wall.	OLRT to complete. Waiting on new signs. As the symbol has been removed, ask to change criticality to minor	The criticality remains as Pre-RSA for the missing fence.	Pre-RSA	Pre-RSA	Open	Open	\$75.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu18	Bus Shelter provisions	Bus Shelter Provisions - Scott Street	ET		Minor	Minor	Closed	Open	\$10.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu43	BOB - Washroom Emergency Call Buttons	Bus Operator Building - Missing emergency call buttons in universal washroom and accessible stalls.	OLRT to review		Minor	Minor	Closed	Closed	\$0.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu74	Station elements miscellaneous	Above Southeast escalator - Temporary wireless antenna still in place.			Minor	Minor	Closed	Closed	\$0.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu85	Bus Operator Building	Missing smoke detector in universal washroom (far West structure) BOB	May 23rd to complete		Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu87	Bus Operator Building	No smoke detector or emergency switch in men's washroom or women's washroom or anywhere. (far West structure) BOB	May 23rd to complete		Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu91	Bus Operator Building	BoB: Vertical trim covering joints not secured to wall.	OLRT to review		Minor	Minor	Closed	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Tunney	Tu19	Art	Station Platform art mosaic Installation	Mid June		Minor	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA

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City PL (FF)	Bayview	Ba133	Station elements miscellaneous	Platform Roof - Cap Flashing missing at roof parapets	Repair ongoing	Outstanding item	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Pimisi	Pi 64	Station elements miscellaneous	Lower fare gates - Man gate missing top.	Flynn Flashing	Outstanding item	Minor	Minor	Closed	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-121	Station Elements Miscellaneous	Bell closet - BIX not labelled.	More clarification required. (BIX?)	The BIX block is used by Bell	Minor	Minor	Closed	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Parliament	PAR-134	Station Elements Miscellaneous	Gap at elevator mid-entrance, street level.	More clarification required		Minor	Minor	Closed	Open	\$10.00	1/22/2020	Minor
City PL (FF)	Blair	BL115	Bus Operator's Building	Remove graffiti on the east side of the BOB near the generator	OLRT to Review (ET)	OTC to review PA requirement	minor	Pre-RSA	Closed	Open	\$10.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL117	Bus Operator's Building	It appears that the conduit for the communications link to the BoB comes into the electrical room. There is a smaller conduit that seems to go somewhere that feeds Bell service from the BoB to feed OLRTs telephone needs at the station (demarc in the phone closet). Hopefully this smaller conduit goes into the comm room and there is room for our fiber to the BoB in there.	OLRT to Review (ET)		minor	minor	Open	Open	\$10.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0001	Backflow stop valve	Twin Box Culvert limit			Minor	Minor	Open	Open	\$10.00	1/22/2020	Minor
City PL (FF)	Guideway	AS0009	Line painting	MUFPs in the area between uOttawa and Riverside Dr Overpass			Minor	Minor	Open	Open	\$10.00	1/22/2020	Minor
City PL (FF)	Trackwork	AS0039	Proper Ballast Shoulder	Loss of ballast shoulder observed at multiple locations along the alignment (e.g St Laurent Tunnel, at Blair close to switch 328 etc). Ballast shoulder loss around FP 328 appears worse and requires quick attention		New Comment	Minor	Minor	Open	Open	\$10.00	1/22/2020	Minor
City PL (FF)	General	SW007	R10 Liability Notice	Liability notice to be revised as small pets are now allowed on Transit Property		OCT to work with RTM to update after RSA	Minor	Minor	Closed	Closed	\$0.00	1/22/2020	Minor
City PL (FF)	General	SW015	Fire extinguisher sign	[76] Decal at fire extinguisher cabinet not translated		Understand from OLRTC this will be coordinated with Vipond (as per Signage meeting on March 25th)	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	General	Sw025	Call box	[168] Not all phones have braille information plate at time of inspection			Pre-RSA	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Bayview	Sw034	C3 & C4 elevator directories	[Note] The installation of elevator signage at concourse level was not complete at inspection			Pre-RSA	Pre-RSA	Closed	Closed	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Sw048	Escalator push button	[55] French translation text compressed (different font to fit in space). Is this part of this package?			Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	DS0002	Revised design to be implemented	Turney's Station - Scott Street frontage		new	Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Civil	DS0010	Station east entrance frontage	Rideau Station		new	Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Civil	DS0012	-Removal of Poles and wires for Lane designation signs -Repaint final configuration with bike lanes (and 4 traffic lanes) -Removal of Chain Line Fence on South side -Removal of Transit Fence - North side -Removal of transit fencing on the south side -Adjust overhead signage WB direction at Waller (Authorized Vehicles Only)	Laurier Avenue East BRT detour removal	That has been /is going to be de-scoped	new	Minor	Minor	Open	Open	\$10.00	1/22/2020	Minor

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City PL (FF)	Civil	DS0014	-Reconstruct area from Laurier to Nicholas, includes landscaping to 50 Laurier along Waller St -Modify signage and pavement markings -Remove Chain Link Fence next to Waller St NB Exit and around Lot K -Replace/Repair U of O Simard Building Sign -Remove Temporary Stairs and Asphalt Walkway south Simard Building, adjacent to Lot K	East Portal / Waller Street south of Laurier		new	Minor	Minor	Open	Open	\$10.00	1/22/2020	Minor
City PL (FF)	Civil	DS0015	-Remove SB Bus Shelter pads and restore area	King Edward Avenue (Laurier to Mann)	The Bus Pads were installed as part of VE-229. The removal of the bus pads should be directed by a new VE. 2019-04-25 meeting. City said "Pre-SC" was an error and we agreed to change to minor in meeting.	new	Minor	Minor	Open	Open	\$10.00	1/22/2020	Minor
City PL (FF)	Civil	DS0020		Hurdman Pump Station		new	Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Civil	DS0021		Property South of Hurdman Station		new	Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Civil	DS0023		Bayview Yards Site		new	Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Blair	BL146	Platform	Centre lower lower platform transfer switch & ICF panel requires bollard protection	OLRT to review. Please clarify City Comment "N/A". Central Pre-Cast	OTC to review PA requirement	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	TU121	Air Curtain	Air Curtain Fire Alarm Testing	To provide Paper work	OLRT to OPEN - in order to close - air curtain documentation requested under RFI-P-PADI-1003 (Fire Alarm integration) so City can approve requested deviation on noise level	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR01	Paid Zone [02-100]	Roof leak at edge of skylight (south of grids 4-D)	OLRT to review new comment (date of inspection). Completed May 9th. City to verify.	Active roof leak observed on site May 3, and May 28	Pre-RSA	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL130	Conduits and Wires	Various exposed conduit in platform pillars	All caps completed week of March 25th as per IFC. Completed. City to verify	Not fully completed. OLRTC to review west end type 'C' columns with no closures	minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Lyon	Sw055	C4 elevator directory	[55] C4-L04-110 WN elevator directory stand does not reference level 2. Matching C3 elevator directory, wall mounted does reference level 2. This elevator travels to level 2. Update artwork.	OLRT to complete	Not accepted. C4 stand does not differentiate it's purpose and will indicate the elevator does not travel to level 2. Example customers approaching from PDV	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Tunney	Tu165	Bus Loop - South Platform	Concrete platform repair required on south platform near the west side of the pedestrian bridge. This presents a trip hazard.	ET To be included in VE-346 for bus pad comms connection		Minor	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA

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City PL (FF)	Lyon	LY-90		Power door buttons - Service corridor - Inside the service corridor entrance, the power door button is too close to the door swing; per the City ADS, section 4.2.8.f, the power door button should be mounted 600 mm to 1.5 m beyond the door swing.	ECD: June 28 2019	Confirmed that the power door button at the universal washroom is less than 600mm from doorway (Current position is roughly 500mm). Remains pending on June 11.	Minor	Minor	Closed	Open	\$0.00	1/22/2020	Minor
City PL (FF)	Tremblay	TR29	Site	Excessive gap opening between station east canted wall limit and guideway fencing	Results of site meeting? Installed as per IFC - Use as is.	OTC reviewed on site w/ OLRTC June 10 - Item Outstanding	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL200	Bus Loop Island	West end of Bus Loop Island require modifications. Design issue. Buses are hitting the curb.	Under discussion. RFI sent	WK 25 OTC sent sketch on how curb line needs to be modified in order for buses not to go over the curb of the island median	Minor	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	uOttawa	uO184	Concourse ceiling	Misaligned light fixtures in concourse wood ceiling above fare gates. Fixtures not parallel to wood pattern.			Minor	Minor	Closed	Closed	\$50.00	1/22/2020	Minor
City PL (FF)	uOttawa	uO189	Platform edge	Step between EB Platform and TWISI edge. Few mm. Hazard.		New item. Picture sent to Bill	Minor	Pre-RSA	Closed	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	PAR-151	W/B - Platform. West end of the platform	Plaque on the northwest corner of the platform, that was installed without City permission to be removed.	OLRt to review	New Comment	Minor	Pre-RSA	Closed	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR127	Maint Door - Station	Station Maint door (Close to elevator - concourse) touches the tile/Floor at the bottom while opening or closing	OLRt to review	Jul 09 - Item Opened	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Guideway	AS0059	Noise and Vibration Testing - Sensitive Receiver	Final noise & vibration monitoring testing report for NAC	OLRT to review	New Comment	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Guideway	AS0060	Noise and Vibration Testing - Sensitive Receiver	Final noise & vibration monitoring testing report for CBC	OLRT to review	New Comment	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Guideway	AS0061	Noise and Vibration Testing - Sensitive Receiver	Final noise & vibration monitoring testing report for GCC	OLRT to review	New Comment	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu239	BRT Concrete roadway	Concrete roadway damaged. Middle of concrete lanes. This is recorded as Pre-RSA but to be considered "Major Deficiency" as defined in PA as if not addressed it will impede on Bus Operations		New item	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Rideau	RID-084	Lighting	Confirm platform lights meet LUX levels	Complete. The LUX levels are compliant. Report issued.	Waiting for compliant report	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees017	Fritt pattern	Glass panes missing fritt pattern - Multiple areas		See if this is covered by NCR	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR35	Platform [01-101]	top and jamb of porcelain wall at GL-B9 to be finished	City to verify location.	Outstanding	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Tremblay	TR69	Lighting	Confirm nighttime LUX levels meet minimums	Waiting for final report. City please review criticality to Pre-RSA.		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY151	Entrance Lobby [02-101]	finish of steel column flange at grids A-3 to be repainted			Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Blair	BL53	Lower Concourse [01-101]	Utility Cabinet (UC-03) to be installed	Complete. All items installed April 16th. Paint touch-ups should be seen as minor. City to review Criticality.	Not fully completed, vertical closure panel beside FHC and header drip flashing missing. Scratch damage on left front finish panel. Changed criticality	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Lees	Lees136	Utility Cabinet	Hose bib missing in Utility Panels - Eastbound DWA & Westbound DWA		New item	Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information											Independent Certifier Pricing and Comments		
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (FF)	Bayview	Ba144	Station elements miscellaneous	Gap between utility cabinet and OCT supplied digital transit information cabinet (PID) where exposed conduit can be seen located at south of the lower fare gate entrance	Flynn (on strike)	Outstanding item	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Parliament	PAR-149	Lighting Levels	City's has provided comment to the Lux report for Parliament station. Furthermore the report itself identifies inadequate lighting at TVM area.		New - Comment. Provide timeline for addressing City's comments and implementing recommendation in the report.	Minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Turney	Tu39	Glazing	Frit Pattern Missing on Glass Screens (such as at Fareline, Stair Railings)	Stickers can be installed in critical locations. Identified in BCS inspections. Please provide critical locations.	20190408: Modified from Pre-	Minor	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Hurdman	Hu190	Wood Benches in DWA	Missing "Wall Features" as shown in REA-40-3-HUST-DRD-4501 and other IFCs. Refer to detail 2/5001 on DRD-4502.	BC to follow up OLRT to review new comment and provide documentation. OLRT Reviewed and wood bench has been deleted	OLRT-C to give details. Deleted by who? Why removed after IFC was issued?	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Cyrville	CY123	Station elements	Snow drifts on the fare gates at both levels. The station design must provide year-round weather protection of fare control.	OLRT to review. City to change criticality to minor RTM to maintain/remove snow. The accumulation of snow/rain is not the responsibility of RTM. City to discuss with OCT.	OTC to review w/ OC (Micro climate report should substantiate actual snow/ice/rain allowances)	minor	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (FF)	Civil	DS0036	West Portal Tie Backs	Tie Backs at the west portal can interfere with CSST boring machine		New item	Minor	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (FF)	Lyon	LY-133	Commissioning manuals	Commissioning manuals, subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service.	Transfer to SYSTEMS	OTC-FF team to track to closure. Not completed.	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	Vehicle	City Sys PL-78	AODA requirements	Vehicle-station clearance (AODA) with AW3 along the all stations	Apr 3 - City to review. JM UPDATE April 1, 2019: A meeting was held between the City, Alstom and OLRTC on March 27, 2019. Alstom explained to the City that the air supply system under rapid step loading to AW3 will result in the airsprings being 14 mm lower than where they should be (this is on top of other slack up tolerances due to rail/wheel wear and manufacturing tolerances). Alstom stated that it will take the system approximately two minutes for the air springs to recover. The	Outstanding - 25-Mar-19 This will be fixed with replacement of compressor with reservoir	Minor	Minor	Open	Open	\$40,000.00	1/22/2020	Minor
City PL (Sys)		City Sys PL-285	Missing Station Microphone & Dual Input	There are no station microphones, as described in PA. Only fire alarm panel phone available in Incident Control Panel (ICP) cabinet. PA calls for both: Schedule 15-2, Part 4, 6.3(c)(ix) "The system shall be prioritized for TSCC communications consoles, station microphone, fire alarm panel, and pre-recorded announcement devices." This audio input must be dual channel: Schedule 15-2, Part 4, 6.3(c)(xiii) "The local station PA systems shall accept an additional mixed input from a secondary audio channel. This secondary system shall be muted or attenuated on arrival and departure of the trains or when safety critical public announcements are made."			Minor	Minor	Open	Open	\$11,500.00	1/22/2020	Minor
City PL (Sys)	Parliament	City Sys PL-288	Wall mount speakers ceiling mounted Parliament	PA speakers at Parliament West entrance down to concourse are not ceiling mount units but rather wall mount units, yet are installed through a square cutout of ceiling panels. The speakers and cutouts don't align properly. This is bad workmanship and is unacceptable.			Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
City PL (Sys)	MSF	City Sys PL-13	MSF CBTC update to revised guideway-major.	MSF Guideway - Handover Platforms: Simulator software and training material do not reflect the actual track layout of the MSF area, including handover area and switches on track 39.	MS - Minor issue will be resolved post RSAD - no operational impact SN: Agree, they will be collected during trail running. After SC, before RSA		Pre-RSA	Pre-RSA	Open	Open	\$5,000.00	1/22/2020	Minor
City PL (Sys)		City Sys PL-85	HOL Neutral-Ground bonding test	HOL Neutral-Ground bonding test for all TPSSs with trial running test are outstanding		Outstanding - 25-Mar-19	Pre-RSA	Pre-RSA	Open	Open	\$7,500.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-113	Degraded mode tests (see letter)		Apr 16 - Some testing occurred april 10 -12. More testing is still required. Apr 5 - MS - Correct, will be done before SC		Pre-RSA	Pre-RSA	Open	Open	\$4,250.00	RSA - TBD	PRE-RSA

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	Vehicle	City Sys PL-403	TPSS Camera Issues	Systematic issues affecting over 50% of cameras includes inability to focus at night and lack of dynamic range resulting in light fixture being overexposed over door area (white blob) and pitch black on sides of substations. 2 cameras (TPSS 6 & 7) are showing a much wider view due to distance resulting in loss of detail on TPSS and overexposure of light.	OLRT to Review		minor	Minor	Open	Open	\$5,000.00	1/22/2020	Minor
City PL (Sys)	System-Wide	City Sys PL-303	Platform Intrusion Detection Lights Stay On - Bayview	Platform intrusion detection system installed on Trillium Line platform at Bayview station will turn on lights if intrusion is detected when station is "Closed" in SCADA; but they will not turn off until next scheduled "off" trigger by lighting system. It seems this would be around sunrise time but not confirmed. If intrusion is detected early in night, lights will stay on 6-7 hours if this is correct. Surprise factor of security lights is lost if another intrusion is detected that same night.			Minor	Minor	Open	Open	\$2,750.00	1/22/2020	Minor
City PL (Sys)	System-Wide	City Sys PL-114	Mission selection not automatic		<p>Jun20 - JM: Final Testing with City now planned for July 5th.</p> <p>Escalate</p> <p>Apr 10 - JM to provide status update.</p> <p>Apr 3 - JM and ED to discuss.</p> <p>JM UPDATE April 1, 2019. A meeting was held between the City, Alstom and OLRTC on March 28, 2019. The actions from the meeting were as follows: 1) City to provide updated story board for passenger announcements 2) Alstom to update PAPIIS software once</p>	April 12 - City understands that automatic mission selection will not be ready for RSA. Training required for operators for temp solution	Minor	Minor	Open	Open	\$2,750.00	1/22/2020	Minor
City PL (Sys)	TPSS	City Sys PL-334	Fencing around H.O.L. feeder switch at TPSS7	Fencing around the H.O.L. feeder switch at TPSS7 / Cyrville to be grounded and bounded with grounding grid of H.O.L. feeder switch according to OESG standard & H.O.L. (2.4m clearance requirement /including with EAS confirmation).	<p>City to change criticality to PRE-RSA</p> <p>June 19-5N arranging for grounding completion</p> <p>Jun07 - 5N to review</p>		Pre-RSA	Pre-RSA	Open	Open	\$4,000.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRTC Comments	City Comments	Criticality OLRTC	Criticality City	Closure OLRTC	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	Vehicle	City Sys PL-73	Event Recording, full list	RTG has to provide recording list to prove all the requirements according PA are recorded for the future	JM: OLRTC does not consider this a major issue. The listing of all Event recorder channels was submitted under ALS-OLRTC-02367 in support of SCR-086	Leyla to provide details RH- Agree Minor. Will review SC-086 RTG provided RFI-P - ALS - 1030: Event Recorder Data Request from 21st November 2018 - LR25 to City but the files provided here are not compatible with standard AutoCAD software as suggested by OLRTC. Details on the file types provided and the software required to read them should be discussed by the technical leads. LCP / Mar. 19th, 2019	Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
City PL (Sys)	System-Wide	City Sys PL-92	APC approach		Mar 27 - Escalate HL: the PMS will be provided as part of SCADA build 2. Minor, post-RSA.	Functionality still to be demonstrated	Pre-RSA	Pre-RSA	Open	Open	\$2,100.00	RSA - TBD	PRE-RSA
City PL (Sys)	Lees	City Sys PL-352	Emergency egress door monitoring	Detector and wire not connected (for SCADA) - Paid zone door, next to Fare gates	OLRTC considers this minor - if PSOS it was requested to be removed by BCS due to common alarm sound. Also not SCADA. City to assess. Transfer Lees037 to SYSTEMS	Agree to transfer and close when its confirmed System is tracking this. Changed to Minor	Minor	Minor	Open	Open	\$2,000.00	1/22/2020	Minor
City PL (Sys)	St_Laurert	City Sys PL-363	BRT Kiosk (Comm. Cabinet)	Cooling unit has been disconnected and does not have a thermostat control. Runs constantly when connected.	Transfer SI.135 to Systems	Not completed	Pre-RSA	Pre-RSA	open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (Sys)	SCADA	City Sys PL-272	SCADA systems labelling	Labels are not consistent with station acronyms/ abbreviations across labels SCADA, ATS, manuals. LRV operators prioritize late - train depart - pass depart - schedule time (Dwell expiry)	Escalate Apr 10 - Further discussion RH/Rupe.	July 16 - Agree to move to Pre-RSA (Need to find solution before RSA) Downtown east and downtown west label configuration as per original design...this applies to 5 stations. True for Willowglen, cameras. OLRTC will confirm scope of issue and determine next steps.	Minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
City PL (Sys)	System-Wide	City Sys PL-299	Delayed Departure from platform.	Automatic Door operation - Train door closure completed 2 seconds after depart time - delay departure by 3s, until system enables the depart button. Delay after Depart and DRS press. After the ERO presses the depart button "DRS" LRV delays for a further 3 seconds. 5-6 second delay in Auto doors 3s with doors closed manually early Requirement is zero (depart at dwell expiry)	System		Minor	Minor	Closed	Open	\$1,200.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information										Independent Certifier Pricing and Comments			
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	OCS	City Sys PL-323	CCL-Segment 2-Bonding & Grounding & Tunnel Embedded Requirements (REJ-OLR-56-2-CCL-0164-0)	The letter is confirmed with exception of the following statement by RTGEJV: "The tunnel pullbox side cover fire barrier intumescent material (3M brand face) needs to be installed facing the inside of the pullbox (against the concrete upstand wall) to function correctly. The 28 gauge galvanized steel side should be on the outside, and is to be sandwiched between pullbox cover." The above issue should be completed and then provided in the final CCL letter.	July 09 - OLRT requests criticality change to Pre-RSA July 3 - SN to review with FN New item (2019-05-31) - to be reviewed	Pre-RSA agreed 10 Jul	Pre-RSA	Pre-RSA	Open	Open	\$1,000.00	RSA - TBD	PRE-RSA
City PL (Sys)	MSF	City Sys PL-404	Incorrect Storage She Signage	The workstation screens in YCC show twelve (12) tracks in the Belfast train storage shed numbered from 23 to 34. However, the signage above the entranceway to the storage shed is labelled as SL1, SL2, ... SL6. Confusion between field personnel and YCC could lead to incorrect routing of train	OLRT to review	This is considered a safety issue that could impact yard operations	Pre-RSA	Pre-RSA	Open	Open	\$2,000.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-174	Energy Target Letter	Documentation not submitted	April 10 - Tracked on Non-Technical Compliance Matrix reference ID 88112		Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (Sys)	OCS System-Wide	City Sys PL-324	CCL confirmation letter of OCS System (REJ-OLR-54-0-CCL-0131_0)	July 16 - SN to review with Kai then provide feedback to RH CCL confirmation letter of OCS System is signed by RTGEJV with the exception of following: " All deficiencies as noted on the TSSS and OCS deficiency punch list, in particular the items noted below: -Some OCS supports under overpasses and bridge structures need to be grounded. -OCS sections in the underground tunnel where there are removable sections will need to be adjusted to ensure better alignment over the gapped section. Once construction work has been completed a final site review will be carried out to confirm general conformity with the drawings and specifications prepared by RTGE Joint Venture." The above safety related items need to be completed and confirmed by the letter.	July 09 - OLRT requests criticality change to Pre-RSA July 3 - SN to review with FN New item (2019-05-31) - to be reviewed	10 Jul -RH requested update from Florida	Pre-RSA	Pre-RSA	Open	Open	\$550.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-339	Fencing issues	Hurdman - Access through scaling guideway fence (this area has fence damage) Cabinet is designed to be weatherssealed and should be sealed from the exterior environment. Floor baseplate loose, missing bolts, conduit and openings should be sealed	Jun07 - SN to transfer to ET		Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (Sys)	St_Laurent	City Sys PL-362	BRT Kiosk (Comm. Cabinet)	Transfer SL134 to Systems	Transfer SL134 to Systems	Not completed	Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (Sys)	Cyrville	City Sys PL-367	Entrance Lobby [01-102]	maintenance door SCADA wiring to be completed	Transfer CY30 to Systems		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (Sys)	Cyrville	City Sys PL-368	Entry Lobby [02-100]	maintenance door 02-100A SCADA wiring to be completed	Transfer CY38 to Systems		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
City PL (Sys)	St_Laurent	City Sys PL-384	E-Phone	Concourse utility cabinet West side Cut-out missing E-Phone.	Phone deleted need to install blank cover Transfer SL67 to Systems	OTC to review with Systems team prior to closing	Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
City PL (Sys)	St_Laurent	City Sys PL-385	Station Elements Miscellaneous	WB - Holes in TIFs - Possibly ETEL or ITEL missing?	Phone deleted . Installing blank cover Transfer SL113 to Systems	OTC to review with Systems team prior to closing	Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	System-Wide	City Sys PL-91	Intrusion access workstation		<p>Jun19 - OLRT requests City to review criticality.</p> <p>Jun12 - SN to get update on City card programming</p> <p>Jun07 - Closed from OLRT view (RTM issue)</p> <p>Apr 10 - Ongoing - linked with item 93.</p> <p>Apr 3 - RTM - Johnson Controls working with OCT.</p> <p>Mar 27 - Not working. Update required. (DM) (RF) (TP) WG/TS. OLRTC considers this Minor. ERCs have been trained on the IAC workstation.</p> <p>Any of the trained ERCs</p>	<p>ED10 Jun 19: Workstation in place. OCT cards not programmed yet (not possible yet to program the Ottawa city card.</p> <p>Intrusion access workstation: The City has not seen any documentation on how this will be managed. A large number of City employee credentials need to be entered and managed using this system. RTM (Grant Bailey) asked OCT to be the system admin for this, but this is not documented. If this does indeed occur, then we have not seen any handover process, training, roles etc.</p> <p>The workstation has been delivered to OCT on the 31st</p>	Pre-RSA	Pre-RSA	Open	Open	\$750.00	RSA - TBD	PRE-RSA
City PL (Sys)	Tremblay	City Sys PL-6	Phone not mounted near Coombs Room door	mTel in Tremblay (?) Comms Room not mounted near door but rather hidden behind server rack, not as per design.			Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (Sys)	Cyrville	City Sys PL-43	Gabions at Cyrville - South side	These gabions create stepping stones from the roadway to the guideway		Forcing is required to restrict access to the guideway.	Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (Sys)	Pimisi	City Sys PL-44	Gabions at Pimisi	These gabions create stepping stones from the roadway to the guideway		Forcing is required to restrict access to the guideway.	Minor	Minor	Open	Open	\$100.00	1/22/2020	Minor
City PL (Sys)		City Sys PL-16		The ability to remotely reset the ZC must be incorporated before completion.			Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (Sys)		City Sys PL-17	ASC station stopping - rough brake - major.	ASC station stopping: rough approach at final stopping to zero speed condition			Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (Sys)		City Sys PL-19	Timetable Compiler- Travel times are incorrect. - Major	Timetable Compiler - Travel Times for Accelerated, Normal, and Energy Saving modes are not accurate and some are missing.			Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
City PL (Sys)	CBTC	City Sys PL-20	CBTC movement during VOBC Self test - minor	OLRT_SOR-054: The Train Operator must not move a manually driven train if the TOD indicates that the VOBC self-test is in progress; if an unexpected emergency situation requires the train to be moved while the TOD indicates that the VOBC self-test is in progress, the Train Operator must switch cut-out mode in order to move the			Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
City PL (Sys)	CBTC	City Sys PL-27	CBTC TOD Indication of station fire event. Depart. Minor	Station Fire Detection: If a station fire is detected while a train is held at the station, the ATS will automatically release the train hold, however the TOD will indicate that the train is held. Despite this TOD hold indication the train will depart as required.			Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor

