

August 23, 2019

Altus Ref: 100224

City of Ottawa 180 Elgin Street, Suite 601 Ottawa, ON, K2P 2P7 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: The Confederation Line Project (Ottawa Light Rail Transit Project)

Validation of Trial Running Acceptance

Pursuant to Schedule 14, Commissioning, Section 1.5 (e), the Integrated Revenue Service Availability Testing/Trial Running was conducted by Project Co from July 29, 2019 to August 22, 2019. Trial Running was reviewed on a day by day basis by the Trial Running Review Team (TRRT) in accordance with the Trial Running Test Procedure (submitted as a final document on July 29, 2019). The Trial Running results were reviewed by the TRRT on a daily basis with the preparation of the Trial Running Scorecard and the results agreed and signed off by the members of the TRRT. The Independent Certifier would make a final decision on the results of the day and determine whether the day was a Pass. Repeat or Restart, in accordance with the criteria in the Trial Running Test Procedure.

Pursuant to Schedule 14, Commissioning, Section 1.5 (e) (iii) (B), based on the attached Trial Running Scorecards for 12 consecutive days with the result of Pass, this letter shall serve as validation of the Trial Running Acceptance.

We trust the above and enclosed documentation is satisfactory. Please contact the undersigned with any clarifications.

Yours truly,

ALTUS GROUP LIMITED

PP

Per

Monica Sechiari, P. Eng

Associate Director, IC Services

Intertuck

Per:

Jennifer Fitzpatrick, PQS Senior Cost Consultant

Encl.



Appendix A – TRRT Conclusion of Trial Running Statement

TRRT Conclusion of Trial Running Statement

Pursuant to Schedule 14, Commissioning, Section 1.5 (e), the Integrated Revenue Service Availability Testing/Trial Running was conducted July 29, 2019 to August 22, 2019. Trial Running was reviewed on a day by day basis by the Trial Running Review Team (TRRT). Testing was carried out in accordance with the Trial Running Test Procedure by exercising the Confederation Line system at full functionality.

As peak service performance was achieved over several days, the TRRT agreed to reduce the peak service fleet size to 13 from 15 trains to accommodate a revised Service Plan as agreed to by the Parties. Additionally the TRRT agreed to apply the Trial Running criteria as stated in RFI-O-266. As such, it was agreed that the Average Aggregate Vehicle Kilometer Ratio (AAVKR), would result in a "Pass" with the achievement of an AAVKR of 96% or higher over 9 of 12 days (evaluated over a 12-day moving window of "passing" days) and no three consecutive days below 94%.

Based on the above, and the attached Trial Running Scorecards, the TRRT has formed the opinion that the Trial Running requirements of the Project Agreement have been satisfied.

Date: 23rd August 2019

Name	Company	Signature
Troy Charle	٥٥٦-	lys
LARRY GAUL	OCT	Loy Gave
RICHARD HOLDER	074	Wolfers
Jacob Lacob	RTM	doub
Kyle Campbell	Altus Gvoup	Phylandell
PETEZ LAUCH	P76	Iller)
MATTHEW SLADE	CLRIC	Biele
istlian Alluan	GLRTC	Aller.
	<u></u>	



Appendix B – Trial Running Scorecards and Summary



Trial Runn	ing Scorecard (Final Version Rev 06)
Dat	e: Monday, July 29th, 2019
Trial Running Day #	: 1

Comments and IMIRS Calculations
Summary

Pass

Operational

Safety

Travel Time (ATO Mode) 23 mins

Fail 26:00:00

Weekday Headway 3 out of 4 required for pass

Fail

Pass

Pass

Fail

Fail

1 Morning westbound – Arrivals at Lees

Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains

Pass Ratio = 33 Trains 94%

Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon

Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains

Pass Ratio = 42 Trains 93%

	Scheduled No. Trains	Actual No. Trains	Ratio %
	35	36	102.9%
	35	35	100.0%
	45	34	75.6%
	45	31	68.9%

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

Pass Ratio = 33 Trains 94%

Pass Pass

> Fail Fail

/ehicle Availability	Aggregate Vehicle Km Av	ailability Ratio (AVKR)
		Ratio
AVKR (r	ninimum daily average)	90%
AVKR (a	verage over 12 days)	98%

	AVKR Daily		
	Scheduled KM	Actual KM	AVKR
************		, , , , , , , , , , , , , , , , , , , ,	Ratio %
	12,217	10,450	85.5%
	12,217	10,471	85.7%

Station		Ratio
	Availability	99.7%
Customer Syst	tems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

	ASAX Daily		
	Scheduled	Actual Hours	ASAX Ratio
19900000000000000000000000000000000000	Service Hours	Actual Hours	%
Fail	269.53	258.93	96.1%
	***************************************	***************************************	***************************************
Pass	205	205	100.0%
Pass	269.53	269.53	100.0%
Fail	269.53	264.63	98.2%
Pass	269.53	269.53	100.0%
Pass	269.53	269.53	100.0%
Fail	269.53	122.63	45.5%
Pass	143.5	143.5	100.0%
Pass	269.53	269.53	100.0%
Pass	269.53	269.53	100.0%
Fall	269.53	256.23	95.1%

Name	Company	Signature
Peter Cauch	RTG	FELLA
Clautt-	RTM	dail
Troy Clarke	OC Transpo	
LARRY GAUL	en en	1X0-1 Port
WILLIAM ALMAN	comer orde.	
RICHARD HOLDER	OT C	alle
Kyle Campbell	Altus Group	740 /m/1401
Samantha Burke	orc	S.S. K.

Average

Ratio %

68.6%

71.4%

82.2%

84.4%

23:01:50



Trial Runnin	g Scorecard (Final Version Rev 06)
Date:	Tuesday, July 30th, 2019
Trial Running Day #:	1

Overall Pass/Repeat/Restart

Repeat

Actual No.

Trains

24

25

37

38

Safety

Operational

Travel Time (ATO Mode) 23 mins

AM PM 23:00:00 23:03:00

Scheduled No.

Trains

35

35

45

45

Weekday Headway 3 out of 4 required for pass

Fail

Fail

Fall

Fail

Fail

Pass

1 Morning westbound – Arrivals at Lees

Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

2 Morning eastbound - Arrivals at Pimisi

Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau

Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

4 Afternoon eastbound - Arrivals at Lyon

Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains

Pass Ratio = 42 Trains 93%

Fail Pass

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)
Ratio

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

Г	Fail	٦
*****	N/A	***

	Scheduled KM	Actual KM	AVKR	
		ACCORD 10191	Ratio %	
	12,217	10,564	86.5%	
	N/A	N/A	N/A	

Station		Ratio
	Availability	99.7%
Customer Syste	ms & Other Major System	Ratio
	Traction Power	99.5%
1	Passenger Announcement System	99.5%
ļ	Passenger Information System	99.5%
1	Fare Control Gates	99.5%
•	Ticket Vending Machines	99.5%
•	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
:	Station Lighting	99.5%
1	P25 Radio	99.5%
1	Fire Monitoring & Suppression	99.5%

		ASAX Daily	***************************************
	Scheduled	Actual Hours	ASAX Ratio
	Service Hours	Actual Hours	%
Fail	269.53	243.35	90%
Pass	214.2	214.2	100.0%
Fail	269.53	233.83	86.8%
Fail	269.53	249.03	92.4%
Pass	269.53	269.53	100.0%
Pass	269.53	269.53	100.0%
Fail	269.53	106.63	39.6%
Pass	143.5	143.5	100.0%
Pass	269.53	269.53	100.0%
Pass	269.53	269.53	100.0%
Fail	269.53	248.73	92.3%

, Name	Company	∬ Signature
claude Lacob	RTM	(Yours)
MATTHEW SLADE	OLRTC	Medle
Kyle Campbell	Altus Growe	The Smittell
LARRY GAUL	<u>act</u>	Day Garel
Troy Charles	007	6-1-44.
WILLIAM ALMAN	OLRTC	- Miller
PETER CAULY	P76	A A A A A A A A A A A A A A A A A A A
RICHARD MOLDER	OTC	Mile



Trial Ru	unning Scorecard (Rev 07)
Date:	Wednesday, July 31st, 2019
Trial Running Day#:	3

Restart

Actual No.

