

30 August 2019

City of Ottawa  
 O-Train Construction  
 110 Laurier Avenue West,  
 Ottawa, ON K1P 1J1  
 Mail Code: 23-10

Our Reference:	RTG-OTT-01-0-LET-0877
OLRT Reference:	OLR-RTG-01-0-LET-1486
Project Agreement Reference:	Section 26.2(b)(iii)

**Attention:** Michael Morgan  
 Director, O-Train Construction Office

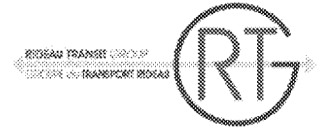
**Subject:** Revenue Service Availability Notice

Dear Mr. Morgan:

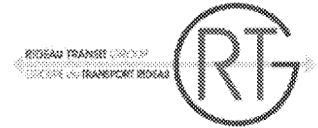
Pursuant to Section 26.2(b)(iii) of the Project Agreement, this letter, along with the attached correspondence from Mr. Matthew Slade, OLRT Project Director, serves as written notice to the City of Ottawa that Project Co. is of the opinion that the requirements for Revenue Service Availability, for the Stage 1 Confederation Line, have been satisfied as of 30 August 2019.

More specifically, the following items have been addressed:

1. The Final Engineering Safety Assurance Certificate has been posted to e-Builder.
2. Vehicles:
  - a. *Vehicles Cab Doors* – Temporary cab doors are being installed to replace those currently cracked. Any further breakages will be replaced on an as and when basis as agreed with the City.
  - b. *Vehicle Passenger Doors* – The door software on the vehicles has been regressed to v1.2 which is SIL certified and meets the requirements for passenger service. Software v1.3 will be released as soon as it is SIL certified, as agreed with the City.
  - c. *Vehicle Bill of Sale* – All thirty-four (34) Vehicle Bills of Sale have been posted to e-Builder.



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3. Transit Operation Control Centre/System Control:
    - a. The remaining works to the FDAS control panel and telephone are ongoing, these do not impact the operability of the system. Once testing is completed, the Controllers will receive the final element of the training. It was agreed, with the City, that this is not required for RSAD.
  4. Stations:
    - a. Elevators and Escalators licences have been provided, and RTM has been running and maintaining these assets throughout Trial Running. Bilingual audio announcement of elevators will be in place prior to passenger service.
  5. Functionality of the PACIS software:
    - a. Plan A: PACIS software, which includes the passenger platform door view in the driver cabs, will be functioning fleet wide and will begin installation in the vehicles week commencing September 2<sup>nd</sup>. Plan A will be fully operational with the exception of one temporary diversion restriction that the Parties agree will not affect RSA.
    - b. Plan B: In the event that Plan A is not fully functional before 14 September (Passenger Service Date), RTG will implement a “Plan B”, which has been developed in cooperation with the City, and the testing of which will take place in the presence of the Parties.
    - c. Plan C: To ensure double redundancy, a Plan C has been developed and shared with the City.
  6. PRE-Revenue Service List:
    - a. RTG commits to completion of the agreed pre-Revenue Service items based on the latest list issued 26 August 2019 (“*Confederation Line 20190826 RSA Action Item Tracking OTC.RTG.review*”)
  7. Alstom Fleet Certificate:
    - a. Alstom letter ALS-OLRT-03122 (provided to the City) has been issued to permit use of the trains up to revenue service. The final safety certification will be issued upon the delivery of final subsystem software or the “Plan” implement in Section 5 above.
  8. Term Sheet:
    - a. The Parties will have executed a “Term Sheet regarding Revenue Service Availability” dated 30 August 2019 (“Term Sheet”) to document the agreement between the Rideau Transit Group General Partnership (“RTG”) and the City of Ottawa (the “City”) with respect to the achievement of Revenue Service Availability



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in relation to the Project Agreement dated February 12, 2013 between the City and RTG.

We trust that the above satisfies the requirements for Revenue Service Availability and we look forward to the official launch of the Confederation Line on Saturday September 14, 2019.

Should you have any questions or concerns, or require additional information please do not hesitate to contact us.