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City PL (Sys)	Vehicle	City Sys PL-72	Regeneration	Vehicle regeneration at the alignment while trial testing		Vehicle regeneration at the alignment while trial testing has to be done to provide evidence for the Energy target consumptions.	Pre-RSA	Pre-RSA	Open	Open	\$300.00	RSA - TBD	PRE-RSA
City PL (Sys)	CCTV	City Sys PL-86	LRV CCTV live viewing of cameras from Transit Law		Apr 18- Please see item 87. Apr 10 - Edi to provide status. HL: part of SCADA build 2 Edi: Minor. This function is will be available the third week of March to the TSSC.	Design has not been provided.	Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-156	EOMA-HOL Agreement Amendment		Apr 9 - CP - to review the letter provided by HOL.	ED: HOL have written to Cesar a couple of weeks ago with a proposed amendment to the EOMA. I've attached the MSF EOMA , there is one for each Station + MSF. The original EOMA were signed by RTC, OLRTC and City. This was normally communicated directly between HOL and OLRTC, but HOL have told they are not getting any traction right now on this, and must be signed asap.	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	CCTV	City Sys PL-87	LRV CCTV remote viewing of events from SCU		Jun07- Edi and ED to review. May 15- Interface troubleshooting in progress, Completion estimated date May 20 April 18 - Estimated completion date May 10 Mar 27 - Escalate HL: part of SCADA build 2 SN: Functionality available at MSF in the equipment room. Use as-is.	City to confirm SCADA build 2 acceptance - 25-Mar-19 Location of archived video footage does not meet PA.	Pre-RSA	Pre-RSA	Closed	Closed	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	CBTC	City Sys PL-314	Latent Train location image on ERC Display	When VOBC fails and loses communication with the ATS the ATS retains the last known position of the vehicle on the ATS display to the Controller. This persists after the train is manually removed. There is no facility to remove or clear this ghost image. This shows a false train location information to the ERC. Other ERCs in the control area may use the false information in decision making process. - need recovery process and timeout to clear incorrect data.			Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	CBTC	City Sys PL-315	Incomplete implementation and testing of ATS regulation functions.	The CBTC ATS system has implemented and provided schedule regulation recovery functions. "service recovery", "peak limiting" (energy), and coordinated departure. These functions are delivered in the field, but are not configured, tested, nor are controllers provided with up to date training and information on their use.	Jun07 - MS to respond regarding Thales		Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	TPSS	City Sys PL-325	Construction Conformance letter - Communications Systems - TPSS 1 to TPSS9 (REJ-OLR-53-1-CCL-0221_1 REJ-OLR-53-1-CCL-0222_1 REJ-OLR-53-3-CCL-0223_1 REJ-OLR-53-3-CCL-0224_1 REJ-OLR-53-4-CCL-0225_1 REJ-OLR-53-4-CCL-0226_1 REJ-OLR-53-5-CCL-0227_1 REJ-OLR-53-5-CCL-0228_1)	The Construction Conformance letters of Communication Systems TPSS 1 to 9 are conditional: "This letter is supported by and contingent on the successful completion of the Verification and Validation program carried out by OLRTC."	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	OCS	City Sys PL-326	DCL design confirmation letter of OCS Mainline Design (REJ-OLR-54-0-DCL-0233_0)	The design confirmation letter for OCS Mainline Design does not include MVA design shop drawings.	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	TPSS	City Sys PL-327	DCL design confirmation letter of TPSS s Communication Systems (REJ-OLR-53-1-DCL-0235_1 REJ-OLR-53-1-DCL-0236_1 REJ-OLR-53-3-DCL-0237_1 REJ-OLR-53-3-DCL-0238_1 REJ-OLR-53-4-DCL-0239_1 REJ-OLR-53-4-DCL-0240_1 REJ-OLR-53-5-DCL-0241_1 REJ-OLR-53-5-DCL-0242_1)	The Design Confirmation letters of Communication Systems TPSS 1 to 9 are signed with excluding TPSS SCADA follow: "SCADA (Includes station SCADA; excludes CBTC, TVS, TPSS)"	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	TPSS	City Sys PL-328	DCL design & CCL & ICL confirmation letter of TPSSs Power Load Capacity for system wide	The CCL & DCL & ICL letters are not providing confirmation for actual design of the TPSSs transformer and rectifier unit. Final Design Review Report - RES-56-0-0000-REP-0093-Rev.3 is missing from evidence provided	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-329	ICL letters for EMC/EMI	ICL letters for EMC/EMI are not provided.	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-330	ICL letters for Corrosion	ICL letters for Corrosion are not provided.	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-331	14 CCL letters for Communications & Signals are missing Safety Integrity compliance verification. (REJ-OLR-53-1-CCL-0229 R1 to REJ-OLR-53-1-CCL-0242 R1)	Non-compliant: no Safety Integrity level (SIL) 2 compliance verification in accordance with IEC 61508.	New item (2019-05-31) - to be reviewed		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-322	ICL Revisions	ICL need to be resigned upon review of most up to date SIT reports	July 09 - OLRT requests criticality change to Pre-RSA (documentation only) July 3 - SN to review with EN	Jun07 - City to review with SEMP	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
City PL (Sys)	TOCC	City Sys PL-89	FACT approach at TOCC - how can ops talk on FTTEL and be on a workstation at the same time?		<p>Apr 17 - City to provide direction this week. Remain on list until VE received then close. ED</p> <p>Apr 3 - City to review letter.</p> <p>WG, from Peter Oakley:</p> <ul style="list-style-type: none"> The Maintenance Controller acknowledges a fire alarm by moving to the fire alarm panel location on the adjacent wall. This is common practice, FAPs are usually situated away from the main control desks. If a fire alarm escalates to stage 2 it would be good practice to nominate a TSSC incident commander 	<p>Mar 27 - City reviewing letter from RTG</p> <p>April 8 - City issuing VE</p> <p>End of June for 2 additional consoles + new functionality</p>	Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	Bayview	City Sys PL-343	Commissioning Manuals	Commissioning manuals	June 10 - The next release date is RSA. SN Transfer Ba135 to Systems	Subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service.	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	Pimisi	City Sys PL-346	Station elements miscellaneous	Commissioning Manuals	June 10 - The next release date is RSA. SN Transfer Pi108 to Systems	Subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service.	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	uOttawa	City Sys PL-351	Commissioning Manuals	Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	June 10 - The next release date is RSA. SN Transfer uO141 to Systems	City review of Manuals in progress. This remains Pre-RSA	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	Lees	City Sys PL-353	Commissioning Manuals	Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	June 10 - The next release date is RSA. SN Transfer Lees127 to Systems	City review of Manuals in progress. This remains Pre-RSA	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	Hurdman	City Sys PL-356	Commissioning Manuals	Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	June 10 - The next release date is RSA. SN Transfer Hu209 to Systems	City review of Manuals in progress. This remains Pre-RSA	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	Tremblay	City Sys PL-360	Commissioning	Commissioning manuals, subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service	June 10 - The next release date is RSA. SN Transfer TR125 to Systems	City to review after submission of Commissioning Manuals	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	St_Laurent	City Sys PL-364	BRT Kiosk (Comm. Cabinet)	O&M Manual documentation on systems operation (HVAC / UPS) to be submitted	Transfer SL137 to Systems		Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	St_Laurent	City Sys PL-365	Commissioning	Commissioning manuals, subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service	June 10 - The next release date is RSA. SN Transfer SL131 to Systems	City to review after submission of Commissioning Manuals	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	Cyrville	City Sys PL-371	Commissioning	Commissioning manuals, subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service	June 10 - The next release date is RSA. SN Transfer CY157 to Systems	City to review after submission of Commissioning Manuals	Pre-RSA	Pre-RSA	Open	Open	\$50.00	RSA - TBD	PRE-RSA

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Deficiency Information										Independent Certifier Pricing and Comments			
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City PL (Sys)	Tunney	City Sys PL-388	Commissioning	Commissioning manuals , subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service.	June 10 - The next release date is RSA. SN Transfer Tu137 to Systems		Pre-RSA	Pre-RSA	open	Open	\$50.00	RSA - TBD	PRE-RSA
City PL (Sys)	CBTC	City Sys PL-395	Test Operation - Headway	Demonstrate that CBTC system can deliver required minimum headway.	Jun26 - MS to Escalate to MM	July 16 - switch done, the 2 min ongoing. Report needed (MM: easy enough to close). 10 July 2.1 min headway for 2030 - this could be demonstrated now by lifting restriction on 4 LRVs in tunnel. This test will be challenging during service. If the test fails, re-work may be significant scenario 3 - 105 seconds without turnbacks - as above, ZC halted upon demonstration attempt in April	Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	CBTC	City Sys PL-400	CBTC - ISK Command	ISK command takes a long time (>20s) to implement ISK from TOCC. This is impacting operation.	July 16 - SN: OLRT to close this week	10Jul- New issue in 5.05. details reported to Thales site team.	Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	CBTC	City Sys PL-401	CBTC - ATS Does not depart trains after system hold released.	After system hold engaged, and then released. All trains need to be changed to RM to be able to continue. New issue in 5.05		July 16 - it is a pre trial running...MM: they will be deferred to this PM's meeting (Tuesday) 10Jul- New issue in 5.05. details reported to Thales site team.	Pre-RSA	Pre-RSA	Closed	Open	\$0.00	RSA - TBD	PRE-RSA
City PL (Sys)	System-Wide	City Sys PL-11	Disturbed switch impacts complete system service - Major	Disturbed Switch - Single Failure on track switch disables all routes through both sides of guideway - system needs to continue passenger service with 1 disturbed switch on mainline. - Flank Protection Function	Jun26 - OLRT still waiting for City SOP to complete the testing Jun19 - Waiting for City SOP Jun07- SOP incoming. Test pending on SOP. Apr 17- Escalate - ED See letters OLR-RTG-08-0-LET-1287, RTG-OTT-08-0-LET-0769. Also see NCR-0825. Closed here (do not track duplicates.)	Mar 27 - City will review after focus meeting. Need to demonstrate the expected MTBF are being met. Current failure rate provided to RuH. Need root cause analysis.	Pre-RSA	Pre-RSA	open	Open	\$50.00	RSA - TBD	PRE-RSA

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Incomplete	MSF	INC-59	Legal Land Survey	26.11 Post-Completion Survey (a) Not more than 90 days after the Final Completion Date, Project Co shall cause an up-to-date topographical and an up-to-date legal survey of the Lands to be completed by a duly qualified surveyor to be delivered to the City.			Minor	Minor	Open	Open	\$250,000.00	1/22/2020	Minor
Incomplete	Technical	INC-39	As-Built Drawings (All asbuilts including NCC lands)	44 amount of 210 As-builts submitted to City (21% complete)			Minor	Minor	Open	Open	\$80,000.00	1/22/2020	Minor
Incomplete	MSF	INC-50	MSF Reconfiguration Elements after LRV Vehicle Assembly	Planned tracks inside the maintenance building - track 15			Minor	Minor	Open	Open	\$100,000.00	1/22/2020	Minor
Incomplete	MSF	INC-52	MSF Reconfiguration Elements after LRV Vehicle Assembly	Some devices to be adjusted upon reconfiguration (cameras, speakers etc).			Minor	Minor	Open	Open	\$50,000.00	1/22/2020	Minor
Incomplete	Systems	INC-29	SCADA, FIDS	Integration with Fence Intrusion Detection System (FIDS)			Minor	Minor	Open	Open	\$30,000.00	1/22/2020	Minor
Incomplete	Systems	INC-30	SCADA, HSDR	Integration with Vehicle HSDR to SCADA (Alstom). Including on-board functions like PIDS, CCTV, courting, health monitoring			Minor	Minor	Open	Open	\$30,000.00	1/22/2020	Minor
Incomplete	Systems	INC-31	SCADA, ATIS	Integration with Advanced Traveler Information System (ATIS)			Minor	Minor	Open	Open	\$30,000.00	1/22/2020	Minor
Incomplete	MSF	INC-57	MSF Reconfiguration Elements after LRV Vehicle Assembly	Train wash - need to reconfigure "regular" wash			Minor	Minor	Open	Open	\$20,000.00	1/22/2020	Minor
Incomplete	Rideau	INC-42	Rideau - light fixtures				Minor	Minor	Open	Open	\$15,500.00	1/22/2020	Minor
Incomplete	MSF	INC-58	MSF Reconfiguration Elements after LRV Vehicle Assembly	Friction wheel stops in MSF			Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
Incomplete	Deliverables	INC-40	Updates to O&M Manuals				Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
Incomplete	Systems	INC-28	NMS final test	Network Management System, system-wide SIT			Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
Incomplete	Systems	INC-33	PMS integration	Performance Monitoring system (RTM's IMIRS)			Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
Incomplete	Systems	INC-34	Non-Revenue Vehicle detection	Non-Revenue Vehicle detection and associated works			Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
Incomplete	Systems	INC-35	Install Piezo Audible alarm	Installation of IAC audible alarm to be performed 140 devices. Wiring already complete.			Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
Incomplete	Systems	INC-9	Updates to Commissioning Documentation	Commissioning Manual: System Wide			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
Incomplete	Systems	INC-15	Updates to Commissioning Documentation	Commissioning Manual: M&E Turney's BOB			Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
Incomplete	Deliverables	INC-47	Systems Engineering Assurance	Documentation updates			Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
Incomplete	Environment	INC-38	Noise and Vibration report	Schedule 17 Environmental Noise and Vibration Report. This test will be performed during Trial Running, thus the report will be delivered after Substantial Completion. Compliance Matrix id: 103147, 103148, 103149, 103168, 103170, 103171, 103172, 103173, 103175, 103176, 103177, 103178, 103180			Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
Incomplete	Deliverables	INC-41	Warrantees				Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
LRV	Vehicle	LRV-32	LRV Minor Deficiency	Product improvement to add fire tricks to passenger door pockets.	300 hours per vehicle. The vehicle has to be taken out of service to do this work		Minor	Minor	Open	Open	\$965,600.00	1/22/2020	Minor
LRV	Vehicle	LRV-27	LRV Minor Deficiency	Exterior inter-car bellows	48 hours per vehicle. Vehicle will have to be taken out of service unless done a section at a time.		Minor	Minor	Open	Open	\$284,240.00	1/22/2020	Minor
LRV	Vehicle	LRV-25	LRV Minor Deficiency	Hydraulic brake reservoir tank and piping	90 hours per vehicle. Vehicle will have to be taken out of service		Minor	Minor	Open	Open	\$264,200.00	1/22/2020	Minor

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Deficiency Information						Independent Certifier Pricing and Comments							
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LRV	Vehicle	LRV-34	LRV Minor Deficiency	Interior & Exterior Decals	1 hour per vehicle. Alstom to provide dates of decals when they will be made available. Work can be one as decals become available.		Minor & Pre-RS	Minor & Pre-RS	Open	Open	\$179,520.00	1/22/2020	Minor
LRV	Vehicle	LRV-4	LRV Minor Deficiency	Change to air supply system	20 hours per vehicle. The vehicle will have to be taken out of service		Pre-RSA	Minor	Open	Open	\$97,600.00	RSA-TBD	PRE-RSA
LRV	Vehicle	LRV-40	LRV Minor Deficiency	Lateral dampers leaking	8 hours per vehicle. 25% of fleet affected.		Minor	Minor	Open	Open	\$73,400.00	1/22/2020	Minor
LRV	Vehicle	LRV-47	LRV Minor Deficiency	Ottawa chrome emblem peeling an some not installed	30 minutes per vehicle		Minor	Minor	Open	Open	\$70,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-23	LRV Minor Deficiency	Cab sliding window to be replaced due to leaking	20 hours per vehicle. Vehicle has to be taken out of service.		Minor	Minor	Open	Open	\$97,600.00	1/22/2020	Minor
LRV	Vehicle	LRV-273	Modification List	Door Roof Arches lip added	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$51,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-294	Modification List	Roof Hood holding bracket on Roof Faring Update (CR00192/5)	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$45,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-10	LRV Minor Deficiency	Door operator sensitive edge alignment	16 hours per vehicle		Pre-RSA	Pre-RSA	Open	Open	\$38,080.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-11	LRV Minor Deficiency	Cab side window glass cracked	16 hours per vehicle. Vehicle will have to be take out of service.		Pre-RSA	Pre-RSA	Open	Open	\$78,080.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-287	Modification List	Roof plate wind reinforcement	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$34,877.00	1/22/2020	Minor
LRV	Vehicle	LRV-285	Modification List	Network housing potential: grounding improvement	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$33,291.00	1/22/2020	Minor
LRV	Vehicle	LRV-30	LRV Minor Deficiency	Any bogie castings that need to be changed out	16 hours per vehicle Vehicle will have to be taken out of service. 3 vehicles affected.		Minor	Minor	Open	Open	\$33,360.00	1/22/2020	Minor
LRV	Vehicle	LRV-286	Modification List	End-Ring Ground Braid update	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$30,121.00	1/22/2020	Minor
LRV	Vehicle	LRV-68	LRV Minor Deficiency	Interior ceiling panels not secure (interior roof arches)	Vehicle interior ceiling panels are not secure and fall down during vehicle operation. Alstom will apply temporary solution to all 34 vehicles and final solution will come during Warranty Period. Temporary solution for Pre-SC. June 19, 2019: Alstom have applied temporary solution to all vehicles, permanent solution to be applied during warranty period.		Minor	Minor	Open	Open	\$25,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-279	Modification List	END BOXES Routing Improvement	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$23,779.00	1/22/2020	Minor