Trains

25

23

25

25

AVKR Daily

Actual KM

9,027 N/A

Ratio %

71.4%

65.7%

55.6%

55.6%

AVKR

Ratio % 73.9%

N/A

Safety

PASS

Operational

Travel Time (ATO Mode) 23 mins

AM PM Average 00:27:08 00:22:50 0:24:59

Scheduled No.

Trains

35

35

45

45

Scheduled KM

Weekday Headway 3 out of 4 required for pass

	-	_	-			E

1 Morning westbound – Arrivals at Lees Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

2 Morning eastbound - Arrivals at Pimisi Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains Pass Ratio = 33 Trains 94%

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

Maintenance Delivery

Demonstration of IMIRS process

greene		**********	*******
m			
	- 74,6		
£			3

Vehicle Availability	Aggregate Vehicle Km A	(AVKR)
		Ratio
AVKR (m	ninimum daily average)	90%
AV/KB:/a	varaga ovar 12 days	0.004

Maintenance practices

AVKR (minimum daily average)	90%
AVKR (average over 12 days)	98%

12,217
N/A
 ·

Schedule

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

		ASAX Daily	***************************************
	Scheduled Service Hours	Actual Hours	ASAX Ratio %
	269.62	256.62	95%
	214.2	214.2	100.0%
	269.62	186.32	69.1%
	269.62	166.61	61.8%
155	269.62	269.62	100.0%
155	269.62	269.62	100.0%
	269.62	0	0.0%
	269.62	269.62	100.0%
155	269.62	269.62	100.0%
355	269.62	269.62	100.0%
	269.62	249.12	92.4%

Name	Company	Signature
Claude Lands	RITE	(Yant)
MATHON SLADE	OLRIC	Mesael
PETER LAUCH	RTG	Alle
RICHARD MOLDER	OTC	Relley
Troy Chatr	OCT	124
WILL ALMAN	OLRTC.	
Kyle Compboll	Altus	Me Verfeel
•		



Trial Running Scorecard (Rev 07) Date: Thursday 1st August 2019 Trial Running Day #: PAUSED

Overall Pass/Repeat/Restart

PAUSED

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

PASS

Time 10:00am - 12:00 noon 00:22:23

Actual No.

Trains

Ratio %

N/A

N/A

N/A

N/A

N/A

PASS

* Weekend timetable not applicable

Scheduled No.

Trains

35

35

45

45

1 Morning westbound – Arrivals at Lees
Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains
Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi

Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

Vehicle Availability

Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio 90%

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

17.45	
N/A	ľ

***************************************	AVKR Daily	····
Scheduled KM	Actual KM	AVKR
ocitedated ivivi	ricedar Nivi	Ratio %
8,146	7,620	93.5%

Station		Ratio
	Availability	99.7%
Customer Syst	ems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

		ASAX Daily	
	Scheduled Service Hours	Actual Hours	ASAX Ratio %
	229.06	229.06	100%
	167.8	167.8	100.0%
	229.06	151.56	66.2%
	229.06	123,56	53.9%
	229.06	229.06	100.0%
17455	229.06	229.06	100.0%
	229.06	0	0.0%
100	119	119	100.0%
14.5	229.06	229.06	100.0%
100	229.06	229.06	100.0%
14.55	229.06	229.06	100.0%
	,	**************************************	***************************************

Name	Company	Signature
MATTHEW SLADE	OLRTC	MXLLLL
LARAY GAUL	OCT	Say Garl
Treez Charty	cott	72
PETER LAVEH	1276	Allan
Claude Lacib	RIM	1 (lant)
RICHARD HOLDER	OTC	Mile
Kyle Campbell	Altas	The luber
, i,		



Trial Running Scorecard (Rev 07) Date: Friday, August 2nd, 2019 Trial Running Day #:

Overall Pass/Repeat/Restart

Safety			

Operational

Travel Time (ATO Mode) 23 mins

PASS

Pass

Scheduled No.

Trains

35

35

45

45

AM Average 0:22:33

Actual No.

Trains

AVKR Daily

Ratio %

0.0%

0.0%

0.0%

0.0%

AVKR

Ratio %

95.6%

Weekday Headway 3 out of 4 required for pass

1 Morning westbound - Arrivals at Lees Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

2 Morning eastbound - Arrivals at Pimisi Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains Pass Ratio = 33 Trains 94%

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices Demonstration of IMIRS process

PASS PASS

Vehicle Availability

Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

	Scheduled KM	Actual KM
	8,146	7,785
N/A		***************************************

Station		Ratio
	Availability	99.7%
Customer Syst	ems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

		ASAX Daily	
	Scheduled Service Hours	Actual Hours	ASAX Ratio %
Pass	228.9	228.90	100%
TASS	167.8	167.8	100.0%
	228.9	174.51	76.2%
	228.9	137.32	60.0%
1255	228.9	228.9	100.0%
1000	228.9	228.9	100.0%
	228.9	0	0.0%
	108.5	108.5	100.0%
	228.9	228.9	100.0%
	228.9	228.9	100.0%
	228.9	228.9	100.0%

Name	Company	/ /Signature
MATTHEW SLADE	OLRIC	Ilball
Trey Charton		
LARRY GAUC	0 CT	Jig Court
PETER LAUCH	P74	4200
Kyle Compbell	Alfus Group	Il Miller
Tom PATE	8TM	Thomas Fato
RICHARD HOLDER	076	fulle.



Trial Ru	inning Scorecard (Rev 07)
Date:	Saturday, August 3rd, 2019
Trial Running Day#:	1

Overall	Pass	/Re	peat	/Resta	31

	** Comederation	Trial Running	Day # : Saturday, August 3rd, 2	018		PASS	
Safety				PASS	***************************************		
Operational					AM	PM	Average
	Travel Time (ATO Mode)) 23 mins			7	7 144	22:51:00
	<u>Weekday</u> Headway 3 o	out of 4 requir	ed for pass				***************************************
					Scheduled No.	Actual No.	Ratio %
i	Morning westbound – Ari	rrivals at Lage		***************************************	Trains	Trains	110070
~	Between 06:45:00 and 08 Pass Ratio = 33 Trains 949	8:45:00 ave	rage headway 3 min 25s = 35 Trains		35		0.0%
2	Morning eastbound – Arriv Between 06:45:00 and 08 Pass Ratio = 33 Trains 949	8:45:00 ave	rage headway 3 min 25s 94% = 33 Trains		35		0.0%
3	Afternoon westbound – Ar		NI I	200000000000000000000000000000000000000			
	Between 15:00:00 and 18 Pass Ratio = 42 Trains 939	8:00:00 ave	rage headway 4 min 00s = 45 Trains		45		0.0%
4	Afternoon eastbound – Art Between 15:00:00 and 18 Pass Ratio = 42 Trains 939	8:00:00 ave	rage headway 4 min 00s = 45 Trains		45		0.0%
Maintenance I				PASS	Will be	ke	100
						AVVD Daily	
Vehicle Availa	bility Aggregate Vel	hicle Km Avail	ability Ratio (AVKR)			AVKR Daily	AVKR
	,		Ratio		Scheduled KM	Actual KM	Ratio %
	AVKR (minimum daily ave		90%		10,802	10,130	93.8%
	AVKR (average over 12 da	ays)	98%	000000000000000000000000000000000000000	10,4-11		#DIV/0!
						ASAX Daily	
** ** * * * * * * * * * * * * * * * *					Scheduled	Actual Hours	ASAX Ratio
Station	Availability	h	99.7%		Service Hours 266.27	266.27	% 100%
	-				~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	20070
customer syst	ems & Other Major Syster Traction Power	ım ı	Ratio 99.5%		217.8	217.8	100.0%
	Passenger Announcemen	nt System	99.5%	1455	266.27	266.27	100.0%
	Passenger Information Sy	•	99.5%		266.27	266.27	100.0%
	Fare Control Gates	-	99.5%	17355	266.27	266.27	100.0%
	Ticket Vending Machines	i	99.5%	17755	266.27	266.27	100.0%
	CCTV Cameras		99.5%		266.27	262.6	98.6%
	Tunnel Ventilation System	m	99.5%		143.5	143.5	100.0%
	Station Lighting		99.5%		266.27	266.27	100.0%
	P25 Radio		99.5%	17.5	266.27	266.27	100.0%
	Fire Monitoring & Suppre	ession	99.5%	PASS	266.27	266.27	100.0%

***************************************	Name		Company		/	Signature	
MAT	THOW SLAD	Z -	<u>arrc</u>				
LARA	1 GAUL		007		<u> </u>	Car	
	Tax (L				//		

Notes:

1) Vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review

Guno

- 2) Ticket Vending Machines to be reviewed for power supplies and installtion completeness
- 3) The two 'fail' status above relate to the quality of work orders in regards to the descriptions for close out and timeliness for closeout



Trial Run	ning Scorecard (Rev 07)
Date:	Sunday, August 4th, 2019
Trial Running Day #:	2

Overall	Pass	/Rep	eat/R	estari

PASS

Actual No.