Kind regards,

**Peter Lauch, P. Eng.**

CEO

*Rideau Transit Group General Partnership*

cc.: Gary Craig, Claudio Colaiacovo, Richard Holder, Lorne Gray – OTC  
Monica Sechiari, Kyle Campbell – ALTUS  
Matthew Slade, Bill McCormick, William Coleman, Tyler Miehe, Gonzalo Gomeza, Chris Woodmass – OLRT-C  
Maxime Olivier – RTG



OLRT Constructors  
7 Bayview Road  
Ottawa, Ontario

Rideau Transit Group General Partnership  
1545 Carling Avenue, Suite 406  
Ottawa, ON  
K1Z 8P9

August 30, 2019  
Submitted Electronically

Our Ref. :	OLR-RTG-01-0-LET-1486
Your Ref. :	
OTC Ref.:	
Project Agreement Ref.	Article 26.2 (b) (iii) Revenue Service Availability Notice

Attention: Peter Lauch, CEO

Subject: Revenue Service Availability

Dear Mr. Lauch,

This letter serves as notice to the Rideau Transit Group General Partnership (RTG) that the OLRT-C is of the opinion that the requirements for Revenue Service Availability (RSA) as identified under Article 26.2 (b) (iii), have been satisfied as of 30<sup>th</sup> August 2019.

More specifically, the following items are addressed:

1. The Final Engineering Safety Assurance Certificate has been provided.
2. Vehicles:
  - a. Vehicles Cab Doors – Temporary cab doors are being installed to replace those currently cracked or inoperable. Any further breakages will be replaced on an as and when basis as agreed with the City.
  - b. Vehicle Passenger Doors – The door software on the vehicles has been regressed to v1.2 which is SIL certified and meets the requirements for passenger service. Software v1.3 will be released as soon as it is SIL certified, as agreed with the City.



- c. Missions and Platform Edge Cameras – the final solution is being implemented currently, should this not perform as designed or as required then a mitigation plan will be implemented, as agreed with the City.
3. Transit Operation Control Centre/System Control
    - a. The remaining works to the FDAS control panel and telephone are ongoing, these do not impact the operability of the system. Once installation is completed, the Controllers will receive the final element of the training. It was agreed, with the City, that this is not required for RSAD.
  4. Stations:
    - a. Elevators and Escalators licences have been provided and RTM has been running and maintaining these assets throughout Trial Running.

Pursuant to Article 26.2 (b) of the Project Agreement, we request that the RTG notify the Independent Certifier and the City Representative of this notice.

Sincerely,

Matthew Slade  
Project Director

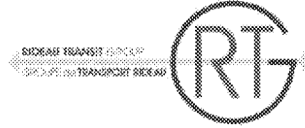
cc. G. Gomeza

B. McCormick

C. Woodmass

T. Miehle

B. Coleman



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## ***Proof of Substantial Completion of the Civic Works***

*Supports the achievement of item (g) as defined in Schedule 1, 1,559*



Street Smart. World Wise.

July 30, 2019

Our Ref: 100224

City of Ottawa  
Transportation Services Department  
O-Train Construction  
110 Laurier Avenue West  
Ottawa, ON, K1P 1J1

Rideau Transit Group Partnership  
Confederation Line  
1545 Carling Avenue, Suite 406  
Ottawa, ON K1Z 8P9

**Attn: Michael Morgan** (City Representative)

**Attn: Peter Lauch** (Project Co Representative)

Dear Sirs,

**Re: Substantial Completion of the Civic Works**

In accordance with Schedule 1, 1.622 "Substantial Completion of the Civic Works", the Independent Certifier can confirm that Substantial Completion of the Civic Works **has been achieved** by Project Co with the following Civic Works Completion Dates:

Queen Street Work – Civic Works Completion Date – June 20, 2019

Albert Street Work – Civic Works Completion Date – June 20, 2019

CSST Work – Civic Works Completion Date – June 20, 2019

Rock Stabilization Work – Civic Works Completion Date – June 20, 2019

Utilities Work – Civic Works Completion Date – June 20, 2019

Please note that the Substantial Completion of Coventry Bridge Work should be certified as complete by the Consultant.

Please find attached Project Co's submitted copies of all Form 9 Certificates of Substantial Performance pursuant to the CLA for each Civic Works project and copies of proof of publication in the Daily Commercial News in accordance with the CLA.

Please see the attached supporting documentation provided by Project Co.

The City, Project Co and the IC had agreed on a process and necessary supporting documentation to certify Substantial Completion of the Civic Works and the IC is not aware of any outstanding issues relating to the Civic Works, from either PA Party.



Please note that this letter certifying Substantial Completion of the Civic Works should be submitted with Project Co's Revenue Service Availability Notice, pursuant to Section 26.2 (b) (iii) to support achievement of item (g) as defined in Schedule 1, 1,559 "Revenue Service Availability".

Yours truly,

**ALTUS GROUP LIMITED**

A handwritten signature in cursive script, appearing to read "M Sechiari".

Per: Monica Sechiari, P.Eng  
Associate Director, IC Services

Cc: Lorne Gray, Contract Manager, O-Train Construction