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LRV	Vehicle	LRV-281	Modification List	Under roof wiring protection (screws caps)	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$20,609.00	1/22/2020	Minor
LRV	Vehicle	LRV-295	Modification List	UTO loop closed when UTO engaged	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$20,609.00	1/22/2020	Minor
LRV	Vehicle	LRV-46	LRV Minor Deficiency	Pantograph springs corroding	4 hours per vehicle. 10% of fleet affected.		Minor	Minor	Open	Open	\$20,450.00	1/22/2020	Minor
LRV	Vehicle	LRV-80	Punch List	Decal film is peeling in multiple locations - entire fleet. see punch lists for specific locations	Item transferred from Vehicle Final Acceptance Punch List		Pre-RS	Pre-RS	Open	Open	\$20,000.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-278	Modification List	Improvement of internal display ground braid installation	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$20,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-280	Modification List	Cab ceiling Equipment (ground braiding)	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$20,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-282	Modification List	IMC Under frame Harnesses protection update	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$20,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-284	Modification List	Motor wiring protection	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$20,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-22	LRV Minor Deficiency	Root cause for APU/TPSS issue	Estimate 8 hours per vehicle (tow units at 4 hours each.) Root cause not yet known but suspect sub standard components within the APU. Potential future modification		Minor	Minor	Open	Open	\$20,400.00	1/22/2020	Minor
LRV	Vehicle	LRV-54	LRV Minor Deficiency	Bogie skirts lock durability	8 hours per vehicle		Minor	Minor	Open	Open	\$20,400.00	1/22/2020	Minor
LRV	Vehicle	LRV-104	Punch List	The paint on some of the roof panels where stanchions get bolted to the roof is not done properly in the LCC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$17,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-83	Punch List	Washers and bolts on floor are rusting	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$16,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-103	Punch List	Faint flaking on intercar dampers - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-288	Modification List	Add temper proof cap on Event Recorder circuit breaker	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-296	Modification List	TB1.DESK : swap in terminal board	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-299	Modification List	Tread plate to liner gaps to close	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$15,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-50	LRV Minor Deficiency	Roof panels to be redesigned	6 hours per vehicle. This can be done as vehicle is available to work on		Minor	Minor	Open	Open	\$14,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-290	Modification List	Pillar Base Slot to be sealed	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$13,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-43	LRV Minor Deficiency	End box hardware is corroding	3 hours per vehicle		Minor	Minor	Open	Open	\$12,750.00	1/22/2020	Minor

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LRV	Vehicle	LRV-87	Punch List	LMC1 LHIS. Roof panels with OC Transpo text are dented/misaligned	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-90	Punch List	Hydraulic hose at LMC2 coupler is covered with PMA but not at LMC1 coupler	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-94	Punch List	Roof fairing panel misalignment between LMC1 and LMC1 cab	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-152	Punch List	Underframe IMC was wet , underframe seems to have suffered some damage	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-265	Punch List	LMC1 Windscreen defrost defect - resistance too high. Windscreen will need to be replaced	Item transferred from Vehicle Provisional Acceptance Punch List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-267	Punch List	One heater in IMC Car is not meeting the performance	Item transferred from Vehicle Provisional Acceptance Punch List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-272	Modification List	Final setup to prevent vibration behind PR2 panel	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$12,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-44	LRV Minor Deficiency	Horn bracket is rusting	1 hour per vehicle		Minor	Minor	Open	Open	\$11,050.00	1/22/2020	Minor
LRV	Vehicle	LRV-118	Punch List	LCC motor bogie. PMA protection for wires was poorly done, leaving many exposed wires	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-124	Punch List	There are hoses between LMC1 and IMC, and IMC to LCC that are tie-wrapped to the end box. Hese should be proper length and not tie-wrapped	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-147	Punch List	Scuffed seats in multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-191	Modification List	Post fitting improved design (brackets instead of Velcro, cage nuts instead of nuts and washers, roof arch locking system)	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-293	Modification List	Contacter Labels to be updated and add new contactor	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$10,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-26	LRV Minor Deficiency	Cab interior light to be able to turn off	4 hours per vehicle This can be done as vehicle is available to work on		Minor	Pre-RSA	Open	Open	\$10,200.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-28	LRV Minor Deficiency	Interior destination sign covers require secure locking mechanism	4 hours per vehicle This can be done as vehicle is available to work on		Minor	Minor	Open	Open	\$10,200.00	1/22/2020	Minor
LRV	Vehicle	LRV-29	LRV Minor Deficiency	Turn signal circuit breaker tripping	4 hours per vehicle This can be done as vehicle is available to work on		Minor	Minor	Open	Open	\$10,200.00	1/22/2020	Minor
LRV	Vehicle	LRV-160	Punch List	Sidewall covers, (pillars) seem to be improperly installed and foam sticks out, entire train to be checked	Item transferred from Vehicle Final Acceptance Punch List		Pre-RS	Pre-RS	Open	Open	\$9,250.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-86	Punch List	End box units, red cable glands are not completely sealed. Possible site for water and ice build up	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$8,500.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
LRV	Vehicle	LRV-100	Punch List	Gaskets are sticking out of top left corner and top right corner of window near door 9.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$8,250.00	1/22/2020	Minor
LRV	Vehicle	LRV-148	Punch List	Gap in the floor beside the pillars - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$6,400.00	1/22/2020	Minor
LRV	Vehicle	LRV-168	Punch List	LMCI, traction motor ground return cable hitting connection box - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$6,400.00	1/22/2020	Minor
LRV	Vehicle	LRV-266	Punch List	BMI-003 label plate to be changed as the Bogie functionality has been modified to function as a BM3 bogie	Item transferred from Vehicle Provisional Acceptance Punch List		Minor	Minor	Open	Open	\$6,400.00	1/22/2020	Minor
LRV	Vehicle	LRV-39	LRV Minor Deficiency	HVAC faceplate in cab	20 minutes per. Five vehicles affected.		Minor	Minor	Open	Open	\$5,124.00	1/22/2020	Minor
LRV	Vehicle	LRV-33	LRV Minor Deficiency	Cab electrical locker doors are not all closing correctly interference with Thales connectors/wiring.	This can be repaired by shimming out hinges and extending lock pawl. 2 hours per vehicle. 20% of fleet affected.		Minor	Minor	Open	Open	\$5,050.00	1/22/2020	Minor
LRV	Vehicle	LRV-72	Punch List	Rusted screw on seat steps	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,756.00	1/22/2020	Minor
LRV	Vehicle	LRV-74	Punch List	Lots of corrosion on chassis, IMC before LMCI	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,756.00	1/22/2020	Minor
LRV	Vehicle	LRV-78	Punch List	Corrosion protection on the LCC trailer bogie is poorly done (specifically the nuts and bolts beside the wheels)	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,756.00	1/22/2020	Minor
LRV	Vehicle	LRV-89	Punch List	Underframe of IMC has been patched.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,756.00	1/22/2020	Minor
LRV	Vehicle	LRV-92	Punch List	Rubber boot missing on PMA above bogie #2 on LH side of vehicle. See RH side of vehicle for comparison	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,756.00	1/22/2020	Minor
LRV	Vehicle	LRV-111	Punch List	End fairing panel misalignment - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-112	Punch List	Gasket sticking out of top left corner of window located to the right of door 6	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-125	Punch List	The paint on the lateral and longitudinal dampers chipped - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-136	Punch List	Both snow plows show signs of wear, approximately 20 - 25mm of material is missing	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-143	Punch List	Large gap in the floor beside the pillar near door #10	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor

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LRV	Vehicle	LRV-146	Punch List	Gap in the floor beside the pillars - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-165	Punch List	Dirt and oil residue collecting under the bellows - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-189	Punch List	CVS unit is covered in footprints. Standing on top of the CVS is prohibited	Item transferred from Vehicle Final Acceptance Punch List. Alstom to inspect of any damage to covers.		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-277	Modification List	Cab Little Trapdoor interference	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-18	LRV Minor Deficiency	Motor power cables too long	8 hours per vehicle. 20% of vehicles affected.		Minor	Minor	Open	Open	\$5,200.00	1/22/2020	Minor
LRV	Vehicle	LRV-45	LRV Minor Deficiency	HVAC vents thumbwheels stiff to operate	2 hours per vehicle.		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-56	LRV Minor Deficiency	Line Contactors replacement	2 hours per vehicle.		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-57	LRV Minor Deficiency	LMC1 and LMC2 door enable latching issue. Wiring Mod	2 hours per vehicle.		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-59	LRV Minor Deficiency	LCC connector screws corroding	2 hours per vehicle.		Minor	Minor	Open	Open	\$5,100.00	1/22/2020	Minor
LRV	Vehicle	LRV-170	Punch List	Truck frame pivot connection clamp bars have corrosion build up in IMC bogie	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-190	Punch List	Small amounts of corrosion on battery box LCC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-42	LRV Minor Deficiency	Air compressor enclosure covers are corroding	This can be done in conjunction replacing air compressor		Minor	Minor	Open	Open	\$4,500.00	1/22/2020	Minor
LRV	Vehicle	LRV-142	Punch List	Large gap in the floor beside the pillar near door #1	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-156	Punch List	Torque seal missing on HVAC condenser fan - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-157	Punch List	LMC1, missing torque seal on HVAC condenser fan covers	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$4,000.00	1/22/2020	Minor
LRV	Vehicle	LRV-65	Punch List	Chipped paint on IMC traction box. Possible site for future corrosion	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,567.00	1/22/2020	Minor
LRV	Vehicle	LRV-137	Punch List	Bellows between LMC2 and LCC is damaged in 3 spots	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,570.00	1/22/2020	Minor
LRV	Vehicle	LRV-180	Punch List	Corrosion build up on the battery box cover on the LCC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,570.00	1/22/2020	Minor
LRV	Vehicle	LRV-71	Punch List	Rusted screw on cab step	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor

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LRV	Vehicle	LRV-88	Punch List	Underframe of LMC2 has been patched but the patch is cracking near LCC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-93	Punch List	Minor chip on roof fairing, above the 1104 decal on LMC1	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-106	Punch List	Lateral damper between LCC and LMC2 is missing paint and rusting	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-114	Punch List	IMC-LCC damper may be bent.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-121	Punch List	Top half of white skirt panel to the left of door 18 is discoloured.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-134	Punch List	Corrosion on battery box hinge on LCC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-138	Punch List	Larger PMA conduit is not sealed above the bogie on LCC bogie 1	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-164	Punch List	Gap in the floor beside the pillar - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-171	Punch List	LCC trailer bogie. There is a black and white Rail Hose wire that may need to be protected with PMA	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-178	Punch List	Gaskets are sticking out of the bottom of the window in IMC. The window is located beside the IMC-LMC1 articulation	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-179	Punch List	Gaskets are sticking out of windows - multiple locations	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-181	Punch List	Missing blank cover plate for the antenna panel on LMC2.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-188	Punch List	Lateral cab sliding window mock up is featured in LMC1 cab	Item transferred from Vehicle Final Acceptance Punch List. This item will be covered by LRV-23		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-218	Punch List	LMC1, traction motor ground return cable hitting connection box LHS	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$3,825.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-298	Modification List	Lateral ceiling ant fall syst. Antisliding syst.	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$3,825.00	1/22/2020	Minor
LRV	Vehicle	LRV-167	Punch List	Small chip in panel beside fire extinguishers	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$3,188.00	1/22/2020	Minor

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LRV	Vehicle	LRV-213	Punch List	Decals of LCC on RH side are not installed properly, the arch of the decal is incorrect. LRV07.	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$3,188.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-99	Punch List	Gasket wrapping sticking out of a window on the LCC. The window is located just before the articulation to the IMC.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-139	Punch List	Gasket material is curling at the top edges of the vehicle between door #16 and door #18	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-141	Punch List	Bellows between IMC and LMC1 has a bent bar	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-155	Punch List	Corrosion found on carbody structure under bogie skirt near wheel flange lubrication system LHS	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-163	Punch List	Roof panel cover reinforcement/ stiffness	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-172	Punch List	Damper between IMC-LMC1 has corrosion	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-182	Punch List	Centre window shade hits shroud when retracted fully.	Item transferred from Vehicle Final Acceptance Punch List. This item will be covered by LRV-21		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-1	LRV Minor Deficiency	Station announcements and HSDR display Missions automatic mode.	1 hr per vehicle. Will require Alstom to test functionality once new software is installed expect 2 days of testing. 8 hours internal testing and 8 hours testing with City. After successful completion then upload software on all vehicles		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-2	LRV Minor Deficiency	NVR redundancy for end camera.	1 hour per vehicle. Alstom is updating software so that if one NVR goes down the other NVR will still record both end cameras. Software upgrade		Pre-RSA	Pre-RSA	Open	Open	\$2,550.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-15	LRV Minor Deficiency	Door panel push button (software)	1 hour per vehicle 2 hours per vehicle This can be done as vehicle is available to work on		Pre-RSA	Pre-RSA	Open	Open	\$2,550.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-24	LRV Minor Deficiency	End wall advertisement panel missing	2 hours per vehicle This can be done as vehicle is available to work on		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-49	LRV Minor Deficiency	Roof sheet hardware washers corroding	1 hour per vehicle		Minor	Minor	Open	Open	\$2,550.00	1/22/2020	Minor
LRV	Vehicle	LRV-145	Punch List	Window on LH side of door #18 is scratched	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,990.00	1/22/2020	Minor

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LRV	Vehicle	LRV-154	Punch List	Side stripe decal missing LCC, RI15	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,990.00	1/22/2020	Minor
LRV	Vehicle	LRV-161	Punch List	Door #17 EDR panel edges are chipped	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,990.00	1/22/2020	Minor
LRV	Vehicle	LRV-226	Punch List	Exterior decal bubbles on bogie skirts LMC1, LHS	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,990.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-73	Punch List	Slewing ring is a different design in LMC2, LCC, and IMC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,910.00	1/22/2020	Minor
LRV	Vehicle	LRV-75	Punch List	LMC2 LHS gear box paint chipping and causing corrosion on unit	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-76	Punch List	LCC-IMC articulation ribs are bent	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-81	Punch List	Door 9 is scratched	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-82	Punch List	LMC1 roof panel has a scratch/gouge	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-84	Punch List	Black caulking from window spilled over onto the adjacent white panel, RHS LCC beside the IMC bellows	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-91	Punch List	Grease or oil dripping from Ringfeder on LMC2 coupler.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-95	Punch List	Minor paint chip on LMC1 roof fairing beside HVAC unit	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-96	Punch List	Cable tray on IMC is missing its vertical bracket	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-97	Punch List	Small amount of rust forming on IMC HVAC unit	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-105	Punch List	Longitudinal damper between LCC and LMC2 is damaged	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-107	Punch List	Ceiling panel finish near doorway #9 and #10 are not gloss finish	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-108	Punch List	IMC2, small scuff mark on coupler cover	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor

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LRV	Vehicle	LRV-109	Punch List	LMC1, Paint blenish on front corner cover (OC Transpo panel)	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-110	Punch List	Gel coating is cracked on the pillar to the right of door 17	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-113	Punch List	Corrosion build up on lower section of the end fairing panel near door 16	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-115	Punch List	Bent rib on articulation cover for LCC-LMC2, and IMC-LCC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-116	Punch List	Damper between LMC1 and IMC is scratched on the inner and outer tube.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-117	Punch List	Dent at car RH end panel near diaphragm	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-119	Punch List	Very light scratch on panel. The panel is to the left of the window next to door 18	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-120	Punch List	Panel misalignment between LMC2 and LMC2 cab. Panels diverge away from each other towards the roof	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-122	Punch List	Redo PMA protection on exposed wires beside LCC motor bogie. LHS	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-123	Punch List	Small chip on door 3	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-126	Punch List	Floor gap at door #8	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-127	Punch List	Side stripe decal missing LCC, RHS	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-128	Punch List	Gap in the floor beside the pillar near door 1, and door 3	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-130	Punch List	Gap in the floor beside the pillar near door 18	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-133	Punch List	Gasket on window to the left of door 18 to be tucked in	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-135	Punch List	Seat armrest is creased in both cabs	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
LRV	Vehicle	LRV-153	Punch List	Battery box on LCC has corrosion on cover	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-166	Punch List	Dented panel above door 4, and below roof fairing	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,750.00	1/22/2020	Minor
LRV	Vehicle	LRV-221	Punch List	Grey decals are scratched on skirt panel to the left of door 1	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,750.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-241	Punch List	Bubbles in white decal LMC2 cab LHS	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,750.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-247	Punch List	LMC1 air bubble in Maple Leaf Decal LHS	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,750.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-251	Punch List	Bubbles in decal beside door 18	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,750.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-264	Punch List	Labels for LMC2 end box are hand written	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,750.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-131	Punch List	IMC-LCC transversal damper has slight corrosion	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,275.00	1/22/2020	Minor
LRV	Vehicle	LRV-140	Punch List	Window gasket beside door #5 to be reworked	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,275.00	1/22/2020	Minor
LRV	Vehicle	LRV-150	Punch List	Screw is corroding on floor board beside door 4	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,275.00	1/22/2020	Minor
LRV	Vehicle	LRV-173	Punch List	Corrosion on battery box cover	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,275.00	1/22/2020	Minor
LRV	Vehicle	LRV-184	Punch List	The top louver of the HVAC unit on LCC car is bent	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,275.00	1/22/2020	Minor
LRV	Vehicle	LRV-223	Punch List	DDU screen has protective film damaged	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,275.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-14	LRV Minor Deficiency	By pass switches, install cover & tamper proof seals	30 minutes per vehicle		Pre-RSA	Pre-RSA	Open	Open	\$1,275.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-98	Punch List	Chipped paint on roof fairing panel LMC2	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-132	Punch List	Foam between panels is twisted in front console	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-144	Punch List	Small red paint touch-up on LMC2.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor

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Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
LRV	Vehicle	LRV-151	Punch List	Gap in the floor beside the pillar near door 18	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-159	Punch List	Foam between panels is twisted in front console	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-185	Punch List	The paint has chipped on the longitudinal damper inside tube between LCC and IMC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-186	Punch List	The paint has been scratched on the longitudinal damper inside tube between LCC and LMC2	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-216	Punch List	Small scuff in decal to the right of door 17	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,105.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-230	Punch List	Protective film peeling to the right of door 7, just before IMC-LCC articulation	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,105.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-233	Punch List	Bubble in the decal in LMC2 near door #18	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$1,105.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-300	Modification List	Handle require for the Cab Little Trap door	Item transferred from Alstom Modification List		Minor	Minor	Open	Open	\$1,105.00	1/22/2020	Minor
LRV	Vehicle	LRV-48	LRV Minor Deficiency	Brake resistor bank washers are corroding	1 hour per vehicle. 10% of fleet affected.		Minor	Minor	Open	Open	\$700.00	1/22/2020	Minor
LRV	Vehicle	LRV-158	Punch List	Vertical adjustment of cab seat moves up and down very slowly	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
LRV	Vehicle	LRV-169	Punch List	NO STEP decal on LMC2 HVAC fading	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
LRV	Vehicle	LRV-183	Punch List	The paint has chipped on the longitudinal damper inside tube between LMC1 and IMC	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
LRV	Vehicle	LRV-187	Punch List	Gaskets are sticking out of top left corner and top right corner of window near door 5.	Item transferred from Vehicle Final Acceptance Punch List		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
LRV	Vehicle	LRV-229	Punch List	Protective film peeling on decal beside LMC1 and LMC1 cab	Item transferred from Vehicle Final Acceptance Punch List		Pre-RSA	Pre-RSA	Open	Open	\$500.00	RSA - TBD	PRE-RSA
LRV	Vehicle	LRV-38	LRV Minor Deficiency	High speed 100 km/h test to be completed (no track suitable to reach that speed, will need to be done as part of Stage 2)	Testing to be one in the future on one vehicle. Should be able to complete in 4 hours		Minor	Minor	Open	Open	\$380.00	1/22/2020	Minor
LRV	Vehicle	LRV-51	LRV Minor Deficiency	End boxes missing cable ID wire harness tags	1 hour per vehicle. 10% of fleet affected.		Minor	Minor	Open	Open	\$300.00	1/22/2020	Minor
LRV	Vehicle	LRV-52	LRV Minor Deficiency	Underframe paint thin or missing	30 minutes per vehicle. 5% of fleet affected.		Minor	Minor	Open	Open	\$55.00	1/22/2020	Minor
LRV	Vehicle	LRV-41	LRV Minor Deficiency	NVR tamper proof seals	Need to obtain RTM process for removing & re-installing NVR's		Pre-RSA	Pre-RSA	Open	Open	\$25.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
LRV	Vehicle	LRV-62	LRV Minor Deficiency	Outside smoke detection (5CR 087)	Documentation only, no impact on vehicles		Minor	Minor	Open	Open	\$25.00	1/22/2020	Minor
LRV	Vehicle	LRV-63	LRV Minor Deficiency	Open CRE's with City, Alstom and OLRTC	Documentation only, no impact on vehicles		Minor	Minor	Open	Open	\$25.00	1/22/2020	Minor
NCR	Segment 1	NCR 879	Failure to meet Terminal-to-Terminal time (NCO) - Tunney's Pasture Station; Segment 1 (The powered section of the OCS is stopping before the end of the track at Tunney's Pasture. In the case of a failure resulting in a loss of communication or positioning from the vehicle, the area at Tunney's will be put into a non-communicating occupancy (NCO) state which will then prohibit ATP trains from accessing this platform. Under this circumstance, the platform is not available and therefore the Terminal to Terminal trip time will significantly increase. Under this circumstance, both platforms are not available to allow the double turnbacks at Tunney's, as defined in RTMs initial service plan. Under this failure scenario, the terminal to terminal trip time will be significantly increased (PA requirement 15- 2, Part 1, Article 2, 2.3 (b).)		OLRT-C reviewing		Pre-RSA	Pre-RSA (City Ident.)	Open	Open	\$250,000.00	RSA - TBD	PRE-RSA
NCR	Segment 0	NCR 708	Cracking in Platform Topping Slabs (Cyrville & Blair Stations)		Cracks observed in Cyrville / Blair stations; may effect other stations; cracks to be repaired. 2018-03-14; David Ellis following up with EJV for response. 2018-11-13: Waiting for implementation of repair project wide.		Minor	Minor	Open	Open	\$70,000.00	1/22/2020	Minor
NCR	Segment 0	NCR 867	CCTV Viewing of On-board Cameras (The CCTV system shall allow operations to monitor elements fo the system from the TOCC. On-board camera recordings are only downloaded and viewed from a workstation at MSF, which is non-compliant)		2019-02-07: Systems reviewing to propose Disposition and Action Plan.		Minor	Pre-RSA	Closed	Object	\$50,000.00	RSA - TBD	PRE-RSA
NCR	Segment 0	NCR 833	Pimisi and Tunney's Stations - Swaying CCTV cameras (motion blur causes video frames to be unclear, which is non-compliant to FA requirements and may cause motion sickness to monitoring staff. Cameras to be 'fixed'. OLRT-C to confirm compliance at all Stations.) Missing Stage 1 MSF Heat Tracing in the Shed (heat tracing cabling not installed on roof drains as required by OBC, and SIN-9040 and FDR RES-45-9-NSSX-FDR-001)		July 16 - SN: Confirms this will be closed this week. Awaiting proposed Action Plan. 2019-04-21: Sent for City Close Out Review.		Minor	Pre-RSA (City Ident.)	Open	Open	\$20,000.00	RSA - TBD	PRE-RSA
NCR	Segment 4	NCR 829			Rework to be executed by Construction Group		Minor	Minor	Open	Open	\$22,500.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
NCR	Segment 0	NCR 802		Stray Current Baseline Survey (not performed prior to energization as stipulated in PA)	2018-09-26: Technical Group reviewing NCR to provide Disposition and proposed Action Plan. 2018-11-01: With Technical Group - ET from Construction is working with Stray Current Consultant to provide complete Baseline Report for submittal. 2018-12-18: Sent for City Close Out Review, with baseline report from Gull River Eng. dated July 2017. 2019-02-20: City does not agree to close; 2017 'Baseline Survey' not considered sufficient.		Minor	Minor	Open	Open	\$12,500.00	1/22/2020	Minor
NCR	Segment 4	NCR 665		MSF connector Stray Current Testing.	BH to monitor and compile evidence of proper testing.		Minor	Minor	Open	Open	\$10,000.00	1/22/2020	Minor
NCR	Segment 8	NCR 874		CCTV Lack of Coverage - Remaining Stations (CCTV review identified areas that do not meet PA requirements for camera coverage at St.Laurent, uOttawa, Rideau, Parliament, Pimisi, Bayview and Tunney's Pasture Stations) [see also NCR 868]	2019-03-14: Systems reviewing to propose Disposition and Action Plan.		Minor	Pre-RSA (City Ident.)	Open	Open	\$6,500.00	RSA - TBD	PRE-RSA
NCR	Segment 11	NCR 777		Cracks on deck (multiple transverse and longitudinal cracks in sidewalks on east and west side - Booth St Bridge)	2018-07-25: OLRT-C formulating Action Plan. 2018-11-28: Eudald T. coordinating with subcontractors to provide proposed Repair Action Plan for POR review.		Minor	Minor	Open	Open	\$3,250.00	1/22/2020	Minor
NCR	Segment 0	NCR 843		Future compatibility with the City IAC (from Audit RTG-OLTRC-SA-019; no evidence confirming future compatibility presented)	2019-01-31: Systems reviewing to propose Disposition and Action Plan		Minor	Minor	Open	Open	\$3,000.00	1/22/2020	Minor
NCR	Segment 0	NCR 842		Backup CCTV System Servers (from Audit RTG-OLTRC-SA-019; backup system servers in Data Center not demonstrated)	2019-01-31: Systems reviewing to propose Disposition and Action Plan		Minor	Minor	Open	Open	\$1,550.00	1/22/2020	Minor
NCR	Segment 0	NCR 844		Control System Function - IAC (from Audit RTG-OLTRC-SA-019; Control system function not demonstrated)	2019-01-31: Systems reviewing to propose Disposition and Action Plan		Minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
NCR	Segment 5	NCR 794	Inconsistent Glazing Frit pattern on Stairs A & C - Blair Station		2018-08-24: EJV reviewing OLRT-C proposed Action Plan: Use As Is. 2018-08-29: EJV response: 'Glazing frit and glass guard base detail not per reviewed shop drawings. NCR to be reviewed by City for approval.' Discussed in AGS/City meeting - to be sent to city rep for review to be used as-is.		Minor	Minor	Open	Open	\$1,000.00	1/22/2020	Minor
NCR	Segment 10	NCR 837	Overpass Fencing (a City review on November 23, 2018, identified numerous gaps in the overpass fencing on the Guideway (including insufficient height, gaps, concrete foundations that permit ease of scaling, concrete walls without a fence, and areas of no fencing), which is non-compliant to PA requirements and the Threat and Vulnerability Assessment. The City states that OLRT-C has indicated that we do not plan to install fencing at these locations)		2019-01-29: EJV reviewing and to provide proposed Disposition and Action Plan. 2019-04-09: Sent for City Close Out Review.		Minor	Pre-RSA	Closed	Open	\$1,200.00	RSA - TBD	PRE-RSA
NCR	Segment 10	NCR 832	Event Recorder - Brake Cylinder Pressure (Event Recorder records the brake cylinder pressure data for only one (1) truck, which is non-conforming to the PA. PA requires records for each truck. Alternate means of obtaining the required brake pressure information was also not provided.)		Awaiting proposed Action Plan		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
NCR	Segment 10	NCR 878	EMC Magnetic field distortion at NRCan (The requirement is that any distortion to the ambient magnetic field at the observatory be less than 100pT. The measured value of distortion is up to 5mT, and therefore the measured value exceeds the specified maximum in PA requirements.)		OLRT-C reviewing		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
NCR	Segment 10	NCR 876	Meetings for Discussing Interfaces and Changes CM (During the Audit SA-020 on Configuration Management, the following was identified (refer to NCR SA-020-002 in the Audit Report): No formal proof was provided that weekly meetings attended by the three parties (OLRT-C, Alstom and Thales) were held for discussing the interfaces and changes.)		2019-04-11: OLRTC/Tech Group reviewing to propose Disposition and Action Plan.		Minor	Pre-RSA (City Ident.)	Open	Open	\$200.00	RSA - TBD	PRE-RSA
NCR	Segment 10	NCR 875	Verification and Validation Activities - CM (During the Audit SA-020 on Configuration Management, the following was identified (refer to NCR-SA-020-001 in the Audit Report): No evidence was provided to demonstrate that the Verification and Validation (V&V) Team ensures that any differences between the "As Installed" Baseline and the Design Requirements for all systems are recorded and conforms to the PA requirement.)		2019-04-11: OLRTC/Tech Group reviewing to propose Disposition and Action Plan.		Minor	Pre-RSA (City Ident.)	Open	Open	\$100.00	RSA - TBD	PRE-RSA
NCR	Segment 10	NCR 877	No Configuration Audits Conducted on Suppliers (During the Audit SA-020 on Configuration Management, the following was identified (refer to NCR SA-020-003 in the Audit Report): At the time of the Audit, no configuration audits have been conducted by OLRT-C on their suppliers, which is not compliant with Section 3.1.8 of OLRT-C's Configuration Management Recovery Plan (OLR-09-0-0000-MPL-0004, revision 1).		2019-04-11: OLRTC/Tech Group reviewing to propose Disposition and Action Plan.		Minor	Pre-RSA (City Ident.)	Open	Open	\$50.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
NCR	Segment 8	NCR 869	Mears of Egress - Compliance with NFPA 101 (no evidence to show compliance to NFPA 101, item 7.9, for Lyon and Bayview Stations (see Audit SA-018))		2019-03-14: Systems reviewing to propose Disposition and Action Plan.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 2	NCR 858	RISU - HVAC Room 02-006 Exhaust Fan Relocation (exhaust fans EF-RISU-3 & EF-RISU-4 installed in exhaust plenum instead of HVAC Room 02-006, which is non-conforming to IFC drawings. The exhaust plenum is not designed to have occupants (for maintenance purposes))		2019-02-19: Construction reviewing to propose Disposition and Action Plan. 2019-02-27: Sent for EJV Review. 2019-03-15: EJV response "Revise & Resubmit"; OLRTC reviewing.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 2	NCR 831	Lyon - Unintended architectural concrete (areas of concrete inadvertently exposed to public view but which have not received the architectural finish as required in the PA)		Awaiting proposed Action Plan		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 0	NCR 825	Impact on service of a failed track switch (The current System does not provide a safe ATP protected route to support an LRV to travel over other valid switches; a track obstruction results in a loss of connection between two in-service stations, requiring trains to turn back. Non-compliant to (i) requirement to provide sustained 15 minute service headway on the line during a single track outage, and (ii) requirement to provide terminal travel during a single track outage.)		2019-01-29: Technical Group reviewing and to provide proposed Disposition and Action Plan. 2019-02-08: Sent for EJV Review. 2019-02-28: EJV response "not responsibility for RTGE/V". OLRTC to review.		Pre-RSA	Pre-RSA (City Ident.)	Open	Open	\$0.00	RSA - TBD	PRE-RSA
NCR	Segment 0	NCR 815	OLRTC did not respond to Audit Report SSA-041 findings in a timely manner (not as per PA, Schedule 11, Section 5.3(a)(ii)). (This is a Process/System non-conformance)		Quality/Process NCR. Under review.		Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor
NCR	Segment 0	NCR 814	Payphone conduits at DWAs (not installed as per PA requirements; observed at St-Laurent, Tremblay, Hurdman and Parliament stations. OLRTC to confirm proper installation at ALL station DWA areas)		Waiting on Construction/Technical to provide proposed action. 2018-11-27: Construction to provide confirmation that the conduit pathway has been provided as per the Design, and update with respect to the Action Plan. 2019-01-14: Technical Group reviewing and to provide Action Plan. 2019-02-25: Sent for City Close Out Review. 2019-02-25: City requires 'evidence' of work executed.		Minor	Pre-RSA (City Ident.)	Open	Open	\$0.00	RSA - TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
NCR	Segment 2	NCR 797	Underground Stations - Advertising Provisions (data and power provisions on intertrack columns not as per PA and agreement with the City) - L'yon, Parliament & Rideau Stations		2018-09-17: EJV reviewing; EJV to provide Disposition and provide Action Plan. 2019-01-02: EJV response "Not RTGEJV responsibility"; OLRT-C & City to resolve PA non-compliance. 2019-01-14: Technical Group reviewing and provide Action Plan.		Minor	Minor	Open	Open	\$500.00	1/22/2020	Minor
NCR	Segment 0	NCR 786	Station Signage - no mock-ups and no reviews of signage by 'users' (not in accordance to PA). From City Audi: SSA-044.		2018-08-20: OLRT-C & EJV formulating Action Plan 2018-11-25: Response agreed to in meeting with DE (EJV). To be sent for closure		Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
NCR	Segment 8	NCR 771	Intumescent Coating System - project-wide (screwed/bolted elements installed on structural elements after intumescent paint was applied; non-conforming to specifications)		2018-07-05: Cesar P tasked Paloma P to review. 2018-07-19: OLRT-C (Paloma) to propose 'touch up' procedure. 2018-08-29: Paloma P. actioned George Georges (EJV) to provide information concerning if reparation work is required (follow up with Tracy O'B). 2018-11-06: Sent for EJV review & emails sent to DE. Proposed to remove requirement from Project Specification. 2018-11-07: EJV Responded "Architectural IFC document (Drawings and specifications) to be implemented project wide - requested further information - DE advised		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 1	NCR 757	Drilling in Girders from OCS Installation (bottom of bottom flange of 3 prestressed girders for anchors; Booth Street Bridge)		2018-05-09: EJV reviewing; to propose disposition and Action Plan. 2018-05-22: EJV response is that OLRT-C must propose Action Plan. 2018-05-22: Scanning of girder bottom flanges required to determine if anchors damaged prestressing cables. To be coordinated		Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019

Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
NCR	Segment 4	NCR 732	Top of track #19 not flush with asphalt (MSF Yard)		2018-03-22: AT to follow up with EJV & Construction to arrange site visit and facilitate determination of remedial action. 2018-04-13: Rework proposal submitted to EJV. 2018-04-23: EJV 'accepts' with dwg. mark-up. TT to monitor and gather evidence of Rework 2018-09-26: Waiting for completion of paving & survey prior to close-out		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 0	NCR 727	Generator Connection Point - TPSS Enclosures (No.'s 1, 2, 4, 5, 6, 7, 8 & 9)		2018-03-15: Once the Proposed Action Plan is formalized, NCR to be sent for EJV Review. 2018-04-11: David Ellis/EJV reviewing. 2018-04-13: EJV approved proposal. Closure pending completion of rework.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 0	NCR 705	Pressure Test Calibration and Documentation		KL suggests send email to Tracy O'Brien (OLRTC) / Alex Roy (Dilfo). JG / TR. 2018-08-30: Paloma P. contacted Dilfo and directed them to submit outstanding documents by September 7, 2018.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 2	NCR 701	Durability model not completed for UG Stans Ent. (Rideau, Parliament & Lyon stations)		Sent to City for Close Out Review 2018-01-29. 2018-02-14: Awaiting EJV's review of City's 'close-out comments'. 2018-03-14: David Ellis following up with EJV for response. 2018-04-25: DE to send Memos to facilitate response to City for close out. 2018-10-30: DE to submit RFI requesting the city for their durability assessment of the structures so we can determine impact of our modifications. 2018-11-23: It was raised in TWG meeting requesting from city their assessment of the structures. EJV to respond accordingly. 2019-03-15: EJV		Minor	Minor	Open	Object	\$0.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
NCR	Segment 0	NCR 696	Flooring, Tiling, Resilient Base, Resilient Floor (AG Stations)		Kieran L suggests subcontractor submissions need to be resorted/organized and then sent back to EJV for review. JG perhaps see Emily Dennis' list for close-out (?), Jeff G / Peter Maclaren. 2018-08-30: Paioma P. contacted Lamont Flooring and directed them to submit outstanding documents by September 7, 2018.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 3	NCR 677	Refacing wall cracking (Mann Avenue Bridge)		TT to monitor and obtain evidence of proper execution of repair in the spring. 2018-07-05: Construction group (Eudald Trull) to coordinate with Subcontractor to provide Repair Action Plan procedure ASAP. 2018-11-28: Eudald T. finalizing proposed Repair Action Plan with subcontractor and POR input; to be provided ASAP.		Minor	Minor	Open	Open	\$200.00	1/22/2020	Minor
NCR	Segment 0	NCR 661	Issuance on time of training materials		Roger Schmidt / Ian Bonn. Note: TR to follow up with Pierre Grimard, Training Manager. 2018-11-26: Jeff G sent email to T&C group to get Training operation input. Will not be closed until all subcontractor (Stoncor) submittals are complete.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
NCR	Segment 0	NCR 627	Static Dissipative Fluid Applied Flooring (all AG Stations)				Minor	Minor	Open	Open	\$50.00	1/22/2020	Minor

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NCR	Segment 14	NCR 619	Porcelain panel not installed as per shop drawings (Tremblay Station)		Paloma Perez / Cesar Palencia (613-406-3266) / Magdy Ittalian (613-314-9881). 2018-03-14. TR email to PP for 'red-lined' shop drawings and EJV acceptance - coordinate with David Ellis. 2018-04-18. TR received red-lined dwggs; to discuss with PP & DE for signatures. 2018-07-25. EJV reviewing Red-line shop drawings. 2018-08-10. EJV response is 'Reject' with City approval required; to review with DE & EG. 2018-11-23. Discussed in meeting with EJV that a memo was prepared saying not per IFC Drawings but acceptable per PA & Coxe.		Minor	Minor	Open	Open	\$0.00	1/22/2020	Minor
Non-Tech CM		NTCM-24	Schedule 8	Project Co shall provide a Traction Power Energy Letter to demonstrate compliance to the requirements in Schedule 8. Provide more details. Reference Non-Tech: 88122 and 108443			Minor		Open		\$250.00	1/22/2020	Minor
Non-Tech CM		NTCM-1	Schedule 18 - Communications	Maintain and participate in: Project Co website including weekly blog and feature article; mobile outreach vehicle and store front office. Reference Non-Tech CM ID: 103264, 103266, 103267, 103301, 103302, 103304, 103305, 103370	Variation or RFI DEVI required		Minor		Open		\$200.00	1/22/2020	Minor
Non-Tech CM		NTCM-2	Schedule 33 - Monthly Works Report	Detailed reporting regarding in-person hours, schedule, estimations, cash flow and manpower. Reference Non Tech CM ID: 105344, 108349, 108350, 108359, 108367	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-3	Schedule 33 - Monthly Works Report	MWR does not identify the notices of dispute letters. Reference Non Tech CM ID: 108429			Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-4	Schedule 11 - Quality	Quality Manual Section 6.3.3 - Quality Director. General Procedure Management of NCR process: Business days process not always being followed and No time specified in the Non-Conformance Reports. Reference Non-Tech CM ID: 89744, 89870, 89889	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-5	Schedule 14 - 30 days notice of testing	OLRTC is providing the City advance notice for testing however, 30 days is not always adhered to. Reference Non-Tech CM ID: 90928	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-6	Schedule 14 - Training Sessions	The Project Co Commissioning Coordinator or designated delegate did not attend a sample of every training session. Reference Non-Tech CM ID: 90957	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-7	Schedule 14 - Reporting	In lieu of weekly summary forms, a process was established to conduct weekly calls to exchange and update information. Reference Non-Tech CM ID: 90992	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-8	Schedule 18 - Access to Rideau Station	Provided access to Lyon Station (instead of Rideau) for Konsumum event. Reference Non-Tech CM ID: 103310	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor

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Non-Tech CM		NTCM-9	Schedule 26 - RTG Financial Statement	Only the year-end financial statements are audited (instead of quarterly) Reference Non-Tech CM ID: 104821, 104822	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-10	Schedule 33 - Monthly Works Report	Further detail required in Monthly Works Report as per PA. Reference Non-Tech CM ID: 105335, 105343, 105346, 105348, 105349, 105368	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-11	Schedule 33 - Risk Register	Risk Register and response plans require updates. Reference Non-Tech CM ID: 105374, 105375	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-12	Schedule 37 - Traffic	Submission of updated Mobility Matters required Reference Non-Tech CM ID: 105797			Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-13	Schedule 33 - Works Schedule	Further detail required in works schedule as per PA. Reference Non-Tech CM ID: 108335, 108340	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-14	PA Main - Work Breakdown Structure	Dictionary provided but not updated when the WBS evolved. Reference Non-Tech CM ID: 108348	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-15	PA Main - Key Dates and decision requirements	City review of Submittals shown, but key decision requirements were not. Reference Non-Tech CM ID: 108353	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-16	PA Main - Proposed submittal dates	Originally in the Works Schedule, then split out to a separate spreadsheet. All requirements were not included (e.g. As-Built drawings) Reference Non-Tech CM ID: 108354	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-17	PA Main - Section 22.2 (f)	Provide a narrative that describes, in sufficient detail, the rationale behind the items identified in this Section 22.2(f). Reference Non-Tech CM ID: 108360	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-18	PA Main - Test Process (FAT/SAT) and Schedule	Information not shown in the detail required as per PA. Regular meetings at the working group level are scheduled to discuss activities. Reference Non-Tech CM ID: 108364	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-19	PA Main - Commissioning Activities	Further detail of Commissioning activities required. Regular meetings at the working group level are scheduled to discuss activities. Reference Non-Tech CM ID: 108365, 108366	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-20	PA Main - Works Reporting	Provide further detail regarding percentage completion, EVM budget and cost performance. Provided in detailed format. Reference Non-Tech CM ID: 108368, 108390, 108428	Accept as is		Minor		Open		\$1.00	1/22/2020	Minor
Non-Tech CM		NTCM-21	PA Main - LEED Certification	Progress report relating to LEED rating requirements provided. Provide more details. Reference Non-Tech CM ID: 108431, 108454			Minor		Open		\$1.00	1/22/2020	Minor
OFS	Lyon	OFS-DWSU-3	Inspection: 21March2024	July 16 - WG to send CP email to RH. May require signage for sub-platform areas (to be discussed)	July 16 - RH to review. More info required		Pre-RSA	Pre-RSA	Open	Open	\$0.00	RSA - TBD	PRE-RSA

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SAT		OLRT-SC02-055	CBTC System Loading	Demonstrate the system performance under full train loading	Test Status: Reviewed - Failed CCP00405404 was raised for defect where trains were departing from platforms with average of 6-7s delay (after 20s dwell), which in turn affected the headway. This was fixed in B5.04 release, and validated in house. Test case will be re-scheduled for execution on site as part of certificate cleanup. No Safety impact. No operational impact (as defect is addressed).		Pre-RSA		Open		\$3,000.00	RSA-TBD	PRE-RSA
SAT		OLRT-SC02-065	Verify System Normal Operation	Scheduled launching of train to simulate the beginning of revenue service	Test Status: Ready to be tested CR CCP0409424 was raised for not docking at PEXITE in Controlled Mode. Since Yard commissioning is not yet completed, this is deferred. No Safety impact. No operational impact - OR 11 provides recommendation for launch of service.		Pre-RSA		Open		\$1,500.00	RSA-TBD	PRE-RSA
SAT		OLRT-SC02-065	Verify System Normal Operation	Verify Schedule Regulation returning Trains to Depot	Test Status: Ready to be tested CR CCP0409424 was raised for not docking at PEXITE in Controlled Mode. Since Yard commissioning is not yet completed, this is deferred. No Safety impact. No operational impact - OR 11 provides recommendation for launch of service.		Pre-RSA		Open		\$1,500.00	RSA-TBD	PRE-RSA