Trains

Ratio %

O	er:	atio	ona	ı

Safety

Travel Time (ATO Mode) 23 mins

 AM
 PM
 Average

 PASS
 22:36:00

Scheduled No.

Trains

PASS

Weekday Headway 3 out of 4 required for pass

1 Morning westbound – Arrivals at Lees
Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains
Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi

Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Maintenance Delivery

Vehicle Availability

Maintenance practices

Demonstration of IMIRS process

Aggregate Vehicle Km Availability Ratio (AVKR)

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

	35	0.0%
	35	0.0%
***************************************	45	0.0%
	.45	0.0%
	ed B 1	 IŊ.

	AVKR Daily		
Scheduled KM	Actual KM	AVKR	
8,146	7,771	Ratio % 95:4%	99.49
7,810-00		#DIV/0!	

ASAX Daily

Station		Ratio
Jialiun	Availability	99.7%
Customer Syst	ems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

	Scheduled	Actual Hours	ASAX Ratio
	Service Hours	Accuainous	%
	228.57	228.57	100%
	*************************************	·	
	167.8	167.8	100.0%
	228.57	228.57	100.0%
	228.57	222.07	97.2%
	228.57	228.57	100.0%
PASS	228.57	228.57	100.0%
	228.57	213.07	93.2%
	108.5	108.5	100.0%
	228.57	228.57	100.0%
	228.57	228.57	100.0%
PASS	228.57	228.57	100.0%
	······································	······································	***************************************

Name	Company	Śignatyre /_
MATTHEN SLADE	OLRIC	Model
LARRY GASC	0<7	Jang Gal
Tray Charter	<u>027</u>	4424
Gairle Jacob	RTH	(Land)
TETER LAVER	RTG	Allen
RICHARY HOLPER	OTC	will.
the Compbell	Altas Group	The 1 skyloul
WILL KEINEN	arte	Aller.

- 1) Vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review
- 2) Ticket Vending Machines to be reviewed for power supplies and installtion completeness
- 3) The two 'fail' status above relate to 1 x PID at Blair, where there are 5 others. 7 CCTV at Bayview that do are not viewable at TOCC, but ARE viewable at YCC and BCC



Trial Ru	inning Scorecard (Rev 07)
Date:	MONDAY, August 5th, 2019
Trial Running Day # :	3

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

PASS

AM PM Average
PASS 22:30:00 22:43:00 22:36:30

Scheduled No.

Trains

Weekday Headway 3 out of 4 required for pass

PASS

1 Morning westbound – Arrivals at Lees
Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains
Pass Ratio = 33 Trains 94%

PASS PASS

35 36 102.9% 35 35 100.0%

Actual No.

Trains

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains
Pass Ratio = 33 Trains 94%

PASS

45 44 97.8%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

45 44 97.8%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%



12 -

Ratio %

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)
Ratio

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

	AVKK Daily		J WC
Scheduled KM	Actual KM	AVKR	
		Ratio %	
12,217	11,596	94.9%	95.22
12,178		#DIV/0!	1

ASAX Daily

Station		Ratio
	Availability	99.7%
Customer S	ystems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

	Scheduled	Actual Hours	ASAX Ratio	
TATE TO THE TATE OF THE TATE O	Service Hours	Mutual Hould	%	
	269.73	269.73	100%	
	**************************************		***************************************	
	***************************************	***************************************	<u></u>	
PASS	214.2	214.2	100.0%	
PASS.	269.73	269.73	100.0%	
	269.73	249.23	92.4%	
PASS	269.73	269.73	100.0%	
	269.73	269.73	100.0%	
	269.73	249.03	92.3%	
10.55	143.5	143.5	100.0%	
11.55	269.73	269.73	100.0%	
	269.73	269.73	100.0%	
PASS	269.73	269.73	100.0%	

Name	Company	Signature
MATTHEW SLADE	OLRIC	MYCCK
LARRY GAUL	<u> 0c7</u>	Say 6ac
Toy Charter	JCT	14-1
daude Jacob	12-17-21	Glant
PETER LAUCH	PTG '	A Die
RICHARD MOLDER	0T C	Tillen
Kyle Campbell	Altus Group	What Nell
WILL ALLIN	OLRTE.	- HA HUU.

1) Vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review

2) Ticket Vending Machines to be reviewed for power supplies and installtion completeness

3) The two 'fail' status above relate to 1 x PID at Blair, where there are 5 others. 7 CCTV at Bayview that do are not viewable at TOCC, but ARE viewable at YCC and BCC

4) AVKR 12 day Average target is currently under review



Trial Running Scorecard (Rev 07) Date: TUESDAY, August 6th, 2019 Trial Running Day #:

Overall Pass/Repeat/Restart

PASS

Actual No.

Trains

Average

22:44:00

Ratio %

91.34

#DIV/0!

Safety

Operational

Travel Time (ATO Mode) 23 mins

AM PM 22:48:00 PASS 22:40:00

Scheduled No.

Trains

Weekday Headway 3 out of 4 required for pass

PASS

PAS

PAS

PAS

PASS

1 Morning westbound - Arrivals at Lees Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

2 Morning eastbound - Arrivals at Pimisi Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices Demonstration of IMIRS process

Pass Ratio = 33 Trains 94%

35	34	97.1%
35	17	48.6%
45	44	97.8%
45	44	97.8%
10		

AVKR Daily AVKR Scheduled KM Actual KM Ratio % 91.1% 12,217.00 11,124

PASS

12,178

oility Aggregate Vehicle	Aggregate Vehicle Km Availability Ratio (AVKR)	
	Ratio	
AVKR (minimum daily average	≘) 90%	
AVKR (average over 12 days)	98%	
	Ratio	
Availability	99.7%	
	AVKR (minimum daily average AVKR (average over 12 days)	AVKR (minimum daily average) 90% AVKR (average over 12 days) 98% Ratio

Station		Ratio
***************************************	Availability	99.7%
Customer Syst	ems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

Scheduled Actual Hours %	io
PASS 270.63 270.63 100%	

PASS 214.2 214.2 100.0%	 ł
PASS 270.63 270.63 100.0%	
270.63 262.56 97.0%	
PASS 270.63 270.63 100.0%	J-
PASS 270.63 270.63 100.0%	,
270.63 262.46 97.0%	
PASS 143.5 143.5 100.0%	
PASS 270.63 270.63 100.0%	 i:
PASS 270.63 270.63 100.0%	r.
PASS 270.63 270.63 100.0%	i

Name	Company	Şignature /
MATTHOU SLADE	OLRTC	MESCUL
LARRY GAUL	007	Jay Gand
Troy Charter		
RICHARD MODER	OTC	hills
Cloude Lasso	RTH	(lain)
Kyle Campbell	Altus Gran	250 Somfell
PETER LAUCH	RTG	FERMINE.
WILL ALLUS	Cllte	

1) Vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review 2) The two 'fail' status above relate to 1 x PID at Blair, where there are 5 others. 7 CCTV at Bayview that do are not viewable at TOCC, but ARE viewable at YCC and BCC

3) AVKR 12 day Average target is currently under review



Trial	Running	Scorecard	(Rev	(07)	•••••••••••••••••••••••••••••••••••••••	**************************************
Dat	e:	Thursday, /	ugus	t 7th, 2	019	
Trial Running Day #		WEDIVESOA				

RESTART

Safety

Operational

Travel Time (ATO Mode) 23 mins

PASS

AM	PM	Average	
(24:30)	(24:22)	(24:26)	

Weekday Headway 3 out of 4 required for pass

PASS

1 Morning westbound – Arrivals at Lees
Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains
Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains
Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices
Demonstration of IMIRS process

***************************************	Scheduled No. Trains	Actual No. Trains	Ratio %
	35	32	91.4%
	35	25	71.4%
	45	43	95.6%
	45	40	88.9%

*Revised schedule KM based on new timetable

AVKR

Ratio %

85.2%

#DIV/0!