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
SAT	Testing	OLRT-SC02-06S	Verify System Normal Operation	Verify Scheduled Regulation Train Service Operations	Test Status: Reviewed - Failed CR CCP00409424 was raised for not docking at PEXITE in Controlled Mode. Since Yard commissioning is not yet completed, this is deferred. No Safety impact. No operational impact - OR 11 provides recommendation for launch of service.		Pre-RSA		Open		\$1,500.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SF03-06S	Verify Fire and Smoke Reaction Supervision	TC05 - TS03: Verify system reaction when the train approaches a platform and fire is simulated	Test Status: Reviewed - Failed CCP00406747 was raised for defect but analysis concluded to be procedural issue. Upon leaving platform, Station Fire is "simulated" and no messages are observed on TOD. Instead, train EB was applied (due to Overspeed). This scenario was repeated in simulation environment, and the applicable messages were observed on TOD. This test case will require one additional round of testing on site as part of certificate cleanup. No Safety impact. No operational impact -		Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SC02-01S	Operational Scenarios while on Line Assignment Operation Scenarios	Verify Normal Operation	Test Status: Reviewed - Failed CCP00408318 was raised for defect, but analysis concluded to be procedural issue. When station fire is "simulated" and train is EBed. The procedure is asking for train to be outside the FireZone (including LMA), but based on the analysis it is indicating that train's LMA was inside the FireZone, and thus when Station Fire is simulated, rather than holding train outside tunnel it had activated EBs. This behavior is expected. Test case will be re-scheduled for execution on site as part of		Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
SAT		OLRT-SC02-095	Verify system reaction during VOBC failures	Verify system reaction to TOD failure	Test Status: Reviewed - Failed CCP00405437 was raised for defect for display issue on ATS (w.r.t displaying VOBC Active/Passive status). CCP00405503 was raised as defect, but was cancelled as procedure was tested incorrectly. Test scenario repeated under certificate OLRT-SC02-095-ZC4-VOBC-F02 and passed. No Safety impact. No operational impact.		Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SA01-185	Verify Automatic Coupling Operation	Verify Successful Automatic Coupling Operation for UTO Trains	Test Status: Blocked Yard Functionality. No Safety impact. Minimum operational impact - alternative is to use Manual coupling function.		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SA01-195	Verify Automatic Uncoupling Operation	Verify Successful Automatic Uncoupling Operation for UTO Trains	Test Status: Blocked Yard Functionality. No Safety impact. Minimum operational impact - alternative is to use Manual coupling function.		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SA01-195	Verify Automatic Uncoupling Operation	Verify Automatic Uncoupling Failure Supervisions	Test Status: Blocked Yard Functionality. No Safety impact. Minimum operational impact - alternative is to use Manual uncoupling function.		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SJ03-015	Verify Central System Database and Software Download Functionality	Verify System Database and Software Download Functionality	Test Status: Blocked Functionality yet to be Validated. No Safety impact. No operational impact - manual procedure for software loading (as indicated in Wayside and Onboard Maintenance User Guide) can be utilized if necessary.		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA

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SAT	Testing	OLRT-SJ03-015	Verify Central System Database and Software Download Functionality	Verify Automatic System Database and Software Download Functionality	Test Status: Blocked Functionality yet to be Validated. No Safety impact. No operational impact – manual procedure for software loading (as indicated in Wayside and Onboard Maintenance User Guide) can be utilized if necessary.		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SK01-075	Verify 'Data to City of Ottawa' functionality	Verify the functionality of providing the required subset of system recorded events to the City of Ottawa	Test Status: Blocked Functionality implemented, and will be validated before July 12. No Safety impact. No operational impact.		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SB01-015	Verify Switch Movement	Verify system reaction on Trailed Switch	Test Status: Reviewed - Failed CR CCP0396230 was raised for defect related to supervision of trailed switch. This was fixed in B5.03.00, but new CR CCP00406765 was raised. CCP00406765 was raised for defect associated to recovery of a failed (ie: trailed/disturbed) switch. CCP00406660 was raised for observation of switch movement (upon recovery from failed state) to the last system commanded position. Safety impact present and SOR 57 is referenced. Low operational impact – switch maintenance is a		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA

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SAT		OLRT-SC02-10S	Verify Operation during DCS Failure	Subsystem Communication Failures during normal operation	Test Status: Reviewed - Failed CCP00411002 was raised for defect where failure of link between one ZC and Central SRS resulted in link to be lost and re-established. It is expected for this link to be lost, and be transferred to Local ATS. No Safety impact. Low operational impact. Complete failure of Central SRS would result in Local SRS to become active and provide operator the capability to operate the railway. An unlikely scenario may occur where only one particular ZC to Central SRS link is considered "failed", and it is not		Pre-RSA		Open		\$300.00	RSA-TBD	PRE-RSA
SAT	Testing	OLRT-SJ09-01S	Verify correct transition of Guideway Grade	Verify correct transition of Guideway Grade	Test Status: Ready to be tested Test executed and data is under analysis. No Safety impact. No operational impact.		Pre-RSA		Open		\$0.00	RSA-TBD	PRE-RSA
TVA	Vehicle	TVA-299	Rail Vehicle Security Deficiency	Network video cameras record in color to a NVR. [Schedule 15-2 Part 4 Article 3.27 (c) (xi) A.]	part of acceptance test, Alstom is to provide sample - pending - ref letter on EDR and NVR	Restriction: Test evidence for CCTV system on rail vehicle.	Pre-RSA		Open		\$16,000.00	RSA-TBD	PRE-RSA
TVA	Vehicle	TVA-298	Rail Vehicle Security Deficiency	Activation of the silent alarm will: Cause an alarm message to be sent over the Train radio system to the TSCC and BCC. This alarm message includes the Vehicle number where the alarm was activated; and cause a tag message to be sent to the NVR of the Vehicle where the alarm was initiated to prevent overwriting of the video data. [Schedule 15-2 Part 4 Article 3.27 (c) (x) C. i. and ii.]	This is part of the Bell Tait radio requirement and is validated separately by Bell using their test procedure.	Restriction: Test evidence.	Pre-RSA		Open		\$12,000.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-232	Station Security Deficiency	The IAC system controls access and provides for detection of intrusion into non public or otherwise restricted areas in Stations and along the OLRT Alignment. [Schedule 15-2 Part 4 Article 6.2 (f)]	IAC / CCTV SITS are ongoing	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$10,500.00	RSA-TBD	PRE-RSA
TVA	Vehicle	TVA-300	Rail Vehicle Security Deficiency	Recorded video shall be downloaded from the on-board vehicle CCTV system at the MSF for long term storage of the video. [Schedule 15-2 Part 4 Article 6.2 (e) (iii)]		Restriction: Test evidence for CCTV system on rail vehicle. To review evidence sent by OLRT	Pre-RSA		Open		\$8,000.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-252	Station Security Deficiency	The CCTV system uses video analytics and/or intrusion detection systems to detect if people or objects have made unauthorized entry into the MSF perimeter and MSF Tracks including the yard way and road crossings into the facility. [Schedule 15-2 Part 6 Article 7.2 (d)] [Schedule 15-2 Part 6 Article 7.3 (e) (v)]	GIDS + FIDS SITS are Ongoing	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$5,000.00	RSA-TBD	PRE-RSA

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TVA	MSF	TVA-260	Station Security Deficiency	Incorporate intrusion detection on the perimeter of the MSF yard. [TVA recommendation #32]	Duplicate with item J . Not listed as a restriction on the front page of Certification	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$5,000.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-234	Station Security Deficiency	The IAC systems within the MSF are capable of being monitored from the YCC, TSCC and BCC (when active). [Schedule 15-2 Part 6 Article 7.3 (i) (i)]	IAC / CCTV SITS are ongoing	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-235	Station Security Deficiency	The MSF intrusion detection system is compatible with the existing City IAC system. [Schedule 15-2 Part 4 Article 6.2 (g) (i)]	Software programming	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-244	Station Security Deficiency	The system automatically archives all alarm events automatically detected to the TSCC head-end storage system. [Schedule 15-2 Part 6 Article 7.3 (e) (vii)]	Provide evidence	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-253	Station Security Deficiency	The CCTV system interfaces to the IAC system and is capable of automatically displaying video feeds of the best view of an activated intrusion alarm or access control device at the YCC, TSCC, or BCC (when active) automatically either via fixed camera or PTZ preset, upon activation of an IAC system. The system is capable of overriding the automatic panning if necessary. [Schedule 15-2 Part 6 Article 7.3 (e) (vi)] [Schedule 15-2 Part 4 Article 6.3 (e) (vi)]	IAC / CCTV SITS are ongoing	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$2,800.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-254	Station Security Deficiency	Camera locations are strategically selected to view all areas of the MSF exterior (including full coverage of public areas) and perimeter, entrances and exits to MSF buildings and access controlled locations, Entrances to yard wye, access roads and pedestrian access through perimeter fence, and all maintenance activities that require safety and security. Camera views are unobstructed, clear and are not impaired by structures, signage, foliage, intense lights or any other obstacles. [Schedule 15-2 Part 6 Article 7.3 (e) (iv) A, B, C, E] [Schedule 13 Article 5.1.5 (aa)]	Red lines/ Screen shots DCL and CCL- See Reference Numbers below	Restriction: Require CCTV screenshots to verify. May 23, 2019 - Sent CCTV deficiency list to OLRT. Many cameras are obstructed, not clear, missing coverage of areas and views require adjustment.	Pre-RSA		Open		\$2,750.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-259	Station Security Deficiency	As an access control measure incorporate two forms of access authentication (swipe card / PIN / Biometrics etc.) for the YCC / BCC, Switch Control Room and Equipment Room. [TVA recommendation #31]	SITS	As-built Evidence - Site Inspections YCC / BCC - Feb 28, 2018 Comms Room - Feb 28, 2018 Equip Room - Jan 19, 2018 Switch Control - Jan 19, 2018 Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA

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TVA	CCTV	TVA-266	CCTV Security Deficiency	All escalators, stairs and escalator/stair groups have CCTV coverage from escalator/stair landing to escalator/stair landing. [Schedule 15-2 Part 5 Article 2.4 (d)]	Red lines - Crossley to provide the outstanding views Grace to check again	Restriction: As per NCR 874 Tunney's Pasture: CAM-62 - (CAM-62 camera hood obstructs view) Restriction: Pimisi CAM-36/CAM-37 - adjustment required to view fare gates as per design CAM-49 - adjustment required to view fare gates as per design Restriction: Lyon CAM-46/CAM-47 - adjustment required to view fare gates as per design Restriction: Rideau CAM-38/CAM-39 - adjustment required to view fare gates as per design CAM-43/CAM-44 - adjustment required to view	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA
TVA	IAC	TVA-290	IAC Security Deficiency	The IAC systems within the MSF are capable of being monitored from the YCC, TSCC and BCC (when active). [Schedule 15-2 Part 6 Article 7.3 (i) (i)]		Restrictions: Require test evidence (MSF IAC)	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA
TVA	Control Centre	TVA-309	Control Centre Security Deficiency	Consider allowing the TOCC to view onboard railcar CCTV cameras in extreme emergencies when railcar is in station [TVA recommendation #07]	This will be completed in Sept 2019.	OLR-35-0000/ICD-0002 SCADA HIGH SPEED DATA RADIO (HSDR) INTERFACE CONTROL DOCUMENT - Sec 2.5 Restriction: Testing will be completed after Revenue Service (Target Date is September 2019).	Pre-RSA		Open		\$3,600.00	RSA-TBD	PRE-RSA
TVA	Rideau	TVA-108	Station Security Deficiency	There are currently no intrusion control measures installed on door leading to Piston Relief Shaft (05-005)	Not currently in our IFC design. An RFI will be issued.		Pre-RSA		Open		\$2,100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-255	Station Security Deficiency	The CCTV camera views comply with Applicable Law [Schedule 15-2 Part 6 Article 7.3 (e) (i)]	DCL only DCL - Communication Systems General System Wide REJ-OLR-53-0-DCL-0258 DCL - Communication Systems TSCC REJ-OLR-53-4-DCL-0269 DCL - Communication Systems MSF REJ-OLR-53-4-DCL-0256	Restriction: Require CCTV screenshots to verify. May 17, 2019 - reviewed screenshots	Pre-RSA		Open		\$2,500.00	RSA-TBD	PRE-RSA

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Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Close OLRT	Close City	IC Cost to Complete	Required Completion Date	IC Comments
TVA	Hurdman	TVA-27	Station Security Deficiency	ETEL installed at the entrance from the PPUDO to the concourse is not permanently mounted and signage is missing	Apr 3- The ETEL is currently being reinstalled into a yellow pillar, anchored to the ground inside the entry from the PPUDO. The communication panel is missing and the installation is not yet complete Will be installed in Ceiling grill column by Feb. 22, 2019. Sent to Systems Feb 28th		Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA
TVA	Rideau	TVA-105	Station Security Deficiency	Camera 89 (drawing RES-53-2-RISU-DRD-2401) is blocked by sign	Systems		Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA
TVA	Lees	TVA-175	Station Security Deficiency	The swing and the lockset used on the westbound platform exit doors (01-103C) leading to the MUP are incorrect and provide unrestricted access directly to the platform.			Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-233	Station Security Deficiency	The IAC system shall control access and provide for detection of intrusion into entrance points of the MSF. Intrusion sensor activation shall sound an audible alarm locally and trigger an alarm notification for unauthorized entry or tampering to the YCC and TSSC. [Schedule 15-2 Part 6 Article 7.2 (j)]	IAC / CCTV SITS are ongoing	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$1,000.00	RSA-TBD	PRE-RSA
TVA	Cyrville	TVA-15	Station Security Deficiency	Graffiti within the MUP throughout the Cyrville Road underpass	To be cleaned		Pre-RSA		Open		\$800.00	RSA-TBD	PRE-RSA
TVA	Cyrville	TVA-16	Station Security Deficiency	TPSS is directly accessible from the MUP with signs of graffiti on the cement retaining wall behind the TPSS	To be cleaned		Pre-RSA		Open		\$800.00	RSA-TBD	PRE-RSA
TVA	Parliament	TVA-181	Station Security Deficiency	Provide an emergency phone line from each UGS to the surface ICP Panel (TVA 23)			Pre-RSA		Open		\$800.00	RSA-TBD	PRE-RSA
TVA	Lyon	TVA-186	Station Security Deficiency	Provide an emergency phone line from each UGS to the surface ICP Panel (TVA 23)			Pre-RSA		Open		\$800.00	RSA-TBD	PRE-RSA
TVA	Rideau	TVA-194	Station Security Deficiency	Provide an emergency phone line from each UGS to the surface ICP Panel (TVA 23)			Pre-RSA		Open		\$800.00	RSA-TBD	PRE-RSA
TVA	Bayview	TVA-155	Station Security Deficiency	Graffiti found at multiple locations on the station site			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	Parliament	TVA-180	Station Security Deficiency	Provide ability to view CCTV Cameras at respective UGS as per VAE-219(TVA 14)			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	Lyon	TVA-182	Station Security Deficiency	Provide ability to view CCTV Cameras at respective UGS as per VAE-219(TVA 14)			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	Pimisi	TVA-188	Station Security Deficiency	Exterior Mechanical unit HVAC/AC adjacent to stairwell B2 is easily accessible and subject to vandalism			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	Rideau	TVA-190	Station Security Deficiency	Provide ability to view CCTV Cameras at respective UGS as per VAE-219; TVA 14)			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	Ottawa	TVA-198	Station Security Deficiency	CMST Ceiling grill (01-100B) Door Monitor failed; has hardware issue, preventing operation from HMI			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	St Laurent	TVA-201	Station Security Deficiency	Fucks to be installed on escalators(between escalator and stairwell) to westbound and eastbound platform			Pre-RSA		Open		\$525.00	RSA-TBD	PRE-RSA
TVA	Lyon	TVA-118	Station Security Deficiency	Camera #68, drawing # RES-53-2-DWSU-DRD-2413, is obstructed by the lower ceiling tiles. Camera is to be lowered			Pre-RSA		Open		\$500.00	RSA-TBD	PRE-RSA
TVA	St Laurent	TVA-219	Station Security Deficiency	Wires are exposed above door inside hallway to tremblay road			Pre-RSA		Open		\$500.00	RSA-TBD	PRE-RSA

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TVA	St Laurent	TVA-229	OLR-05-3-SLSU-CER-5c3200	Provide emergency phone line from each Underground Station to the surface (IC Panel) [TVA 23]		SAT	Pre-RSA		Open		\$500.00	RSA-TBD	PRE-RSA
TVA	Lees	TVA-172	Station Security Deficiency	A gap is present in the fencing on the overpass that enables access to the ancillary building roof			Pre-RSA		Open		\$500.00	RSA-TBD	PRE-RSA
TVA	Hurdman	TVA-25	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed at Station entrance - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$400.00	1/22/2020	Minor
TVA	Lees	TVA-32	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed at Station entrance - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$400.00	1/22/2020	Minor
TVA	Ottawa	TVA-41	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed on the westbound platform - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$400.00	1/22/2020	Minor
TVA	Ottawa	TVA-49	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed at Station entrance - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$200.00	1/22/2020	Minor
TVA	Bayview	TVA-55	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed at the Station entrances - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$200.00	1/22/2020	Minor
TVA	Bayview	TVA-157	Station Security Deficiency	Incorporate design strategies to deter unwanted activity (ie Skateboarding) TVA #45			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Blair	TVA-161	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system (TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Cyrville	TVA-162	Station Security Deficiency	Incorporate design strategies to deter unwanted activity (ie Skateboarding) TVA #45			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Cyrville	TVA-163	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system (TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Hurdman	TVA-170	Station Security Deficiency	Incorporate design strategies to deter unwanted activity (ie Skateboarding) TVA #45			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Lees	TVA-173	Station Security Deficiency	Incorporate design strategies to deter unwanted activity (ie Skateboarding) TVA #45			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Lees	TVA-174	Station Security Deficiency	Incorporate intrusion detection into the stations specifically CBTC, IT and security rooms, offices, secure storage areas and rooms in the MSF (TVA 51)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Lyon	TVA-183	Station Security Deficiency	Incorporate intrusion detection to IC Panels (TVA 15)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Lyon	TVA-184	Station Security Deficiency	Incorporate intrusion detection into the stations specifically CBTC, IT and security rooms, offices, secure storage areas and rooms in the MSF (TVA 51)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Lyon	TVA-185	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system (TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Pimisi	TVA-187	Station Security Deficiency	Incorporate design strategies to deter unwanted activity (ie Skateboarding) TVA #45			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA

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TVA	Pimisi	TVA-189	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system(TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Rideau	TVA-192	Station Security Deficiency	Incorporate intrusion detection into the stations specifically CBTC, IT and security rooms, offices, secure storage areas and rooms in the MSF (TVA 51)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Rideau	TVA-193	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system(TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Tunneys Pasture	TVA-195	Station Security Deficiency	Incorporate intrusion detection into the stations specifically CBTC, IT and security rooms, offices, secure storage areas and rooms in the MSF			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Tunneys Pasture	TVA-197	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system(TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	uOttawa	TVA-200	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system(TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	St Laurent	TVA-203	Station Security Deficiency	Integrate CCTV cameras into access control and / or intrusion detection system(TVA 50)			Pre-RSA		Open		\$175.00	RSA-TBD	PRE-RSA
TVA	Lees Bayvie	TVA-40	Station Security Deficiency	Exposed conduit protruding from platform in westbound DWA	Installation not yet complete		Minor		Open		\$125.00	1/22/2020	Minor
TVA	Bayvie	TVA-62	Station Security Deficiency	Exposed conduit and junction box on the O-Train platform	OC Transpo Conduit		Pre-RSA		Open		\$125.00	RSA-TBD	PRE-RSA
TVA	Bayvie	TVA-64	Station Security Deficiency	Exposed conduit and junction box in the eastbound DWA			Pre-RSA		Open		\$125.00	RSA-TBD	PRE-RSA
TVA	Tunneys Pasture	TVA-74	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed at the station entrances - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$125.00	1/22/2020	Minor
TVA	Pimisi	TVA-96	Station Security Deficiency	Combined information call station (grey with blue button) and ETEL (yellow with red button) installed by the fare payment machine at the station entrances - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$125.00	1/22/2020	Minor
TVA	St Laurent	TVA-152	Station Security Deficiency	Three additional ETEs to be installed within the platform exit corridor to Trembaly Road have not yet been installed (TVA 459)			Pre-RSA		Open		\$125.00	RSA-TBD	PRE-RSA
TVA	Bayvie	TVA-158	Station Security Deficiency	No camera coverage of the pedestrian tunnel east of the station(TVA 449)			Pre-RSA		Open		\$125.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-245	Station Security Deficiency	The system captures, records, stores, downloads, and allows viewing (playback), and monitoring of all CCTV cameras. [Schedule 15-2 Part 6 Article 7.3 (e) (viii)]	Provide evidence	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-246	Station Security Deficiency	The system is capable of providing simultaneous viewing, recording, and playback. [Schedule 15-2 Part 6 Article 7.3 (e) (viii)]	SAT	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-248	Station Security Deficiency	All cameras have a camera identity displayed so that image loss can be detected. [Schedule 15-2 Part 6 Article 7.3 (e) (xi)]	Provide evidence	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-249	Station Security Deficiency	The system is capable of configuring recording rate and resolution individually for each camera locally or remotely. [Schedule 15-2 Part 6 Article 7.3 (e) (xii)]	SAT	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA

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TVA	MSF	TVA-250	Station Security Deficiency	The system stores all recorded images in an industry accepted standard authenticated format. At a minimum, the system is capable of supporting MPEG4 and H.264 video formats. [Schedule 15-2 Part 6 Article 7.3 (e) (ciii)]	Technical Specification- See spec list below	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-251	Station Security Deficiency	The CCTV system is proactive in determining intrusion into the alignment and private areas through the use of sensors and/or video analytics. [Schedule 15-2 Part 4 Article 6.2 (e) (ii)]	GIDS + FIDS SITS are Ongoing.	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-252	Station Security Deficiency	control readers so that any events are automatically recorded at higher frame rates and resolution. [Schedule 15-2 Part 4 Article 6.2 (e) (ii)]	SATS	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-257	Station Security Deficiency	An interface to the CTS is provided, allowing hi-speed fiber optic communications transmission for the various communications subsystems at the MSF, including CCTV, PA, telephone, IAC, train-to-wayside communications, BMS, and SCADA systems. [Schedule 15-2 Part 6 Article 7.2 (a)]	DCL/CCL DCL - Communication Systems General System Wide REJ-OLR-53-0-DCL-0258 DCL - Communication Systems TSCC REJ-OLR-53-4-DCL-0269 DCL - Communication Systems MSF REJ-OLR-53-4-DCL-0256 CCL - Comms Systems - TSCC - REJ-OLR-53-4-CCL-0244 CCL - MSF - Comms - REJ-OLR-53-4-CCL-0242 CCL - Comms - General System Wide - REJ-OLR-53-0-CCL-0243	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	MSF	TVA-258	Station Security Deficiency	The radio communications in MSF shall support operations, maintenance, security and management personnel. A dispatch console with connectivity to the City's switching site shall be installed in the BCC and YCC. [Schedule 15-2 Part 6 Article 7.3 (h) (i)]	P25 (OCT + RTM) OCT tested the radios	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	IAC	TVA-297	IAC Security Deficiency	The new IAC system is compatible with the existing system and equipment. [Schedule 15-2 Part 4 Article 6.2 (f)]	Steve to provide a Statement	Require evidence.	Pre-RSA		Open		\$100.00	RSA-TBD	PRE-RSA
TVA	St. Laurent	TVA-83	Station Security Deficiency	Combined Information call station (grey with blue button) and ETEL (yellow with red button) installed at the Station entrances - Signage varies from station to station - Inconsistent design/use of from station to station - Increased Liability			Minor		Open		\$75.00	1/22/2020	Minor
TVA	MSF	TVA-247	Station Security Deficiency	The resolution and clarity of captured images is maintained under a range of lighting conditions from darkness (>10 lux) through bright sunlight while ensuring optimal picture quality. [Schedule 15-2 Part 6 Article 7.3 (e) (ix)]	Technical Specification- See spec list below	Restriction: Testing documentation required for verification and validation.	Pre-RSA		Open		\$50.00	RSA-TBD	PRE-RSA
Unifier	Turney's Pasture Station	Turney's Pasture Station PL-00245	2018-10-23 / Inspection of Turney's Pasture Station	Artist mosaic wall not installed 01-114			Minor	Minor	Open		\$500,000.00	1/22/2020	Minor

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00262	2018-10-23 / Inspection of Tunny's Pasture Station	Artist mosaic wall net installed 01-115			Minor	Minor	Open		\$500,000.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00174	MSF Shop: Stinger 1 - 4 Not Installed	Due to Alstom Production area, certain equipment has not been installed. This has caused Failure/ per test in the Shop Distribution System Integration test. RES-16-4-MEAB-5P1166 Affected equipment: * Stinger 1 - 4 * Power Cutoff Switches 1 - 26 Jib cranes in production area Path to Closure: Once production complete, ensure affected equipment is installed and re-run DC Shop Distribution System Integration Test			Minor	Minor	Open		\$50,000.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00237	2019-01-18 / Inspection of Bayview Station	Trillium line variation work to be completed and incorporated. Bus shelter not installed			Minor	Minor	Open		\$40,000.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00198	10-25-2018 / Inspection of Pimisi Station	Louvre fence not installed			Minor	Minor	Open		\$30,000.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00259	10-25-2018 / Inspection of Pimisi Station	Roof parapet coping/flashing incomplete			Minor	Minor	Open		\$25,000.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00221	2018-10-23 / Inspection of Tunny's Pasture Station	Roof parapet cap flashing incomplete			Minor	Minor	Open		\$25,000.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00113	2018-12-06_Segment 1 - Preston Street Detour	Segment 1 - Preston Street Detour Reinstatement			Minor	Minor	Open		\$20,000.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00146	Waller Street: Lot K	Waller Street: Lot K			Minor	Minor	Open		\$17,500.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00145	Waller Street: MUP and landscape	Waller Street: MUP and landscape.			Minor	Minor	Open		\$20,000.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00112	2018-12-06_Blair Station - Bus loop Construction	Blair Station - Bus loop Construction stage 4.			Minor	Minor	Open		\$12,500.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00144	Waller Street: Streetlight	Waller Street: Streetlight			Minor	Minor	Open		\$15,000.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00494	Fix and align bollards around natural gas connect				Minor	Minor	Open		\$10,000.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00523	Double Swing Gate Adjustments	Current door hardware on double swing gates in LM area not functioning properly. To coordinate with Cavanaugh to determine alternative solution.	n/a		Minor	Minor	Open		\$12,500.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00608	E571	Water infiltration observed under side of drivers tunnel concrete slab. OLRT informed that waterproofing in progress. Ensure that base coat is rectified prior to installation of top coating membrane and remedial work monitored by third party for QA. Conc finish appearance not to the acceptable level of Arch finish concrete. Tie bar hole patten and form joints of concrete finish of generator/ bicycle pad not conforming to previous clarification issued under EJV/RRF-0289			Minor	Minor	Open		\$12,500.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00257	10-25-2018 / Inspection of Pimisi Station	Elevator shroud above roof line is incomplete			Minor	Minor	Open		\$10,000.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00065	2018-09-12 / Inspection of Bayview Station	35.4 Radiant heaters are to be aligned and concealed by shroud per IFC detail 4 (See photo 21)			Minor	Minor	Open		\$11,000.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00219	2018-10-23 / Inspection of Tunny's Pasture Station	Elevator shroud above roof line incomplete			Minor	Minor	Open		\$10,500.00	1/22/2020	Minor
Unifier	MSF Connector	MSF ConnectorPL-00051	2018-10-26 / Inspection of MSF Structure # 1 to 7	32.8 Grading above structure 6/7 connection (photo 22).			Minor	Minor	Open		\$12,000.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00185	10-25-2018 / Inspection of Bayview Station	Heater shroud to be extended, and finish paint required, end caps to be installed similar to other station/ project wide details.			Minor	Minor	Open		\$8,500.00	1/22/2020	Minor

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Unifier	Bayview Station	Bayview StationPL-00241	2019-01-18 / Inspection of Bayview Station	37.3 Additional lighting mounted on Unistrut near Elevator 1&2 does not maintain design intent of the stations. Light fixtures must be concealed within sign band or freely suspended. (Photo 1 & 2)			Minor	Minor	Open		\$8,500.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00279	2019-01-18 / Inspection of Tunney's Pasture	Louvre fence of outdoor mechanical units east end of platform not inst'd			Minor	Minor	Open		\$8,000.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00143	Waller Street: Top layer of Asphalt	Waller Street: Top layer of Asphalt			Minor	Minor	Open		\$9,500.00	1/22/2020	Minor
Unifier	Cyrville Station	Cyrville StationPL-00217	2018-06-29 / Inspection of Cyrville Station	-Final cleaning to be completed			Minor	Minor	Open		\$6,250.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00150	Nicholas Street-Streetlight between Guideway&Nico	Nicholas Street: Streetlight between Guideway and Nicholas.			Minor	Minor	Open		\$20,000.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00151	Uttawa to Marchand Alley: Install Streetlights	Uttawa to Marchand Alley: Install Streetlights.			Minor	Minor	Open		\$15,000.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00543	2017-08-17 / Inspection of MSF Site	3. Sidewalk is damaged in minimal area along Belfast in vicinity of main entry.			Minor	Minor	Open		\$5,000.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00724	03/06/2016 - MSF Site Inspection	1.17 - Sidewalk is damaged along Belfast in vicinity of main entry.			Minor	Minor	Open		\$5,000.00	1/22/2020	Minor
Unifier	Cyrville Station	Cyrville StationPL-00136	2018-06-29 / Inspection of Cyrville Station	-Clean and touch up epoxy flooring.			Minor	Minor	Open		\$5,000.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00258	10-25-2018 / Inspection of Pimisi Station	Snow guard not installed			Minor	Minor	Open		\$5,250.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00240	2019-01-18 / Inspection of Bayview Station	37.2 Gap greater than 10mm observed at windscreen glazing near end of platform door west end (Eastbound and westbound)			Minor	Minor	Open		\$5,250.00	1/22/2020	Minor
Unifier	MSF Connector	MSF ConnectorPL-00052	2018-10-26 / Inspection of MSF Structure # 1 to 7	32.9 Water inside electrical duct banks. Precast walkway lids removed in localized areas throughout.			Minor	Minor	Open		\$5,000.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00479	Lyon Remote SCADA-Station Test case failures	T&C: Conducted SCADA/Stations Remote for Lyon Station RES-16-2-DWSU-SIT-2R2148 conducted on April 4 2019. T&C could not complete Steps in Test case 1 and 2 as follows: Test Case 1 1. DR02-100C-ST5 Shows open when door is closed. 2. LCP01-EMRPWR & LCP0s-EMRPWR did not work due to hardware deficiencies 3. EG02010A did not function due to hardware deficiencies 4. EG02009B did not function due to hardware deficiencies 5. HI-TEMP Switch 13,17,18,20,22, & 24 were not installed at the time of testing. Test Case 2 1. DR050021-LCK did not function due to hardware deficiencies 2. 05002D locks and unlocks 05002A and 05002B			Minor	Minor	Open		\$5,000.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00220	10-25-2018 / Inspection of Bayview Station	Frit along glazing at North and South Elevations to be installed			Minor	Minor	Open		\$4,250.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00226	2019-01-18 / Inspection of Bayview Station	Utility Cabinet trim, closures to adjacent materials, and in general are incomplete.			Minor	Minor	Open		\$4,500.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00185	10-25-2018 / Inspection of Pimisi Station	DWA heater shroud to be cleaned and painted to match W5 colour used to closely match SST S1 windscreen posts			Minor	Minor	Open		\$3,500.00	1/22/2020	Minor
Unifier	Trackwork	TrackworkPL-00290	06/06/2016 Walkthrough of MSF yard Trackwork	Fouled ballast due to wash out of slope at south portal. Requires repair			Minor	Minor	Open		\$3,000.00	1/22/2020	Minor

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Unifier	Systems	SystemsPL-00490	Rideau SCADA/Station Test Case failures	T&C Conducted SCADA/Stations Local for Rideau Station RES-16-2-RISU-SIT-2R2146 conducted on April 5 2019. T&C could not complete Steps in Test case 1 and 2 as follows: 1. Test Case 1 DR2002B-ST5,DR5006B-ST5,DR5009A-ST5,DR2023B-ST5,DR1031B-ST5,DR5008A-ST5,DR3008-ST5,DR6005A-ST5 did not function correctly due to hardware issues. 2. Test Case 1. EG01010A-ST5,EG01009A-ST5,EG01029A-ST5,DR1030A-ST5 construction deficiencies prevented testing of these devices. 3. Test Case 1. HTVAV12-ST5, HTVAV19-ST5 did not function due to hardware deficiencies 4. Test case 1 & 2 SNTLGT-NRPWR-1,SNTLGT-EMRGPWR-1, SNTLGT-NRPWR-2, SNTLGT-EMRGPWR-2, SNTLGT-ONCMD did not function due to hardware deficiencies 5. test case 2 DR6005A-LCK,DR6005B-LCK, DR6005C-LCK did not function correctly due to hardware issues.	Review / correction of the above mentioned deficiencies are required, for all above. Notify T&C when work has been completed, provide evidence of completion T&C to re- conduct the Test Cases.		Minor	Minor	Open		\$3,500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00495	T&C: Operational Signage Test Zone 5	T&C conducted Operational signage test RES-16-8-0000-5R167 Zone 5 on Nov 30 2019. Noted there are a number of Test Sheets that are failures. Failures Range from signage not installed, to installed in wrong location , wrong signage installed, or installed incorrectly These are listed on the attachment.			Minor	Minor	Open		\$3,200.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00496	Pimisi Station Etel CAM issues	T&C conducted ETEL/EHFI/SCADA/CCTV Test RES-16-1-1-BST-SIT-1P2050 on April 4 2019, noted there are 2 deficiencies against Test Case 3&6 and the test will need to be re-conducted against the test steps affected. Test Case 3&6 Step - ETEL-ITEL-01 CAM-31 is not secured properly so it constantly retakes, Alarms not generated. Test Case 3&6 Step 6 - CAM-49 does not show ETEL-ITEL-03			Minor	Minor	Open		\$3,200.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00499	Tunneys Station Etel CAM issues	T&C conducted ETEL/EHFI/SCADA/CCTV Test RES-16-1-TUST-SIT-1P2052 on April 5 2019, noted there is 1 deficiency against Test Case 3&6 and the test will need to be re-conducted against the test steps affected. Test Case 3&6 Step 7,8 CAM-54 does not show ETEL-ITEL-02 (it actually shows CAM-52 from Rideau Station)			Minor	Minor	Open		\$3,200.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00471	Cyrville Camera 34 needs adjustment	T&C conducting ETEL/EHFI/SCADA/CCTV RES-16-5-CYST-SIT-4R2041 on April 3 2019, noted that Test Case 1 and 4 Step 7 could not be concluded: ETEL-SCAM-34 shows view of Stairs (not the ETEL)			Minor	Minor	Open		\$3,200.00	1/22/2020	Minor

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Unifier	Systems	SystemsPL-00491	Rideau SCADA/Station Local Test Case failures	T&C: Conducted SCADA/Stations Local for Rideau Station RES-16-2-RISU-SIT-2R2160 conducted on April 5 2019. T&C could not complete Steps in Test case 1 and 2 as follows: 1. Test Case 1 DR2002B-ST5,DR5006B-ST5,DR5009A-ST5,DR2023B-ST5,DR1031B-ST5,DR5008A-ST5,DR3008-ST5,DR6005A-ST5 did not function correctly due to hardware issues. 2. Test Case 1. EG01010A-ST5,EG01009A-ST5,EG01029A-ST5,DR1030A-ST5 construction deficiencies prevented testing of these devices. 3. Test Case 1. HTVAV12-ST5, HTVAV19-ST5 did not function due to hardware deficiencies 4. Test case 1 & 2 SNTLGT-NRPWR-1,SNLGT-EMRGPWR-1, SNTLGT-NRPWR-2, SNTLGT-EMRGPWR-2, SNTLGT-ONCMD did not function due to hardware deficiencies 5. test case 2 DR6005A-LCK,DR6005B-LCK, DR6005C-LCK did not function correctly due to hardware issues.	Review / correction of the above mentioned deficiencies are required, for all above. Notify T&C when work has been completed, provide evidence of completion T&C to re- conduct the Test Cases.		Minor	Minor	Open		\$3,200.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00058	Tremblay Station - Damaged Guideway Pullbox	Guideway pullbox CPB W428 at Tremblay Station was damaged when the lid was removed to open the pullbox. The lid has been damaged and there is slight damage to the pullbox itself. Refer to attached pictures. The damage to the lid and the pullbox must be repaired and the lid must be replaced on the pullbox.			Minor	Minor	Open		\$2,750.00	1/22/2020	Minor
Unifier	Tremblay Station	Tremblay StationPL-00084	2019-01-18 / Inspection of Tremblay Station	Wall paint touchup			Minor	Minor	Open		\$2,750.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00074	2019-01-18 / Inspection of Lees Station	Utility cabinet covers missing. FHC to be colour matched to Utility Cabinets			Minor	Minor	Open		\$2,750.00	1/22/2020	Minor

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Unifier	Cyrville Station	Cyrville StationPL-00227	2018-06-29 / Inspection of Cyrville Station	-Expose concrete within stairwell to be reviewed against architecturally exposed concrete finish	This issue is for concrete within the stair well not just the stairs themselves. Has the concrete within been review for architectural concrete by someone? Has the re-poured concrete been reviewed for architectural concrete? Please verify and send evidence: QC 2602-2019 DW proxy as Alexandra D - Stair C has been clipped & repaired, item complete. Quality to close. Photo backup, CCL attached. ----- They are both of		Minor	Minor	Open		\$2,750.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00477	SCADA/TPSS-6 Remote Test not completed	I&C conducting Test Procedures SCADA/TPSS (Remote) RES-16-3-TP06-SIT-3R2107 on Oct 28 2018 noted 1. The IAC SAT has not been conducted Test Case 3 DI-284. 2. Kirk key is locking the Aux. XFM Test Case 3 DI 101-107, D0-6,7 T&C cannot complete test.			Minor	Minor	Open		\$2,750.00	1/22/2020	Minor
Unifier	Tremblay Station	Tremblay StationPL-00029	2017-11-22 / Inspection of Tremblay Station	1.6 Vegetated Vine Buffer on Guideway Fence is not apparent at time of site review.			Minor	Minor	Open		\$2,000.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00600	Site Issue 515	TPSS-09 - Fg 111: Building doors are not monitored by SCADA	OLR-50-0-S005-ARG-0001 - Siemens TPSS-09 Yard FAT Report		Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00358	PL -STL West Tunnel Vert Rm SCADA	During Turnover of the St Laurent West Tunnel Vent room #02-139 it was noted that SCADA termination on (IMP-4) has not been completed (Punch List item - work to be completed) Path to Closure: Complete termination of wiring provide PICO/SAT evidence of completion on Unifier and notify I&C.			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00199	Blair Commn Rm - Mislabeled Cables	Many installed and terminated cables in the Blair Station Commn room are not properly identified with correct labels. For example, when one of the FEC was moved, some of the cables were not re-labeled.			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00688	E1005	Regarding subdrain # 3 as described above	Comments on attached file.		Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00715	03/06/2016 - MSF Site Inspection	1.5 - There is no tactile plate at main entry from parking lot.			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00081	2019-01-18 / Inspection of Lees Station	Touch up paint on walls and door frame			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00229	2019-01-18 / Inspection of Bayview Station	Closures within the Type C columns are being installed, but hanging loose cables are still present, they should be secured up within the flanges out of site.			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00233	2019-01-18 / Inspection of Bayview Station	Closures within the Type C columns are being installed, but hanging loose cables are still present, they should be secured up within the flanges out of site.			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00147	Waller Street: Access to Lot K	Waller Street: Access to Lot K			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor

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Unifier	Cyrville Station	Cyrville StationPL-00247	2019-01-18 / Inspection of Cyrville Station	45.2 Porcelain panel damaged near Door 02-105 of Snow removal Room. (Photo 1)			Minor	Minor	Open		\$2,250.00	1/22/2020	Minor
Unifier	Blair Station	Blair StationPL-00845	2019-01-18 / Inspection of Blair Station	52.6 Flashing at maintenance door is incomplete (Concourse level) (Photo 9, 10)			Minor	Minor	Open		\$2,100.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00467	Lees Station Door lock failed - wiring issues	T&C Conducting Test Procedure SCADA Stations & Systems RES-16-4-TRST-SIT-3R2156 on April 3 2019. Noted that Test Case Count 9 and Test Case 2 Count 5 could not be completed as the door lock failed on DR1103STS & DR1103LCK due to wiring issues.			Minor	Minor	Open		\$2,100.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00468	UOttawa Coiling Grille hardware issue	T&C Conducting Test Procedure SCADA Stations & Systems RES-16-4-TRST-SIT-3R2156 on April 3 2019 Noted that test Case 1 & 2 could failed, due to the CMST-COILING-GRILLE-01-100-B-DR having hardware issue, preventing operation from HMI.			Minor	Minor	Open		\$2,100.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00461	T&C Operational Signage Test Zone 1 Fail	T&C Conducted operational signage test in zone 1 on Feb 21 2019, Test has failed for the following reasons: Test Sht 1 TUN-W-1/TUN-E-1 wrong location as per discussion with OCT rep and city. Test Sht 2 22-26 Gate does not exist: "Access from Tunney's pasture platform" as built/redline OLR-12-0-000-DRM-0005 Test Sht 2 TUN-W-1/TUN-E-1 wrong location as per discussion with OCT rep and city. Test Sht 5 BAY-W-1/BAY-E-1/BAY-W-0/BAY-E-0: wrong location as per discussion with OCT Rep and city. Test Sht 6 PIM-W-1/PIM-E-1: wrong location as per discussion with OCT rep and city. Test Sht 6 PIM-W-0/PIM-E-0: wrong location as per discussion with OCT rep and city. Test Sheet 8 1,2 Not installed: Emergency Services access does not exist, as built/redline OLR-12-0-000-DRM-0005 Test sht 9 No.1 Not installed Test Sht 10 o. 1 not installed Test Sht 11 98+999 Signage not installed, 100+171A not installed 100 +170B Signage not installed,100+268B Not installed 100_268A not installed, 100+397 Not installed.			Minor	Minor	Open		\$2,100.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00493	Parliament SCADA-Station Local test case failures	T&C conducting SCADA/Stations Remote Parliament RES-16-2-DESU-SIT-2R2161on April 4 2019, noted that test case 1,2 could not be completed due to failure of test step Test Case 1: 1. LCP01&02 status reversed 2. DOR(01:01B)-STA failed due to hardware deficiencies Test Case 2: 1. DOR(03:001A)LCK,DOR(03:001B)-LCK,DOR(03:001C)-LCK,DOR(04:001B)-LCK, DOR(03:005A-LCK, DOR(03:001D)-LCK did not work due to hardware deficiencies.			Minor	Minor	Open		\$2,100.00	1/22/2020	Minor

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Unifier	Systems	SystemsPL-00480	Lyon Local SCADA-Station Test case failures	T&C: Conducted SCADA/Stations Local for Lyon Station RES-16-2-DWSU-SIT-2R2162 conducted on April 4 2019. T&C could not complete Steps in Test case 1 and 2 as follows: Test Case 1 1. DR02-100C-ST5 Shows open when door is closed. 2. LCPV1-EMRPWR & LCP08-EMRPWR did not work due to hardware deficiencies 3. EG02010A did not function due to hardware deficiencies 4. EG02009B did not function due to hardware deficiencies 5. HI-TEMP Switch 13,17,18,20,22, & 24 were not installed at the time of testing. Test Case 2 1. DR05002I-LCK did not function due to hardware deficiencies 2. 05002D locks and unlocks 05002A and 05002B Test Case 1 & 2 1. DR04006A did not function due to hardware deficiencies			Minor	Minor	Open		\$2,100.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00013	Track and OCS Not Complete (deferred), track 16 17	In System Integration Test RES-16-8-0000-SIT-5R1014 Visual Inspection of the OCS-Pantograph interaction, test number 15 and 16 were not performed. There is no track or OCS installed after switch 514 (D). This affects track 16 and 17.	Migrated Record.		Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00015	Tests Deferred due to FVA	In System Integration Test RES-16-8-0000-SIT-5R1014 Visual Inspection of the OCS-Pantograph interaction, test numbers 7, 8, 9, 10, 11, 12 were partially performed. When FVA is complete, retest steps 7, 8, 9, 10, 11, 12.	Migrated Record.		Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00014	Track and OCS Not Complete (deferred), track 19	In System Integration Test RES-16-8-0000-SIT-5R1014 Visual Inspection of the OCS-Pantograph interaction, test number 21 and 22 were not performed. There is no track or OCS installed after switch 515 (N). This affects track 19.	Migrated Record.		Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00513	Kelson to connect BMS monitoring to city meter	Comment: There is a request that Trane (Kelson) to connect BMS monitoring to the City meter. Kelson mentioned they will require MSF Staff to obtain an attachment to that effect from the City. UPDATE: RFI Discussion ongoing with EJV.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00523	Speed Indicative panel	Install and wire outside speed indicative panel			Minor	Minor	Open		\$2,000.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00038	2018-03-05 / Inspection of Bayview Station	28.1 Porcelain panel damage noted at two panels at ancillary building at grid lines O.2)/D (two lowest at the very end of). Need to be replaced. See photos 11 & 12 of REA-40-5-BAST-SVR-0028.			Minor	Minor	Open		\$1,750.00	1/22/2020	Minor
Unifier	Tremblay Station	Tremblay StationPL-00046	Tremblay Station Foot Path Fencing damaged	Observation by T&C Personnel on May 1 2018 at Tremblay Station Foot Path (TPSS 6 area) fencing has been damaged creating an opening. (see Pic) Path to Closure: Repair/replace fence panel to remove opening.	SVR-0003 not attached TP proxy as Michael Wallwork, Attached are copies of SVR-0003. Quality to close item in Unifier. Note from Site Engineer: Guideway deficiency not a Station deficiency. Close item		Minor	Minor	Open		\$1,750.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00249	OCS Electrical SIT Zone 3 YODS not energised	During the T&C SIT for OCS Electrical verification RES-16-8-0000-SIT-3P1012 conducted on Dec 5 2017 the test was modified for test step 44 and 47. YODS-02 and YODS-01 were not energized due to construction of Phase 2. Step 44 and 47 were modified to verify power only to both YODS. Path to closure: Re-conduct test steps when phase 2 construction complete			Minor	Minor	Open		\$2,500.00	1/22/2020	Minor