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

	AVKR Daily		
	Scheduled KM	Actual KM	
*	12,178.46	10,380	

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

	ASAX Daily		
	Scheduled	Actual Hours	ASAX Ratio
***************************************	Service Hours	Actual Hours	%
	269.54	269.54	100%
	***************************************		***************************************
	214.2	214.2	100.0%
	269.54	269.54	100.0%
	269.54	269.54	100.0%
	269.54	269.54	100.0%
	269.54	269.54	100.0%
	269.54	194.83	72.3%
77.55	143.5	143.5	100.0%
	269.54	269.54	100.0%
	269.54	269.54	100.0%
	269.54	269.54	100.0%

Name	Company	/ /Signature /
MATTHER SLADE	OLRIC	Made
Tray Charte	DCT	
Joe North rep. L. Gaul	CTP	Mulf
RICHARD MOLDER	OTC	18th
Cante Lash	RTM	(laux)
(Je Coundall	Altys Group	796 / Kinglell
William Allum	OLRTC:	Allter.
PETER LAUCH	1275	J. J. Gar

1) Vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review

²⁾ AVKR 12 day Average target is currently under review



Trial Runi	ning Scorecard (Rev 07)
Date:	Thursday, August 8th, 2019
Trial Running Day #:	7-4-1967

RESTART

Actual No.

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

19455

AM PM Average (24:09) (23:28) (23:48)

Scheduled No.

1 Morning westbound – Arrivals at Lees Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains
Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

***************************************	Trains	Trains	Ratio %
	35	32	91.4%
	35	30	85.7%
	45	41	91.1%
	45	39	86.7%

*Revised schedule KM based on new timetable

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)
Ratio

AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

*

	AVKR Daily	***************************************
Scheduled KM	Actual KM	AVKR Ratio %
12,178.46	10,351	85.0%
		#DIV/0!

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

	ASAX Daily		
	Scheduled	Actual Hours	ASAX Ratio
	Service Hours	Actual Hours	%
2435	269.54	269.54	100%
245	214.2	214.2	100.0%
PASS	269.54	269.54	100.0%
PASS	269.54	269.54	100.0%
	269.54	269.54	100.0%
PASS	269.54	269.54	100.0%
24.55	269.54	269.54	100.0%
	143.5	143.5	100.0%
	269.54	269,54	100.0%
	269.54	269.54	100.0%
PASS	269.54	269.54	100.0%

Name	Company	Signature /
MATTHEN SLADE	OLRTC	Wille
Troy Charter	OCT	
Joe North ref. L. Gaol	CTP	Truest
RICHARD HOLDER	OTC	Willes.
Claude Lovel	12-TH	Oaux
Kyle Comphell	Altas Group	Une thought
PETER LAUCH	RTG	THE THE
WILLIAM ACUM	OLRTC	Allen

1) Vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review

2) AVKR 12 day Average target is currently under review



Trial Running Scorecard (Rev 07) Date: Friday, August 9th, 2019 Trial Running Day #:

Overall Pass/Repeat/Restart

CANCEL CONTROL OF THE PASS CONTROL OF THE PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

PASS

PASS

AM PM Average (22:57)(22:56)(22:56:30)

Actual No.

Ratio %

Weekday Headway 3 out of 4 required for pass

PASS

Scheduled No.

1 Morning westbound - Arrivals at Lees Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

PASS

Trains **Trains** 35 36 102.9%

2 Morning eastbound - Arrivals at Pimisi Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains Pass Ratio = 33 Trains 94%

PASS

35 35 100.0%

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

PASS

45 44 97.8%

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

PASS

45 45 100.0%

Maintenance Delivery

Maintenance practices **Demonstration of IMIRS process** PASS PASS

PASS

PASS

AVKR Daily Scheduled KM Actual KM AVKR Ratio % 12,951 92.9% 97 12,034 #DIV/0! 12,517

ASAX Ratio %

100%

100.0%

100.0%

100.0%

100.0%

100.0%

100.0%

98.3%

100.0%

100.0%

91.7%

ASAX Daily

277.94

254.85

Vehicle Availability

Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

99.5%

99.5%

99.5%

99.5%

99.5%

99.5%

AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement	System 99.5%
Passenger Information Syst	tem 99.5%
Fare Control Gates	99.5%

Ticket Vending Machines

Tunnel Ventilation System

Fire Monitoring & Suppression

CCTV Cameras

Station Lighting

P25 Radio

	Scheduled Service Hours	Actual Hours
PASS	277.94	277.94

PASS	226.5	226.5
PASS	277.94	277.94
PASS	277.94	277.94
	277.94	277.94
PASS	277.94	277.94
PASS	277.94	277.94
	150.5	147.93
	277.94	277.94

277.94

277.94

12,846.49

Name	Company	∫ Signature
LARRY GAUC	OCT	Day Goul
Duane D. Duquette	007	2x0.60
RICHARD HOLDER	076	· Kelly
WILL SUMM	arte.	-AHA.
Kyle Compbell	Alfas Group	The Warfrell
Peter Lauch	RAG	Feller of
Thomas Pate	87m	Thomas Pale.

- 1) Schedule vehicle KMs continue to be validated by Deloitte during Trial Running, and may be subject to change as a result of the Deloitte review
- 2) AVKR 12 day Average target is currently under review
- 3) TVS and fire suppression were a fail, however there was no impact to availability of the system
- 4) Actual KM'S for are being investigated by RTG, they are lower than expected.



Trial Running Scorecard (Rev 07)				
Date:	Saturday, August 10th, 2019			
Trial Running Day #:				

Overall	Pass/	Repea	t/R	estari

		Trial Running Scorecard (Rev 07)		Ascidio Trassavenea Aurestair			
	Train Confederation	Date:	Saturday, August 10th,	2019			
	5000	Trial Running Day # :	· · · · · · · · · · · · · · · · · · ·			PASS	
	.!						
	Safety						

	Operational				AM	PM	Average
	Travel Time (ATO Mo	de) 23 mins					22:50:00
						1	
	<u>Weekday</u> Headway	3 out of 4 required for pass		***************************************			
	•	, , , , , , , , , , , , , , , , , , , ,		***************************************			
					Scheduled No.	Ontinal Na	
						Actual No.	Ratio %
	1 Morning westbound -	- Arrivals at Lags		***************************************	Trains	Trains	ļ
			orani. A pastu Artico Art William				
	Between 06:45:00 and		way 3 min 25s = 35 Trains		35		0.0%
	Pass Ratio = 33 Trains	94%			***************************************		
	2 Morning eastbound – A	Arrivals at Pimisi			***************************************		†
	Between 06:45:00 and	d 08:45:00 average head	way 3 min 25s 94% = 33 Trains		35		0.0%
	Pass Ratio = 33 Trains						0.07
				\$	***************************************	***************************************	
	3 Afternoon westbound						
	Between 15:00:00 and	•	way 4 min 00s = 45 Trains		45		0.0%
	Pass Ratio = 42 Trains	93%			***************************************		
	4 Afternoon eastbound -	- Arrivale of Lunn		***************************************			
	Between 15:00:00 and	•	and the control of Table				0.000
		• • • • • • • • • • • • • • • • • • • •	way 4 min 00s = 45 Trains		45		0.0%
	Pass Ratio = 42 Trains Maintenance Delivery	93%				<u> </u>	
	•						
	Maintenance practice			22.5			
	Demonstration of IM	IIRS process					
					<u> </u>	AVKR Daily	
	4 5 - 1 . 5 . 1	a's' ka a sasa a a a wa a'agas	*			AVKK Dally	***************************************
	Vehicle Availability Aggregate	Vehicle Km Availability Rat	io (AVKR)		Scheduled KM	Actual KM	AVKR
	and the second s	Ratio					Ratio %
	AVKR (minimum daily				10,411	10,323.282	99.2%
	AVKR (average over 17	2 days) 98%					#DIV/0!
					200000000000000000000000000000000000000	***************************************	
			•			ASAX Daily	
					Scheduled	Actual Hours	ASAX Ratio
	Station	Ratio		***************************************	Service Hours	Actual ribuis	%
	Availability	y 99.7%			266.27	266.27	100.0%
	Customer Systems & Other Major Sys	stem Ratio					***************************************
					W. A. C. W.		
	Traction Power	99.5%			216.7	216.7	100.0%
	Passenger Announcen	•		1465	266.27	266.27	100.0%
	Passenger Information				266.27	266.27	100.0%
	Fare Control Gates	99.5%			266.27	266.27	100.0%
	Ticket Vending Machin	nes 99,5%		100	266.27	266.27	100.0%
		and the second s		g	5		····

Name	Company	A Signature
XARRY GAUL	007	Lan Gaul
RIGHARD HOLDER	<i>ο</i> τ <i>⊆</i>	Miller
dande Jacob	KTH	Cant
Kyle Campbell	Altus Group	The Juddell
MATTHEW SLADE	OCRTC	Herle
PETER CAUCH	RTG.	A Dec
Trox Charter	000	

PASS

PASS

266.27

143.5

266.27

266.27

266.27

261.9

123

266.27

266.27

259.99

98.4%

85.7%

100.0%

100.0%

97.6%

Notes:

1) KM adjusted to reflect the Deloitte scheduled KM

CCTV Cameras

Station Lighting

P25 Radio

Tunnel Ventilation System

Fire Monitoring & Suppression

2) CCTV - Whilst the video wall was not fully operational, all the workstations were operational, no impact on operations.

99.5%

99.5%

99.5%

99.5%

99.5%

- 3) TVS system was fully operational, alarm related to damper condition which did not prevent the system from working.
- 4) Fire Supression System was under modification for the TOCC panel. System at Lyon was under priming, a normal status



Trial Ru	nning Scorecard (Rev 07)
Date:	Sunday, August 11th, 2019
Trial Running Day #:	

Marall	Dace	/Danast	/Restart
velan	rabb/	nepeat	/ nestart

	Trial Ru	nning Day #:			PASS	
afety						
perational	Tunnel Time (ATO BReds) 33 min	_		AM	PM	Average
	Travel Time (ATO Mode) 23 min	S	174.55			22:23:00
	Weekday Headway 3 out of 4	required for pass				
				Scheduled No. Trains	Actual No. Trains	Ratio %
1	Morning westbound – Arrivals at Between 06:45:00 and 08:45:00 Pass Ratio = 33 Trains 94%	Lees average headway 3 min 25s = 35 Trains		35		0.0%
2	Morning eastbound – Arrivals at F Between 06:45:00 and 08:45:00 Pass Ratio = 33 Trains 94%	imisi average headway 3 min 25s 94% = 33 Trains		35		0.0%
3	Afternoon westbound – Arrivals at Between 15:00:00 and 18:00:00 Pass Ratio = 42 Trains 93%	Rideau average headway 4 min 00s = 45 Trains		45		0.0%
4	Afternoon eastbound – Arrivals at Between 15:00:00 and 18:00:00 Pass Ratio = 42 Trains 93%	Lyon average headway 4 min 00s = 45 Trains		45		0.0%
/laintenance l	•					
	Maintenance practices Demonstration of IMIRS proces	ş	F4.55			
					AVKR Daily	***************************************
ehicle Availa	bility Aggregate Vehicle Km	Availability Ratio (AVKR) Ratio		Scheduled KM	Actual KM	AVKR Ratio %
	AVKR (minimum daily average)	90%		7,811	7,733.044	99.0%
	AVKR (average over 12 days)	98%	***************************************		***************************************	#DIV/0!
					ASAX Daily	TARAN CONTRACTOR OF THE STATE O

					ASAX Dally	
Station		Ratio		Scheduled Service Hours	Actual Hours	ASAX Ratio
wantinii.			(20/20000000000000000000000000000000000	Service nours		%
	Availability	99.7%	PASS	228.58	228.58	100.0%
Customer Sys	tems & Other Major System	Ratio		***************************************	***************************************	
	Traction Power	99.5%	PASS	165.8	165.8	100.0%
	Passenger Announcement System	99.5%	PASS	228.58	228.58	100.0%
	Passenger Information System	99.5%	PASS	228.58	228.58	100.0%
	Fare Control Gates	99.5%	PASS	228.58	228.58	100.0%
	Ticket Vending Machines	99.5%	PASS	228.58	228.58	100.0%
	CCTV Cameras	99.5%		228.58	213.08	93.2%
	Tunnel Ventilation System	99.5%	E-st	108.5	93	85.7%
	Station Lighting	99.5%	PASS	228.58	228.58	100.0%
	P25 Radio	99.5%	PASS	228.58	228.58	100.0%
	Fire Monitoring & Suppression	99.5%	PA55	228.58	228.58	100.0%

Name	Company	∫ Signature
LARRY GAUL	007	Lay Gawl
RICHARD HOLDER	076	Vielle
dande Land	1277	Vaux
Kyle Compbell	Altas Grano	Tel. And the
MATTHEZI SLADE	ocete	thule
PETER LAUCH	RFG	
Troy Charter	٥٥٦	

- 1) KM adjusted to reflect the Deloitte scheduled KM
- 2) CCTV LUX level issue could not be confirmed by OCT or OLRTC
- 3) TVS system was fully operational, alarm related to damper condition which did not prevent the system from working.



Trial Running Scorecard (Rev 07) Date: Monday, August 12th, 2019 Trial Running Day #:

Overall Pass/Repeat/Restart

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

PASS

AM PM Average 22:40:00 22:48:00 22:44:00

PASS

1 Morning westbound – Arrivals at Lees

Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains

Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains
Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

	Scheduled No. Trains	Actual No. Trains	Ratio %
L PASS	35	- 35	100.0%
PASS	35	35	100.0%
PASS	45	45	100.0%
	***************************************		***************************************
PASS	45	45	100.0%

Vehicle Availability	Aggregate Vehicle Km	Availability Ratio Ratio	(AVKR)
AVKR (m	inimum daily average)	90%	
AVKR (av	rerage over 12 days)	98%	

Station		Ratio	
	Availability	99.7%	
Customer Sy	stems & Other Major System	Ratio	
	Traction Power	99.5%	
	Passenger Announcement System	99.5%	
	Passenger Information System	99.5%	
	Fare Control Gates	99.5%	
	Ticket Vending Machines	99.5%	
	CCTV Cameras	99.5%	
	Tunnel Ventilation System	99.5%	

	Scheduled KM	Actual KM	AVKR Ratio %
1455	12,178.46	11,991.908	98.5%
			#DIV/01
***************************************	·	***************************************	
:		ASAX Daily	***************************************
	Scheduled		ASAX Ratio

AVKR Daily

	ASAX Daily				
	Scheduled	Actual Hours	ASAX Ratio		
200000000000000000000000000000000000000	Service Hours	Actual Hours	%		
	269.98	259.73	96.2%		

	217.5	217.5	100.0%		
	269.98	269.98	100.0%		
	269.98	269.98	100.0%		
	269.98	269.98	100.0%		
100	269.98	269.98	100.0%		
	269.98	240.86	89.2%		
	143.5	123.00	85,7%		
	269.98	269.98	100.0%		
	269.98	269.98	100.0%		
	269.98	269.98	100.0%		

Name	Company	/ Signatúre /
MATTHEOU SLADE	OLPIC	Mobiliel
WILLIAM ALLIAN	OLPTE,	
PETER- LAUCH	PG	1 Dell'
Kele Campbell	Altus Group	The / Gestill
Claude Lacob	127H	(Vaut
RICHARD HOLDER	or c'	Wille
Trox Charle	Oct	7-4-
LARRY GAUL	OCT	Luy 60ce

Notes:

1) KM adjusted to reflect the Deloitte scheduled KM

Station Lighting

Fire Monitoring & Suppression

P25 Radio

2) Station availability - one motorized door not functioning for disability automated access at one entrance - station still available. Action on work order delayed due to process fault

99.5%

99.5%

99.5%

3) TVS - system was fully operational, alarm related to damper condition which did not prevent the system from working.