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Unifier	MSF	MSFPL-00633	E601	IMP damaged at East Elev GL 2 & 4 Remedial action is required. We also recommend IMP be protected at grade level. (See photo 36)			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00663	E650	3. MSF - Aire barrier membrane is missing at foundation walls along west elevation at GL 'A6' & 'Ag'. Ensure 100 min transition membrane overlap is provided at adjoining surfaces. (see photo 37)			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00661	E647	13. Redundant holes on walls are to be filled and make good wall finish. (See photo 14)			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00685	E697	MSF _ West Elev- Curtain wall flashing damaged north of main vestibule 01-001. (See photo 59)			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00157	10-25-2018 / Inspection of Bayview Station	Metal closure is required to conceal strobe light connection/conduit at Type C column			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00171	2018-10-23 / Inspection of Turney's Pasture Station	Faint touchup on walls			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00064	04-20-2018 / Inspection of Lees Station	28.4 Porcelain panel flashing damaged east of doors 01-106.			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00083	2019-01-18 / Inspection of Lees Station	Metal closure required at: mech pipe line penetration thru conc floor			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00090	2019-01-18 / Inspection of Lees Station	Touch up paint on walls and door & frame			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	St Laurent Station	St Laurent StationPL-00515	2019-01-18 / Inspection of St. Laurent Station	Structural steel at Elevators required to be painted to match other stations, rusting also visible from water penetration at bus platform above.			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00266	2018-11-15 / Inspection of Pimisi Station	15.1 Entrance lobby 01-102 appeared dark and not uniform. Lanterns were not complete so when these are turned on with panel installed it will improve overall light levels. However, it will need to be revisited. Recessed linear lights between the wooden ceiling may have to be installed. Refer to drawing markups for locations.			Minor	Minor	Open		\$1,500.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00270	2018-11-15 / Inspection of Turney's Pasture	13.2 Platform Areas 1 and 2 has low levels at A,B,C, D stairs/escalators. Additional type B2c fixtures are proposed to increase light levels. Please refer to markups			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00108	2018-12-6 HWY 417 Nicolas N/E ramp(signs/painting)	Highway 417- Nicolas N/E ramp (signs/painting). Closures within the type C columns are being installed, but hanging loose cables are still present, they should be secured up within the flanges out of site.			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00282	2019-01-18 / Inspection of Turney's Pasture	T&C conducting Test Procedures SCADA/TPSS (Remote) RES-16-1-TP01-SIT-1R2112 The IAC SAT has not been conducted and T&C cannot conclude the testing of Test Case 3 DI-284.			Minor	Minor	Open		\$1,550.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00472	SCADA/TPSS Remote Tests not completed	T&C conducting SCADA/TPSS-02 Remote Procedure RES-16-1-TP02-SIT-1R2111. On Feb 15 2019 could not complete test due to the following: 1. Door IAC SAT not completed - affects building intrusion alarm test. Test case 3 DI-284 2. Building temperature alarm wiring issue Test Case 3 DI-283			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00474	SCADA/TPSS-3 Remote Test not completed	T&C conducting Test Procedures SCADA/TPSS (Remote) RES-16-2-TP03-SIT-1R2110 on Dec 5 2018 noted The IAC SAT has not been conducted and T&C cannot conclude the testing of Test Case 3 DI-284.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor

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Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	Systems	SystemsPL-00475	SCADA/TPSS-4 Remote Test not completed	T&C conducting Test Procedures SCADA/TPSS (Remote) RES-163-TP04-SIT-2R1029 on Dec 6 2018 noted 1. The IAC SAT has not been conducted Test Case 3 DI-284. 2. Hardware issue with aux transformer- shows status as in travel which is incorrect. Test Case 3 DO-6.7&D1-101,102 this has been (added to Siemens Def list) 3. Hardware issue - Building temp alarm wiring issue Test case 3 DI-283			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00478	SCADA/TPSS-8 Remote Test not completed	T&C conducting Test Procedures SCADA/TPSS (Remote) RES-16-3-TP08-SIT-4R2105 on Oct 28 2018 noted The IAC SAT has not been conducted and T&C cannot conclude the testing of Test Case 3 DI-284.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00476	SCADA/TPSS-5 Remote Test not completed	T&C conducting Test Procedures SCADA/TPSS (Remote) RES-16-3-TP05-SIT-3R2108 on Oct 28 2018 noted The IAC SAT has not been conducted and T&C cannot conclude the testing of Test Case 3 DI-284.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00484	Tunney SCADA-Station Test case failures	T&C Conducted SCADA/Stations Local for Tunney Station RES-16-1-TUST-SIT-1P2165 conducted on April 4 2019. T&C could not complete Steps in Test case 1 and 2 as follows: Test Case 1& 2 1. DR2100D-ST5 & LCK has a hardware issue, preventing operation from HMI Test Case 2 1. D2100A-LCK has hardware issue, locking the incorrect door			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00462	T&C Operational Signage Test Zone 4 Failed	T&C Conducted Operational signage test RES-16-8-SIT-4P4168 on Feb 21 2019, Test has failed for the following reasons: Test sht 3 CYR-W-0: sign not installed Test Sht 9: 110+520A signage not installed, 110+542B signage not installed, 110+542A signage not installed 110+557B signage not installed.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00492	Parliament SCADA-Station Remote test case failures	T&C conducting SCADA/Stations Remote Parliament RES-16-2-DESU-SIT-2R2147 on April 4 2019, noted that test case 1,2 could not be completed due to failure of test step Test Case 1: 1. LCP01&02 status reversed 2. DOR(01:01B)-STA failed due to hardware deficiencies Test Case 2: 1. DOR(03:001A)LCK,DOR(03:001B)-LCK,DOR(03:001C)-LCK,DOR(04:001B)-LCK, DOR(03:005A-LCK, DOR(03:001D)-LCK did not work due to hardware deficiencies.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00464	T&C Operational Signage Test Zone 2 Fail	T&C conducted Operational signage test RES-16-8-0000-2P4170 Zone 2 on Feb 21 2019, test has been failed for the following reasons: Test sht 5 LYN-W-0/LYN-E-0: wrong location as per discussion with			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00489	SCADA/TPSS 10 Breaker & IAC Failed	T&C Conducted SCADA/TPSS 10 Shop SIT RES-16-4-TP10-SIT-5R2104 April 5 2019, noted the following issues that did not allow for test completion. 1. Test Case Step 1- AC Main Breaker Trip failed at time of testing 2. Test case 3 DI-179-DC Cathode Breaker #2 and #9N1 Status Disagreement failed. 3. Test Case 3 DI-283,285 to 286 Building temperature alarm, building fire alarm unit trouble, Building HVAC power loss failed 4. Test case 3 DI-284 IAC SAT not completed to test building intrusion door alarm.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	Systems	SystemsPL-00502	Lyon IAC Test Deficiency	T&C Conducted Test Procedure RES-16-2-DWSU-SIT-2R2063 on May 8 2019, noted Deficiencies are as follows: Test Case 1 Step 18 02-008A - Camera is not looking at door, but still has visual of people entering and leaving the area. Test Case 1 Step 29 02-015A - IAC Card reader does not change color, door commands not functioning Test Case 1 Step 41 05-002-D-IN - Door forced and Door held open alarms do not appear on SCADA.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00503	Parliament IAC Test deficiencies	T&C Conducted Test Procedure RES-16-2-DESU-SIT-2R2062 on May 8 2019, noted Deficiencies are as follows: Test Case 1 Steps 32,34,37 Camera is not looking at the door but still have a visual of people entering and leaving area. Test Case 1 Step 40 Camera is not looking at the door Test Case Step 50 Status always shows open and alarms are not functioning. Camera not looking at door, still visual of people entering and leaving area.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00505	Blair IAC Test deficiencies	T&C Conducted Test Procedure RES-16-5-BLST-SIT-4R2054 on May 13 2019, noted Deficiencies are as follows: Test Case 1 Step 21 03-101C Camera Alarm did not activate and door held open and door forced are not functioning Test Case 1 Step 22 TPSS8-01 Door Status does not show correctly			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00506	St Laurent IAC Test Deficiencies	T&C Conducted Test Procedure RES-16-5-SLSU-SIT-3R2065 on May 14 2019, noted Deficiencies are as follows: Test Case 1 Step 1 02-135b No camera is available to view this door door status, Grant/Lock/Unlock/Door forced and Held Alarm are all functional in SCADA			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00507	Cyrville IAC Test Deficiencies	T&C Conducted Test Procedure RES-16-5-CYST-SIT-4R2055 on May 14 2019, noted Deficiencies are as follows: Test Case 1 Step 15 TPSS7-01 Door held open is not functioning.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00508	Pimisi IAC Test Deficiencies	T&C Conducted Test Procedure RES-16-1-LBST-SIT-1R2064 on May 14 2019, noted Deficiencies are as follows: Test case 1 Step 6 Strike can contact hardware not installed Test Case 1 Step 17 IAC reader not installed and wiring not terminated test case 1 Step 21 TPSS2-01 Door remains unlocked, even when locked the lock command is sent.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00501	Lees IAC Test Deficiency	T&C Conducted test Procedure RES-16-3-LEST-SIT-2R2059 on May 14 2019 noted the following deficiency Test case 15 Step 12 and test case 3 01-103C: Camera does not activate on IndigoVision Door status, Grant/Lock/Unlock, Door forced and held alarm are all functional on SCADA Redline to: Door 01-103C IN and change CAM-44 to CAM-12 PIZ.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00509	Tunnys pasture IAC test deficiencies	T&C Conducted Test Procedure RES-16-1-TUST-SIT-1R2066 on May 14 2019, noted Deficiencies are as follows: Test case 1 Step 16 TPSS 1 Back door held open alarm did not function			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00504	Ottawa IAC Test Deficiencies	T&C Conducted Test Procedure RES-16-3-CMST-SIT-2R2060 on May 14 2019, noted Deficiencies are as follows: Test Case 1 Step 12 Door needs to be configured on IAC System Test Case 1 Step 14 CAM-02 door status and door held open alarms not functioning.			Minor	Minor	Open		\$1,600.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information										Independent Certifier Pricing and Comments			
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	MSF	MSFPL-00681	E692	MSF _ Vestibule 01-202- Door operator location does not meet barrier free requirement at door 01 600mm away from door leaf. (See photo 54)			Minor	Minor	Open		\$1,400.00	1/22/2020	Minor
Unifier	St Laurent Station	St Laurent StationPL-00331	2018-06-28 / Inspection of St. Laurent Station	Damaged porcelain panel to be replaced.			Minor	Minor	Open		\$1,500.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00184	2018-10-23 / Inspection of Tunney's Pasture Station	Concrete topping cracks infill			Minor	Minor	Open		\$1,500.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00179	2018-10-23 / Inspection of Tunney's Pasture Station	Concrete topping cracks infill			Minor	Minor	Open		\$1,500.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00225	2019-01-18 / Inspection of Bayview Station	Post applied frit distraction pattern required, frit at the bottom of the North and South full height glazing, and end of platform glazing			Minor	Minor	Open		\$1,500.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00278	2019-01-18 / Inspection of Tunney's Pasture	Ceiling panels around elevators to be completed.			Minor	Minor	Open		\$1,500.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00236	2018-10-23 / Inspection of Tunny's Pasture Station	Conduit chases incomplete			Pre-RSA	Pre-RSA	Open		\$1,250.00	RSA - TBD	PRE-RSA
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00239	2018-10-23 / Inspection of Tunny's Pasture Station	Linear light fixture of sign band not per reviewed shop drawings / square profile is required			Minor	Minor	Open		\$1,250.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00251	2018-10-23 / Inspection of Tunny's Pasture Station	Concrete topping crack sealant infill incomplete			Minor	Minor	Open		\$1,250.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00256	2018-10-23 / Inspection of Tunny's Pasture Station	Linear light fixture of sign band not per reviewed shop drawings / square profile is required			Minor	Minor	Open		\$1,250.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00253	2018-10-23 / Inspection of Tunny's Pasture Station	Conduit chases incomplete			Pre-RSA	Pre-RSA	Open		\$1,250.00	RSA - TBD	PRE-RSA
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00254	2018-10-23 / Inspection of Tunny's Pasture Station	RWL enclosures incomplete			Pre-RSA	Pre-RSA	Open		\$1,250.00	RSA - TBD	PRE-RSA
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00246	2018-10-23 / Inspection of Tunny's Pasture Station	SST clad at elevator doors incomplete			Pre-RSA	Pre-RSA	Open		\$1,250.00	RSA - TBD	PRE-RSA
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00252	2018-10-23 / Inspection of Tunny's Pasture Station	ACM soffit access panels not installed			Minor	Minor	Open		\$1,250.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00051	TPSS-08 Neutral Bond Train Run	Neutral Bond Test RES-16-0-0000-SIT-0P1029 Train Run Test, was not conducted as part of the Baseline initial test, as it will be deferred until early 2018. Pathway In closure: Conduit Train Run Test in 2018. MSF CCTV camera 09-W is identified as follows in the drawing RES-53-4-MEAB-DRD-0031 rev. 4: "West Gate (driver)". The camera lens is of the "fisheye" type. During the demonstration, it was not really possible to see the driver's face.			Pre-RSA	Pre-RSA	Open		\$1,300.00	RSA - TBD	PRE-RSA
Unifier	Systems	SystemsPL-00073	CCTV City Audit - Camera 09-W - OFI-SA-008-001				Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Hurdman Station	Hurdman StationPL-00020	2017-06-13 - Inspection of Hurdman	26.7 - Broken Porcelain Tile at the back side of the BoB (East Elevation) to be replaced. See photo 20	Flynn to repair.		Minor	Minor	Open		\$1,150.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST **ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019**

Deficiency Information										Independent Certifier Pricing and Comments			
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	Systems	SystemsPL-00175	MSF Shop: SCADA not functional	During the execution of 'DC Shop Distribution' system integration test, RES-16-4-MEAB-5P1166, test steps related to confirmation of SCADA points was not performed. Path to Closure: Install and make SCADA functional. Re-run affected steps of 'DC Shop Distribution' system integration test.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00219	2017-11-16 / Inspection of TPSS 08	1.3 Labels on cables missing. See Figures 3, 5, and 7.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00625	E591	Voids/gaps found at Smoke seal/acoustic sealant: joint at junction of gypsum board and roof deck. Ensure sealant is troweled in and compressed into joint. (see photo 27, 28, and 29)			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00615	E703	MSF _ Alum flashing stepped short at window mullion at GL Aa & A6 north of Stair 21. (See photo 33)			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00654	E631	18. AB membrane is missing u/s of roof parapet coping. Min. 100 transition membrane overlap is required for future tie-in (See photo 35, 36) South roof throughout			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00156	10-25-2018 / Inspection of Bayview Station:	Light fixture linear housing along curtain wall not as shown on HDR-1336			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00206	10-25-2018 / Inspection of Bayview Station:	porcelain panel defect at corner adjacent to stair hand rail	Please review SVR-0037 it has not been removed, issue remains open. QC - SR Removed in SVR-0037. KC		Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00096	10-25-2018 / Inspection of Pimisi Station	ACM panel is damaged above corridor Door 01-106A			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00167	10-25-2018 / Inspection of Bayview Station:	Conduit chase incomplete			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00067	2018-09-21 / Inspection of Turney's Pasture Station	33.4 Exposed heat trace junction boxes observed along artwork mosaic wall to be addressed. (See photo 14)			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00080	2018-10-23 / Inspection of Turney's Pasture Station	Conduit chases incomplete			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00089	2018-10-23 / Inspection of Turney's Pasture Station	Artist mosaic wall not installed			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00103	2018-10-23 / Inspection of Turney's Pasture Station	Metal closure is required to conceal conduits at column Web			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00078	2018-10-23 / Inspection of Turney's Pasture Station	Concrete topping crack sealant infill incomplete			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00083	2018-10-23 / Inspection of Turney's Pasture Station	Linear light fixture of sign hand not per reviewed shop drawings / square profile is required			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00246	10-25-2018 / Inspection of Pimisi Station	RWL enclosure is incomplete			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00202	2018-10-23 / Inspection of Turney's Pasture Station	Exposed embed plates at columns to be addressed. Provide remedial proposal for review.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
Deficiency Information							Independent Certifier Pricing and Comments						
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00081	2018-10-23 / Inspection of Tunny's Pasture Station	RWL enclosures incomplete			Pre-RSA	Pre-RSA	Open		\$1,150.00	RSA - TBD	PRE-RSA
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00098	2018-10-23 / Inspection of Tunny's Pasture Station	Louvre fence of outdoor mechanical units east end of platform (North & South) not installed			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00231	2019-01-18 / Inspection of Bayview Station	Post applied frit distraction pattern required. frit at the bottom of the North and South full height glazing, and end of platform glazing			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00235	2019-01-18 / Inspection of Bayview Station	Concrete repair on Stair A mid landing, and bike trough required.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Hurdman Station	Hurdman StationPL-00313	2019-01-18 / Inspection of Hurdman Station	Frit throughout the station on the bottom of windscreens as well as the distraction pattern frit on the concourse windscreens to be installed			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	MSF	MSFPL-0727	MSF SIW: Scaffolding	Scaffolding erected by Alstom prevents energization of OCS. This caused a step to be Not Performed in 'DC Shop Distribution' system integration test. RES-16-4-MEAB-5P1166 Path to Closure: Once scaffolding is removed, re-run affected steps of 'DC Shop Distribution' system integration test.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	MSF	MSFPL-0732	2018-02-25_EER Raised Floor Ties	MSF- EER completion of the raised floor tiles.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00626	E592	Transition membrane is required at interface of adjoining surfaces. Membrane missing at base flashing and air barrier membrane along GL 'E' south roof (see photo 30)	EB Review 2019-03-14: No evidence or documentation provided to verify closure of this item. Item addressed.		Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00336	2017-12-06 / Inspection of St. Laurent Station	9.1 DWG. RES-42-5-SLSU-DRD-1225 Fans PF-SLSU-1 and PF-SLSU-2 are not centered in between ductwork therefore flex connections will not provide vibration isolation to rest of ductwork.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00460	T&C Test Light Rail Veh/CCTV Wayside Fail	T&C conducted Test Light Rail Vehicle /CCTV Wayside RES-16-8-0000-SIT-0P2222 between Feb 5th 2019 to March 14th 2019 T&C has failed this test due to the following: 1. Rideau East- one camera did had a 15 sec. delay displaying on the TOD. (this was not seen at subsequent stations). 2. Test case 9 Test partially BLA-W, BLA-E and TUN-W, TUN-E have been tested. Remaining station were not tested due to HSDR software limitations. SFT Rev 5.3.1.3. Test Case 10. Test partially TRE-W and HUR-W have been tested. Remaining station were not tested due to HSDR software limitations. SFT Rev 5.3.1			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00485	UOttawa SCADA-Station Remote Test case failures	T&C Conducted SCADA/Stations Remote for UOttawa Station RES-16-3-CMST-SIT-2R2145 conducted on April 4 2019. T&C could not complete Steps in Test case 1 and 2 as follows: Test Case 1 & 2 1. CMST-COILING-GRILLE-01-100-B-DR due to hardware issue, preventing operation from HMI 2. Portal Heating Run/Off alarm & Start Command is not implemented on SCADACOM			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor

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Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	Systems	SystemsPL-00169	ST.Laurent Camera view blocked	T&C conducted Test Procedure ETEL/EHFI/SCADA/CCTV RES-16-5-SLSU-SIT-3R012 for St. Laurent Station on April 3 2019 and noted that Test Case 3 and 6 Step 3 could not be concluded as the ETEL-ITEL-02-CAMS1 shows person, but ETEL view is blocked by ceiling grill frame.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00470	Hurdman Cameras angle low and view incorrect	T&C Conducted Test procedure ETEL/EHFI/SCADA/CCTV RES-16-3-HUST-SIT-3R2044 on April 3 2019, noted that Test case 1 and 4 Steps 9 & 10 could not be concluded: the camera angle on ETEL 5 CAM 20 angled to show elevator 1 & 2 , Etel barely in frame as a result person low Mid to floor would be only visible on camera. camera 22 view is of back of Etel Panel.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00498	LeesStation Etel CAM issues	T&C conducted ETEL/EHFI/SCADA/CCTV Test RES-16-3-LEST-SIT-2R2045 on April 5 2019, noted there are 3 deficiencies against Test Case 1&4 and the test will need to be re-conducted against the test steps affected. Test Case 1&4 1. Step 1 - CAM-11 does not show Etel-01 2. Step 12 CAM-48 view is blocked by pillar does not show ETEL-06 3. Step 14 CAM-44 does not show ETEL-07			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00463	T&C Operational Signage Test Zone 3 Fail	T&C Conducted Operational Signage Test RES-16-8-0000-SIT-3P4169 on Feb 21 2019. Test has failed for the following reasons: Test sht 3 HUR-W-1/HUR-E-1: wrong location as per discussion with OCT rep and city Test sht 4 HUR-W-0/HUR-E-0: wrong location as per discussion with OCT rep and city Test sht 7 6-10 Gate does not exist here Test sht 7 PHUR-W should be facing east side only (way of travel) Test sht 8 PTRE-W should be facing east side only (way of travel) Test sht 9 PTRE-W should be facing east side only (way of travel) Test sht 11 TRE-W-1/TRE-E-1/TE-W-0/TRE-E-0 wrong location as per discussion with OCT rep and city Test sht 15 11-15 Gate does not exist as built/redline OLR-12-0000-DRM-0005 Test sht 20 14/1 signage should be facing the fence and not Guideway. Test sht 22 14.1 signage not installed Test sht 24 1.2 Not installed Test sht 25 5 signs Not installed (14.1 signage) Test sht 26 1.2 Not installed (14.1 signage) Test sht 27 7.8 Not accessible, 105+815 signage Not installed, 105+830 Signage Not installed, 106+063 OCS Pole does not exist.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00487	SCADA/TPSS-7 Remote IAC Test not completed	T&C conducting Test Procedures SCADA/TPSS (Remote) RES-16-3-TP07-SIT-4R2106 on April 5 2019 noted The IAC SAT has not been conducted and T&C cannot conclude the testing of Test Case 3 DI-284.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00186	Parliament Etel/SCADA/CCTV CAM16 needs adjustment	T&C Conducting ETEL/EHFI/SCADA/CCTV Res-16-2-DESU-SIT-2R2048 on march 27 2019 Noted that Test Case 1 Step 7 could not be completed, As ETEL-04 CAM-16 does not look at ETEL.			Minor	Minor	Open		\$1,150.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00089	11-03-2018 / Inspection of East of Uott to Blair	3.5 A few concrete cable trench lids were seen damaged.			Minor	Minor	Open		\$1,000.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00089	2019-01-18 / Inspection of Lees Station	Touch up paint on walls and door& frame			Minor	Minor	Open		\$1,000.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00657	E643	9. Grout saw cut floor slab joint and paint. (See photo 15)			Minor	Minor	Open		\$800.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST											ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019		
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
Unifier	MSF	MSFPL-00683	E694	MSF _ West Elev- Flashing overlap 50mm min. not provided at transition of curtain wall and alum panel system flashing GL. Ag and Al. (See photo 56)			Minor	Minor	Open		\$800.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00091	11-03-2018 / Inspection of East of Lott. to Blair	3.7 Lots of unwanted debris such as ballast and rubbish were found stored inside cable trenches.			Minor	Minor	Open		\$1,000.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00083	2018-09-21 / Inspection of Pimisi Station	34.3 East Concourse- Space between utility cabinet and canted glass wall to be closed. (See photo 18)			Minor	Minor	Open		\$600.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00085	2018-09-21 / Inspection of Pimisi Station	34.5 East Concourse- Space between lantern and canted porcelain wall to be closed. (See photo 24)			Minor	Minor	Open		\$600.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00038	TPSS 9 Neutral Bond Train Run Test	Neutral Bond Test RES-16-0-0000-SIT-0P1029 Train Run Test, was not conducted as part of the initial test, as it will be deferred until early 2018. Pathway to closure: Conduct Train Run Test in 2018.			Pre-RSA	Pre-RSA	Open		\$800.00	RSA - TBD	PRE-RSA
Unifier	Systems	SystemsPL-00055	TPSS-07 Neutral Bond Train Run	Neutral Bond Test RES-16-0-0000-SIT-0P1029 Train Run Test, was not conducted as part of the Baseline initial test, as it will be deferred until early 2018. Pathway to closure: Conduct Train Run Test in 2018			Pre-RSA	Pre-RSA	Open		\$800.00	RSA - TBD	PRE-RSA
Unifier	Systems	SystemsPL-00076	CCTV City Audit - Camera 114 - OFI-SA-008-004	It was discussed during the Audit that the coverage of Camera 114 should be dropped down.			Minor	Minor	Open		\$800.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00074	CCTV City Audit - Camera 18-W - OFI-SA-008-002	Camera 18-W is identified as follows in the drawing RES-53-4-MEAB-DRD-0031 rev. 4: "Main Entrance Gate (driver)". During the demonstration, it appeared that this camera is at the right height to capture the driver's face while driving a car; it is unclear if the camera is positioned correctly to capture the driver's face when another type of vehicle (SUV, snow plow, etc.) is driven.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00127	Blair CBTC Rm: Labels on fan trays	During the Blair CBTC Room turnover inspection on 7 July 2017, the following was noted: EPC Rack - Rear: Labels required on wiring to upper & lower fan tray terminal blocks, 0 ALARM 0 Path to Closure: Complete Work Receive documentation on Unifier (startup or equivalent)			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00361	PL -STL West Tunnel Vent Rm Phoneline for HOL	During Turnover of the St Laurent West Tunnel Vent room #62-139 it was noted that there is still a temporary phone line in place to the HOL Meter. (Punch List Item - to be addressed at later stage) Path to Closure: Remove temp phone line from HOL Meter when no longer required. Inspect for completion and notify T&C.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00314	TPSS-04 Paint peeling off exterior	During turnover the turnover of TPSS 04 conducted on Jan 22, 2018 it was observed that the paint was peeling off the exterior wall of the TPSS Path to Closure: Have peeling fixed, by rework of the area. Provide evidence on Unifier, & Notify T&C when complete.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00222	2017-11-28 / Inspection of TPSS 09	1.2 A few CAT6 cables are not labeled. (See figure 3). 2. MSF- Air barrier membrane is missing at foundation walls along west elevation at GL. A4.1 between Ag & Al. Ensure 100 min transition membrane overlap is provided at adjoining surfaces. (See photo 36)			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00662	E649	4. MSF - West elev at 'Al' & 'A4.1' - Ensure zinc barrier membrane is installed tight to substrate and free of wrinkles, fish mouth, air pockets, etc (See photo 38)			Minor	Minor	Open		\$500.00	1/22/2020	Minor

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Unifier	Systems	SystemsPL-00360	PL-STL West Tunnel Vent Rm As built	During Turnover of the St Laurent West Tunnel Vent room #02-139 it was noted that the "as-built" was not available on Unifier (Purch List Item - being addressed) Path to Closure: As Built to be provided to Unifier and notify T&C.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00329	2018-03-07 / Inspection of MSF	13.1 Use of insulation tape to terminate spare cables and to leave them unterminated in the panel			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00089	10-25-2018 / Inspection of Bayview Station	Movement joint at transition of elevated platform bridge and concrete topping to be confirmed			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00153	10-25-2018 / Inspection of Bayview Station	Conduit chase incomplete			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00208	10-25-2018 / Inspection of Bayview Station	Roof parapet cap flashing incomplete			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00671	E669	Engineer stamp is required for toilet partitions shop drawings not submitted			Minor	Minor	Open		\$550.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00684	E695	MSF _ South Elev- Flashing overlap 50mm min. not provided at transition of curtain wall and alum panel system flashing CL Φ A1, Φ and Φ A3 (See photo 57)			Minor	Minor	Open		\$550.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00708	E1171	Concrete stair damaged in Light Maintenance Bay east end. (See photo 21,22)			Minor	Minor	Open		\$550.00	1/22/2020	Minor
Unifier	Tunny's Pasture Station	Tunny's Pasture StationPL-00206	2018-10-23 / Inspection of Tunny's Pasture Station	Frits on glass guard not installed			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	St Laurent Station	St Laurent StationPL-00471	2018-06-28 / Inspection of St. Laurent Station	Faint embedded angle for handrail posts.	Issue remains open on the latest EJV SVR please have EJV review on site and close on next SVR if rectification is acceptable. - QC TF proxy as Jawad Naim, Quality to close. Attached are CCL-0118, AAA purch list, photos		Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00095	11-03-2018 / Inspection of East of Uott. to Blair	3.11 On the Rideau River Bridge, EB at-grade cable trench was seen end capped with a very poor quality piece of wood that looked to be worn out.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Tunny's Pasture Station	Tunny's Pasture StationPL-00166	2018-10-23 / Inspection of Tunny's Pasture Station	Faint touchup on walls			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00685	E696	MSF _ West Elev- Cement faced insulation damaged at curb north of vestibule 01-001. (see photo 58)			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Tunny's Pasture Station	Tunny's Pasture StationPL-00277	2019-01-18 / Inspection of Tunny's Pasture	35.6 Type 5 guard at Stair A, Stair B, Stair C and Stair D not compliant to Detail 5/Arch 5153 (SI-1660)			Minor	Minor	Open		\$575.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00278	2019-01-18 / Inspection of Pimisi Station	Tactile (TWSI) strip incomplete			Minor	Minor	Open		\$560.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00287	2019-01-18 / Inspection of Pimisi Station	UC cabinet cover is missing			Minor	Minor	Open		\$550.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00086	2019-01-18 / Inspection of Lees Station	Touch up epoxy floor required, keep clean			Minor	Minor	Open		\$545.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00099	2019-01-18 / Inspection of Lees Station	Post applied frit required to be installed. Stair glass, and distraction pattern, bottom of windscreens			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00088	2019-01-18 / Inspection of Lees Station	Touch up paint on walls and door& frame			Minor	Minor	Open		\$500.00	1/22/2020	Minor

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Unifier	Guideway	GuidewayPL-00160	2018-11-02 / Inspection of Rideau River Bridge	12.5 Ballast aggregate on top of expansion joint seals.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	MSF Connector	MSF ConnectorPL-00050	2018-10-26 / Inspection of MSF Structure # 1 to 7	32.7 Base plate for roof structure undermined and crack at structure 4/5. Concrete previously repair in this area (photo 21).			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00283	2019-01-18 / Inspection of Pimisi Station	UC cabinets cover missing			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00454	08-08-2017 / Inspection of Zone 5 Near TPSS07	1.1 Hot and cold stops size. (details refer to MISCELLANEOUS/REMARKS/OBSERVATIONS Section Point 1)	Item transferred to Systems from Guideway (PL-00115).		Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00455	08-08-2017 / Inspection of Zone 5 Near TPSS07	1.2 BWA guide bar (details refer to MISCELLANEOUS/REMARKS/OBSERVATIONS Section Point 2)	EB Review 2019-02-11: Item transferred to systems from Guideway (PL-00116)		Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00500	T&C System Demo Test Fail	T&C Conducted System Demonstration Test RES-16-0-0000-SIT-0F30242 on April 12 2019, noted the following failures: 1. Test case 2 Step 14,15 Test case failed due to the vehicle gate not opening. 2. Test case 2 Step 19 CBTC protection removal not applicable because the CBTC button that is constantly pushed. 3. Test case 5 Test case has been suspended due to Signal Rail System, Zone Controllers crashed twice during test. Thales to provide comment.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00165	Zone 4 TSH-26 hardware issue	T&C Conducting Test Procedure RES-16-5-BLST-SIT-4R2153 on Feb 12 2019, in Zone 4 have noted that Test Case 2 could not be completed as TSH-26-Track Switch Heater has a hardware issue, preventing operation from HMI.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00482	Pimisi SCADA/Station Local test case step Failure	T&C conducting SCADA/Stations Local -Pimisi RES-16-1-LBST-SIT-1R2149 on April 4 2019, noted that test case 1 could not be completed due to failure of test step Test Case 1: ECB1107-ALMTRP due to hardware deficiency, the device could not be tested			Minor	Minor	Open		\$550.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00483	Pimisi SCADA/Station test case step Failure	T&C conducting SCADA/Stations Local -Pimisi RES-16-1-LBST-SIT-1R2163 on April 4 2019, noted that test case 1 could not be completed due to failure of test step Test Case 1: ECB1107-ALMTRP due to hardware deficiency, the device could not be tested			Minor	Minor	Open		\$550.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00387	11-03-2018 / Inspection of East of Uott. to Blair	3.3 Plasibeton cable trenches were not end capped properly. Only a piece of poor quality plywood was used as the end cap. The wood looks to be soon wearing out and fail to protect the cables inside the trench.			Minor	Minor	Open		\$500.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00101	11-04-2018 / Inspection of Tunney's to West of uOtt	4.6 On Bayview Road Overpass, the transition between the at-grade concrete cable trench and the Overpass Plasibeton trench: was not properly finished. Due to the difference in size of the cable trenches, a large gap was seen at the connection, which needs to be closed up to avoid animals/debris entry.			Minor	Minor	Open		\$400.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00573	MSF Emergency Elec RM 01-012 Wire not terminated	"During the T&C Turnover of 01-012 Emergency Electrical Room on Dec 7th 2017 it was noted there are wires (black/orange) over top the AC unit but it is unclear if the termination is complete Path to Closure. Complete termination if necessary and complete visual inspection"			Minor	Minor	Open		\$250.00	1/22/2020	Minor

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Unifier	MSF	MSFPL-00610	E582	Installation of roof deck was progressing during light snow and wet conditions found non compliant to project specification noted under 'Installation Conditions'. Manufacturer/third party is to review and report the findings. (See photo 25&26)			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	MSF	MSFPL-00660	E646	12. Fill gap at wall receptacle and paint. (See photo 13)			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00088	2018-09-21 / Inspection of Pimisi Station	34.8 Westbound Platform east end GL/FF4- Exposed plates and bolts to be concealed within continuous metal flashing. (See photo 20)			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00211	2018-10-23 / Inspection of Tunney's Pasture Station	Glass panel scratch near door/pin connection at bottom of stair			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00080	2019-01-18 / Inspection of Lees Station	Touch up paint on walls and door frame			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	Hurdman Station	Hurdman StationPL-00308	2019-01-18 / Inspection of Hurdman Station	46.1 Gypsum damaged above strobe light in Universal Washroom. (Photo 1)			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00283	2019-01-18 / Inspection of Tunney's Pasture	Entrance sign trim/closure incomplete above entrance doors 01-100A&B Refer to FDK-1741			Minor	Minor	Open		\$250.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00139	2018-10-23 / Inspection of Tunney's Pasture Station	Faint stiffener plates on north wall			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00285	2019-01-18 / Inspection of Tunney's Pasture	Closure between lantern and fare gate ceiling grille required.			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00287	2019-01-18 / Inspection of Tunney's Pasture	Post applied frit to be completed at stairs, and distraction pattern on windscreens			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00288	2019-01-18 / Inspection of Tunney's Pasture	Post applied frit to be completed at stairs, and distraction pattern on windscreens			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00289	2019-01-18 / Inspection of Tunney's Pasture	Post applied frit to be completed at stairs, and distraction pattern on windscreens			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00290	2019-01-18 / Inspection of Tunney's Pasture	Post applied frit to be completed at stairs, and distraction pattern on windscreens			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00102	11-04-2018 / Inspection of Tunney's to West of uOtt	4.7 At the East Portal, the transition between the East Portal ductbank and at-grade concrete cable trench was not properly finished. Due to the ductbank wall and cable trench height difference, a large gap was seen at the connection which needs to be closed up to avoid animal/debris entry.			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00119	Site Issue 620	TPSS#7 - Damaged retaining wall baskets			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00087	2019-01-18 / Inspection of Lees Station	Touch up epoxy floor required, keep clean			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00132	2018-07-20 / Inspection of Mann Avenue Bridge	12.1 Eva Foam appears to be missing from the gap between RSS wall and abutments (See Figures 3 & 12).			Minor	Minor	Open		\$200.00	1/22/2020	Minor

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Unifier	Lees Station	Lees StationPL-00082	2019-01-18 / Inspection of Lees Station	Make good conc floor, keep clean			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00085	2019-01-18 / Inspection of Lees Station	Touch up epoxy floor required, keep clean			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00104	2019-01-18 / Inspection of Lees Station	- Paint of stair guard and rail incomplete			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Lees Station	Lees StationPL-00084	2019-01-18 / Inspection of Lees Station	Make good conc floor, keep clean			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00284	2019-01-18 / Inspection of Tunney's Pasture	Closure between lantern and fare gate coiling grille required.			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00288	2019-01-18 / Inspection of Pimisi Station	Concrete topping disturbed near coiling grille			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Tunney's Pasture Station	Tunney's Pasture StationPL-00280	2019-01-18 / Inspection of Tunney's Pasture	Post applied frit to be completed at stairs, and distraction pattern on windscreens			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00341	2018-01-30 / Inspection of St. Laurent Station	10.2 We were informed that the utility cabinets were going to protrude from the wall instead of being recessed. The cabinet designs for the station should be run by EJV in order verify code conformances.			Minor	Minor	Open		\$225.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00023	2017-06-21 / Inspection of Seg.4, Belfast&Tremblay	33.3 MUP south of inspection has minor damage to asphalt. To be repaired. (see photo #7)			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00028	2017-06-21 / Inspection of Seg.4, Belfast&Tremblay	33.8 Bent Fence port on concrete barrier south of CNR Overpass. To be repaired.			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	St Laurent Station	St Laurent StationPL-00357	2018-06-28 / Inspection of St. Laurent Station	Install bird screen closure at perf acoustic ceilings.			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	St Laurent Station	St Laurent StationPL-00256	2018-06-28 / Inspection of St. Laurent Station	Birdscreen at ceiling typ.			Minor	Minor	Open		\$200.00	1/22/2020	Minor
Unifier	Systems	SystemsPL-00355	2018-03-05 / Inspection of St. Laurent Station	1.1 Silencers of Plenum Axial Fans 0001, 0002, 0003 were not installed in accordance to manufacturer's instruction. Each silencer contains 5 vertical baffles, and each one consists of 2 panels (top and bottom). The 2 panels are to be bolted by joining plates using bolts/washers and the factory self-clinching nuts. However, in many occurrences, the panels are oriented upside down such that the bottom clinching nuts on the top panel and the top clinching nuts on the bottom panel are not adjacent to each other to allow for the joining plates to be installed. Alltrades (TVS mechanical performer) performed the following rectification: installing plates on the outer flanges using rivets. These are to be verified by Zitron for their acceptance. Transitional duct pieces were removed to gain access to the inside of baffles.			Minor	Minor	Open		\$175.00	1/22/2020	Minor

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Unifier	Systems	SystemsPL-00488	SCADA-TPSS Yard Breaker issues against SIT Test	T&C Conducted SCADA-TPSS Yard SIT RES-16-4-TP09-SIT-5R2032 April 5 2019. Noted the following issues with the TPSS 1. Test case 2 Step 2DC Main breaker failed during the time of testing. 2. Test Case 3 AI 409-411 DC Main Incoming breaker energy (kWh/kvarh) and frequency failed due to reversal of points on SCADA (kWh in kvar section, Kvarh in frequency section, frequency is kWh section) 3. Test Case 3 DI-104,105 Aux. XFM Cell - loss of control power - blown fuse indication failed due to damaged breaker 4. Test Case 3 AI-426-477 AC rectifier Breaker 2 Energy (kWh/kvarh) failed. Did not move to simulated values. 5. Test case 3 DI-158,159 DC cathode breaker #2 DC reverse current (32) and fail (48) simulation points not available 6. Test Case DI-161 DC Cathode Breaker #2 loss of control power failed. 7. Test Case 3 DI-173, 175,176-177 DC Switchgear Gnd / 64-1 Relay fault, DC switchgear Gnd/ 64-2 Relay fault. DC switch gear frame fault (64-3) and DC switchgear Gnd/ 64-3 relay fault failed since all three Gnd faults are corrected together. 8. Test Case 3 SEQ 3 trouble could not actuate			Minor	Minor	Open		\$175.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00022	2017-06-21 / Inspection of Seg. 4, Belfast&Tremblay	33.2 Sidewalk on South-East corner is much wider than design. Longitudinal sawcuts required to prevent cracking on widths of 2.5m and above (refer to OPSS 351.07.11.03) (see photo #4)			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00165	10-25-2018 / Inspection of Pimisi Station	Conduit chase incomplete			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00286	2019-01-18 / Inspection of Pimisi Station	Closures within the Type C columns are being installed, but hanging loose cables are still present, they should be secured up within the flanges out of sight.			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00268	2018-11-15 / Inspection of Pimisi Station	15.3 Stairs ST-A-01 were not reviewed as they were covered in plywood and some lights were off.			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00124	2018-11-02 / Inspection of Hurdman Guideway	28.3 Grading at southeast quadrant and undermining northeast quadrant noted, including exposed subdrain			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Guideway	GuidewayPL-00027	2017-06-21 / Inspection of Seg. 4, Belfast&Tremblay	33.7 Electrical handhole partially buried from MUP widening. Confirm that it's accessible. (see photo #18)			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Bayview Station	Bayview StationPL-00169	10-25-2018 / Inspection of Bayview Station	Metal closure is required to conceal strobe light connection/conduit at Type C column			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	St Laurent Station	St Laurent StationPL-00458	2018-06-28 / Inspection of St. Laurent Station	Floor access panel to be painted to match epoxy flooring.			minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00269	2018-11-15 / Inspection of Turney's Pasture	13.1 Concourse levels at Faregates and on top of stairs low where F4 has been removed. Additional type F2 fixtures are proposed. Please refer to markups			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Pimisi Station	Pimisi StationPL-00274	2017-07-25 - Inspection of Pimisi	17.1 - Trench drain at Stair A lower concourse is to align with stair treads. (See photo 20)			Minor	Minor	Open		\$100.00	1/22/2020	Minor
Unifier	Turney's Pasture Station	Turney's Pasture StationPL-00286	2019-01-18 / Inspection of Turney's Pasture	Closure required for future retail rough-in			Minor	Minor	Open		\$50.00	1/22/2020	Minor

OTTAWA LRT - PROJECT - MINOR DEFICIENCIES LIST										ISSUED BY THE INDEPENDENT CERTIFIER - JULY 26, 2019			
Deficiency Information						Independent Certifier Pricing and Comments							
Source	Project Name	Source ID	Title	Description	OLRT Comments	City Comments	Criticality OLRT	Criticality City	Closure OLRT	Closure City	IC Cost to Complete	Required Completion Date	IC Comments
TOTAL ESTIMATE TO COMPLETE											\$8,818,243.00		