4) CCTV - Minor issues not impacting safety, security or availability



Trial Rur	ning Scorecard (Rev 07)
Date:	-Monday, August 13th, 2019
Trial Running Day #:	THEIMY

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

PASS

AM PM Average 22:33:00 23:12:00 22:52:30

Weekday Headway 3 out of 4 required for pass

1455

PASS

PASS

PASS

PASS

PASS

1 Morning westbound – Arrivals at Lees

Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains

Page Patie = 32 Trains 04%

Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

Pass Ratio = 33 Trains 94%

0000:	Scheduled No. Trains	Actual No. Trains	Ratio %
	35	35	100.0%
]	35	35	100.0%
	45	44	97.8%
1	45	44	97.8%

oj ninks process

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

	AVKR Daily		
	Scheduled KM	Actual KM	AVKR Ratio %
1000	12,178.46	11,165.890	91.7%
			#DIV/0!

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

	ASAX Daily				
	Scheduled Actual Hours A		ASAX Ratio		
P2000000000000000000000000000000000000	Service Hours	Actual flours	%		
	269.54	259.92	96.4%		
	217.5	217.5	100.0%		
100	269.54	269.54	100.0%		
	269.54	208.92	77.5%		
	269.54	269.54	100.0%		
	269.54	269.54	100.0%		
	269.54	244.04	90.5%		
	143.5	143.50	100.0%		
	269.54	269.54	100.0%		
	269.54	269.54	100.0%		
***************************************	269.54	269.54	100.0%		

Name	Company	Signature
Troy Chate	000	
LARRY GAUL	OCT	Hoy Gard
RICHARP MOLPER	016	Mulle
Claudities	RTH	(Voids/
MATTHEW SLADE	OLRÍC	MSleve
Kyle Compbell	Altes Group	Maglinfell
PETER LAUCH	स्वद	FROM
WILLIAM ACLIAN	Orrte	1 / Mille
		/

Notes:

1) KM adjusted to reflect the Deloitte scheduled KM

2) Station availability - one motorized door not functioning for disability automated access at one entrance - station still available. Action on work order delayed due to process fault

3) Mainteance practices are being undertaken however inspection reports are not being submitted in the required format

4) CCTV - Minor issues not impacting safety, security or availability



Trial Running Scorecard (Rev 07)					
Date: Wednesday, August 14th, 2019					
Trial Running Day # :					

REPEAT DAY

Actual No.

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

1986

AM PM Average 25m:18s 22m:48s 24m:03s

Scheduled No.

100

PASS

PASS

1	Morning westbound – Arrivals at Le	es					
	Between 06:45:00 and 08:45:00	average	headway 3	min	25s =	35	Trains
	Pass Ratio = 33 Trains 94%						

2 Morning eastbound – Arrivals at Pimisi

Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon

Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains

Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices
Demonstration of IMIRS process

*****	Trains	Trains	Ratio %
	35	30	85.7%
	35	27	77.1%
	45	45	100.0%
	45	45	100.00/
	****	4,0	100.0%

Fig.

Vehicle Availability	Aggregate Vehicle Km Av	ailability Ratio (Ratio	(AVKR)
AVKR (n	ninimum daily average)	90%	79
AVKR (a	verage over 12 days)	98%	

	AVKR Daily		
Scheduled KM	Actual KM	AVKR	
	, , , , , , , , , , , , , , , , , , , ,	Ratio %	
12,178.46	11,435.206	93.9%	
		#DIV/0!	

ASAX Daily

Station		Ratio
	Availability	99.7%
Customer Syst	ems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

	Scheduled Service Hours	Actual Hours	ASAX Ratio %
	269.54	269.54	100.0%
	217.5	217.54	100.0%
	269.54	269.54	100.0%
	269.54	260.21	96.5%
	269.54	269.54	100.0%
	269.54	269.54	100.0%
	269.54	243.15	90.2%
	143.5	143.50	100.0%
PASS	269.54	269.54	100.0%
	312	312	100.0%
Part	312	312	100.0%

Company	/ Signature /
OZLIC	108eule
OCT	
000	Hang Gand
0 T C	18 Stan
RITE	Charles
Altas Gracio	-240h/41
विद	
arre	444
	//
	OZZIC OCT OTC PCTPI Altus Group PCTS

- 1) KM adjusted to reflect the Deloitte scheduled KM
- 2) CCTV and PI Minor issues not impacting safety, security or availability
- 3) TRRT agreed to change Fire Systems and P25 to 24 hour due to fire and life safety 24/7 systems past days will not be changed, as no impact to previous score cards.



Trial R	Running Scorecard (Rev 07)	~~
Date	e: Thursday, August 14th, 2019	
Trial Running Day#	: 15	_

Actual No.

Trains

27

24

45

45

Ratio %

77.1%

68.6%

100.0%

100.0%

REPEAT

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

 AM
 PM
 Average

 PASS
 22m:38s
 22m:52s
 22m:45s

Scheduled No.

Trains

35

35

45

45

PASS

1 Morning westbound – Arrivals at Lees

Between 06:45:00 and 08:45:00 average headway 3 min 25s = 35 Trains Pass Ratio = 33 Trains 94%

2 Morning eastbound – Arrivals at Pimisi

Between 06:45:00 and 08:45:00 average headway 3 min 25s 94% = 33 Trains

Pass Ratio = 33 Trains 94%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

PASS

Maintenance Delivery

Vehicle Availability

Maintenance practices

Demonstration of IMIRS process

Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

AVKR Daily		
Scheduled KM	Actual KM	AVKR
 Joint Mariou Kill	Mercan May	Ratio %
12,178.46	11,230.714	92.2%
		#DIV/01

	b.	
Station		Ratio
	Availability	99.7%
Customer Sy	stems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%
	Fire Monitoring & Suppression	99.5%

	ASAX Daily		
	Scheduled Service Hours	Actual Hours	ASAX Ratio %
	270.81	270.81	100.0%
	***************************************		***************************************
PASS	217.5	217.54	100.0%
	270.81	270.81	100.0%
	270.81	270.81	100.0%
PASS	270.81	270.81	100.0%
	270.81	270.81	100.0%
	270.81	244.42	90.3%
100	143.5	143.50	100.0%
	270.81	270.81	100.0%
	24	24	100.0%
	576	560.15	97.2%

Company	/Signatúre
OLRIC	LAS ALL
€C(T	
CTP/STV	GALLE
OTC	Wille
RTM	Claus
Altes Group	The speled
(यह	400
OLICE	I - ANTIUL
	OLRIC OCR OTC CTP/STV OTC RIM Altes Group PTG

Notes:

- 1) KM adjusted to reflect the Deloitte scheduled KM
- 2) CCTV Minor issues not impacting safety, security or availability
- 3) TRRT agreed to change Fire Systems and P25 to 24 hour due to fire and life safety 24/7 systems past days will not be changed, as no impact to previous score cards.

Fire monitoring 24 hours x (13 stations+MSF+TOCC+9TPSS) EQUALS 576Hours



Trial Running Scorecard (Rev 07)					
Date:		Friday, August 16th, 2019			
Trial Running Day #:					

PASS

PM

N/A

Average

22m:42s

AM

22m:42s

Safety

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS PASS

PASS PASS

PASS PASS PASS

Operational

Travel Time (ATO Mode) 23 mins

PASS Weekday Headway 3 out of 4 required for pass PASS

1 Morning westbound - Arrivals at Lees Between 06:45:00 and 08:45:00 average headway 3 min 25s = 38 Trains Pass Ratio = 28 Trains 93%

2 Morning eastbound - Arrivals at Pimisi average headway 3 min 259 94% = 37 Trains Between 06:45:00 and 08:45:00 Pass Ratio = 28 Trains 93%

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

Maintenance Delivery

Maintenance practices Demonstration of IMIRS process

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR) Ratio AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

 Scheduled No. Trains	Actual No. Trains	Ratio %
30	31	103.3%
30	31	103.3%
45	41	91.1%
45	30	66.7%

	AVKR Daily		
	Scheduled KM	Actual KM	AVKR Ratio %
PASS	12,393.00	11,436.694	92.3%
		11444	#DIV/0!

		ASAX Daily	***************************************
	Scheduled	Actual Hours	ASAX Ratio
oex	Service Hours	Actual nouls	%
	280.08	280.08	100.0%
~	*************************************	***************************************	
	226.5	226.5	100.0%
	280.08	280.08	100.0%
	280.08	270.25	96.5%
	280.08	280.08	100.0%
	280.08	280.08	100.0%
	280.08	266,58	95.2%
	150.5	150.50	100.0%
	280.08	280.08	100.0%
	24	24	100.0%
	576	552	95.8%

Name	Company	Signature
RICHARD HOLDER	OTC	Kuli-
Kele Comphell	Altas	Chitadel
'dan's	RITS	(lagy)
William Allueur	CLÈTC	- Alluc
POTER LAUCH	PG	Allin
Trox Chata	CCT.	
Joe North for L. Garl	CTP	JUSK -

- 1) KM adjusted for new 13 AM peak train count
- 2) CCTV and PI Minor issues not impacting safety, security or availability
- 3) For the afternoon travel time/headway; single track operation which occurred is being considered by the



Trial R	unning Scorecard (Rev 08)	•
Date	: Saturday, August 17th, 2019	-
Trial Running Day #		*

Overall	Pass	/Rene	at/Resta	878
** * ** *** *** **	5 and me. mo.	E same bounders	men's examinemen	X X

Actual No.

Trains

0

0

0

0

Ratio %

0.0%

0.0%

0.0%

0.0%

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

PM AM Average 22m:46s 22m:46s N/A PASS

Scheduled No.

Trains

30

30

45

45

N/A

N/A

N/A

N/A

N/A

PASS

1 Morning westbound – Arrivals at Lees Between 06:45:00 and 08:45:00 average headway = 30 Trains Pass Ratio = 28 Trains 93%

2 Morning eastbound – Arrivals at Pimisi Between 06:45:00 and 08:45:00 average headway = 30 Trains Pass Ratio = 28 Trains 93%

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

PASS

PASS

Maintenance Delivery

Maintenance practices **Demonstration of IMIRS process**

Vehicle Availability	Aggregate Vehicle Km Av	ailability Ratio (AVKR)
		Ratio
AVKR (m	inimum daily average)	90%
AVKR (a)	verage over 12 days)	98%

Station		Ratio
	Availability	99.7%
Customer	Systems & Other Major System	Ratio
	Traction Power	99.5%
	Passenger Announcement System	99.5%
	Passenger Information System	99.5%
	Fare Control Gates	99.5%
	Ticket Vending Machines	99.5%
	CCTV Cameras	99.5%
	Tunnel Ventilation System	99.5%
	Station Lighting	99.5%
	P25 Radio	99.5%

Fire Monitoring & Suppression

99.5%

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	AVKR Daily	
Scheduled KM	Actual KM	AVKR
		Ratio %
10,410.00	10,092.612	96.95%
		#DIV/0!

	ASAX_Daily		
	Scheduled	Actual Hours	ASAX Ratio
	Service Hours	Actual Hours	%
	266.31	266.31	100.0%
14.5	216.7	216.7	100.0%
	266.31	265.5	99.7%
	266.31	245.81	92.3%
PASS	266.31	266.31	100.0%
	266.31	266.31	100.0%
	266.31	165.75	62.2%
174.55	143.5	143.50	100.0%
	266.31	266.31	100.0%
	24	24	100.0%
	552	552	100.0%

Name	Company	Signature
PETER LAUCH	RTS	Allen
TOE North for LEAU	CTP	Trut
Down David	OCT	Own.
William Almun	Orrte	- William
Tom PATE	RTM	Thomas tato
ERIC DUBE	OTC	Elitholi
Kyle Campbell	Altus Group	The hufal

¹⁾ CCTV and PI - Minor issues not impacting safety, security or availability.



Trial Runni	ng Scorecard ( Rev 08)	**********
Date:	Sunday, August 18th, 2019	
Trial Running Day #:	8	

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

Weekday Headway 3 out of 4 required for pass

PASS

PASS

 AM
 PM
 Average

 22m:37s
 N/A
 22m:37s

N/A

N/A

N/A

N/A

N/A

1 Morning westbound – Arrivals at Lees

Between 06:45:00 and 08:45:00 average headway = 30 Trains
Pass Ratio = 28 Trains 93%

2 Morning eastbound – Arrivals at Pimisi Between 06:45:00 and 08:45:00 average headway = 30 Trains Pass Ratio = 28 Trains 93%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

**Maintenance Delivery** 

Maintenance practices

Demonstration of IMIRS process

		F-100-100-100-100-100-100-100-100-100-10	***************************************
oong:	Scheduled No. Trains	Actual No. Trains	Ratio %
	30	0.	0.0%
1	30	0	0.0%
1	45	0	0.0%
	. 45	0	0.0%

**AVKR** 

Ratio %

97.42%

#DIV/0!

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

	AVKR Daily	
	Scheduled KM	Actual KM
	7,812.00	7,610.354
•		

Station		Ratio	
	Availability	99.7%	
Customer S	Systems & Other Major System	Ratio	
	Traction Power	99.5%	
	Passenger Announcement System	99.5%	
	Passenger Information System	99.5%	
	Fare Control Gates	99.5%	
	Ticket Vending Machines	99.5%	
	CCTV Cameras	99.5%	
	Tunnel Ventilation System	99.5%	
	Station Lighting	99.5%	
	P25 Radio	99.5%	
	Fire Monitoring & Suppression	99.5%	

	Scheduled Service Hours	Actual Hours	ASAX Ratio %
	202.59	202.59	100.0%
17.55	165.8	165.8	100.0%
	202.59	171.59	84.7%
	202.59	167.69	82.8%
PASS	202.59	202.59	100.0%
	202.59	202.59	100.0%
	202.59	116.31	57.4%
	108.5	108.5	100.0%
	202.59	202.59	100.0%
	24	24	100.0%
F.A.S.S	552	552	100.0%

ASAX Daily

OLRIC	1 / Stude
	<u> </u>
000	21-
CTP	JOuth
OT C	Michael
RTM	(Jaux)
Altas	The Hold
RTG	EMU.
ORTÓ	
	CTP

Notes:

1) CCTV, PI and PA - Minor issues not impacting safety, security or availability.

(CCTV Note: Based on FOT observations 7 CCTV assests reported not working out of CIRCA 1200 Cameras, these assets have now been reported working, however workorders not closed)

2) Station hours changed to 202.59 hours based on 8am to Ilpm based on correct timetable.



Trial Running Scorecard ( Rev 08)				
Date:	Monday, August 19th, 2019			
Trial Running Day #:	9			

PASS

PM

22:50:00

Actual No.

**Trains** 

28

29

44

46

Average

23m:30s

Ratio %

93.3%

96.7%

97.8%

102.2%

Safety

Operational

Travel Time (ATO Mode) 23 mins

24m:11s

AM

Scheduled No.

**Trains** 

30

30

45

45

PASS

PASS

PASS

PASS

PASS

PASS

Weekday Headway 3 out of 4 required for pass

1 Morning westbound – Arrivals at Lees
Between 06:45:00 and 08:45:00 average headway = 30 Trains
Pass Ratio = 28 Trains 93%

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway = 30 Trains
Pass Ratio = 28 Trains 93%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

**Maintenance Delivery** 

Maintenance practices
Demonstration of IMIRS process

PASS

Vehicle Availability Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio

AVKR (minimum daily average) 90%

AVKR (average over 12 days) 98%

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Barranany Annaisananana Cristana	00 897

ems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

	AVKR Daily		
	Scheduled KM	Actual KM	AVKR Ratio %
	11,675	11,349.00	97.21%
***************************************			#DIV/01

	ASAX Daily		
	Scheduled	Actual Hours	ASAX Ratio
TOTAL	Service Hours	Actual riguis	%
PASS	270.6	270.18	99.8%
		***************************************	
	217.5	217.5	100.0%
	270.6	270.6	100.0%
	270.6	256.89	94.9%
17.455	270.6	270.6	100.0%
	270.6	270.6	100.0%
	270.6	186.68	69.0%
DASS	143.5	143.5	100.0%
	270.6	250.1	92.4%
10.00	24	24	100.0%
11/4/5/5	576	576	100.0%

Name	Company	Signature
LARRY GAUC	007	Lay Good
Troy Charter	oct	7k-
RICHARD HOLDER	076	Kelf &
Cloude Jacob	RIH	U/QL/X
Kyle Compbell	Alter Group	The Mulel
METER LAUCH	RTG	ARVIII
WILLIAM DELIAN	alie.	Althor.
MATTHON SLADE	OLRIC	Istale

- 1) Maintenance Practices Due to an occurrence, processes and procedures are being adjusted
- 2) PIS Minor issue not considered relevant to safety or security
- 3) CCTV validation exercise to be undertaken to investigate "help is on the way"
- 4) Travel Time Not considered to impact the overall result for the day due to only one trip being affected by a GIDs activation
- 5) Aggregate AVKR 9 day average >96%



# Trial Running Scorecard (Rev 08) Date: Tuesday , August 20th, 2019 Trial Running Day # : 10

Overall Pass/Repeat/Restart

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

PASS

ΔM	PM		
7 10 7 1	4: 4,47	Average	
22m:42s	22m:51s	22m:46s	

Actual No.

Trains

31

31

45

45

Ratio %

103.3%

103.3%

100.0%

100.0%

Weekday Headway 3 out of 4 required for pass

PASS

PASS

PASS

PASS

PASS

Scheduled No.

Trains

30

30

45

45

1 Morning westbound – Arrivals at Lees		
	Between 06:45:00 and 08:45:00	average headway = 30 Trains
	Pass Ratio = 28 Trains 93%	

2 Morning eastbound – Arrivals at Pimisi
Between 06:45:00 and 08:45:00 average headway = 30 Trains
Pass Ratio = 28 Trains 93%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

PASS

Maintenance Delivery

Maintenance practices

Demonstration of IMIRS process

Vehicle Availability	Aggregate Vehicle Km A	e Vehicle Km Availability Ratio (AVKR) Ratio	
AVKR (mi	nimum daily average)	90%	
AVKR (ave	erage over 12 days)	98%	

Station		Ratio
Availa	bility	99.7%
Customer Systems & Other Majo	r System	Ratio
Traction Power		99.5%
Passenger Annour	ncement System	99.5%
Passenger Informa	ation System	99.5%
Fare Control Gate:	S	99.5%
Ticket Vending Ma	achines	99.5%
CCTV Cameras		99.5%
Tunnel Ventilation	System	99.5%

99.5%

99.5%

99.5%

Station Lighting

Fire Monitoring & Suppression

P25 Radio

Scheduled KM Actual KM	Actual KM	AVKR
	, 10.0001 10141	Ratio %
11,675.00	11,342.176	97.15%
		#DIV/0!

	Scheduled	Actual Hours	ASAX Ratio
######################################	Service Hours	Accual ribuis	%
	271.05	271.05	100.0%
			***************************************
	217.5	217.5	100.0%
1945.5	271.05	271.05	100.0%
	271.05	248.3	91.6%
	271.05	271.05	100.0%
23.55	271.05	271.05	100.0%
	271.05	271.05	100.0%
	271.05	271.05	100.0%
	271.05	271.05	100.0%
	24	24	100.0%
2435	576	576	100.0%

Name	Company	Signature
LARRY GAUC	OCT	Lon Gane
Troy Clark	OCT	212
RICHARD HOLDER	٥٦ <i>८</i>	45065
Coude Jacob	RTH	Cloud
Kyle Campbell	Altas Group	Man Mart of l
PETER LAUCH	PTG	I I I I I I I I I I I I I I I I I I I
WILLIAM ACMIN	OLRTC	- House /
MATTHEW SLADE	OLRIC	Mode

Notes:

1) PI - Minor issues not impacting safety, security or availability.



Trial Running Scorecard ( Rev 08)			
Date:	Wednesday , August 21st, 2019		
Trial Running Day#:	11		

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

PASS

PASS

AM PM Average 22m:25s 22m:55s 22m:40s

Weekday Headway 3 out of 4 required for pass

PASS

PASS

PASS

1 Morning westbound - Arrivals at Lees Between 06:45:00 and 08:45:00 average headway = 30 Trains

Pass Ratio = 28 Trains 93% 2 Morning eastbound - Arrivals at Pimisi

3 Afternoon westbound - Arrivals at Rideau Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

average headway = 30 Trains

4 Afternoon eastbound - Arrivals at Lyon Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains Pass Ratio = 42 Trains 93%

Maintenance Delivery

Vehicle Availability

Maintenance practices Demonstration of IMIRS process

Between 06:45:00 and 08:45:00

Pass Ratio = 28 Trains 93%

	Scheduled No. Trains	Actual No. Trains	Ratio %
	30	31	103.3%
PASS	30	31	103.3%
PASS	45	45	100.0%
	45	45	100.0%

Aggregate Vehicle Km Availability Ratio (AVKR)

Ratio AVKR (minimum daily average) 90% AVKR (average over 12 days) 98%

**AVKR Daily** AVKR Scheduled KM Actual KM Ratio % PASS 11,785.42 99.18% 11,688.778 N/A N/A N/A

Station	Ratio
Availability	99.7%
Customer Systems & Other Major System	Ratio
Traction Power	99.5%
Passenger Announcement System	99.5%
Passenger Information System	99.5%
Fare Control Gates	99.5%
Ticket Vending Machines	99.5%
CCTV Cameras	99.5%
Tunnel Ventilation System	99.5%
Station Lighting	99.5%
P25 Radio	99.5%
Fire Monitoring & Suppression	99.5%

	ASAX Daily	
Scheduled Service Hours	Actual Hours	ASAX Ratio %
270.6	270.60	100.0%
		·····
217.5	217.5	100.0%
270.6	270.6	100.0%
270.6	270.6	100.0%
270.6	270.6	100.0%
270.6	270.6	100.0%
270.6	270.6	100.0%
143.5	143.5	100.0%
270.6	270.6	100.0%
24	24	100.0%
576	576	100.0%
	270.6 217.5 270.6 270.6 270.6 270.6 270.6 270.6 143.5 270.6	Service Hours         Actual Hours           270.6         270.60           217.5         217.5           270.6         270.6           270.6         270.6           270.6         270.6           270.6         270.6           270.6         270.6           270.6         270.6           270.6         270.6           270.6         270.6           24         24

Name	Company	/ (Signature
MATTHEW SLADE	GLRTC	1 Delle
Trox Charter	Oct	
LARRY GASC	000	Jag Garl
RICHARD HOLDER	076	(full)
dande Jacob	RTM	Vaus
Kyle Campbell	Altus Giono	The Headell
PETER LAUCH	RTG	
Wall Aller	OLRTC	

¹⁾ Schedule KM change based on new timetable implemented from 21st Aug onwards , previously 11,675 now 11,785.42

* Refer to

footnote

* Refer to

footnote



## Trial Running Scorecard (Rev 08) Date: Thursday, August 24st, 2019 Trial Running Day #: 12

Overall Pass/Repeat/Restart

PASS

Safety

Operational

Travel Time (ATO Mode) 23 mins

1833

PASS

AM PM Average 22m:02s 22m:54s 22m:28s

Weekday Headway 3 out of 4 required for pass

PASS

PASS

PASS

PASS

1 Morning westbound – Arrivals at Lees
Between 06:45:00 and 08:45:00 average headway = 30 Trains
Pass Ratio = 28 Trains 93%

2 Morning eastbound – Arrivals at Pimisi

Between 06:45:00 and 08:45:00 average headway = 30 Trains

Pass Ratio = 28 Trains 93%

3 Afternoon westbound – Arrivals at Rideau
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

4 Afternoon eastbound – Arrivals at Lyon
Between 15:00:00 and 18:00:00 average headway 4 min 00s = 45 Trains
Pass Ratio = 42 Trains 93%

Aggregate Vehicle Km Availability Ratio (AVKR)

Maintenance Delivery

Vehicle Availability

Maintenance practices

Demonstration of IMIRS process

 Scheduled No. Trains	Actual No. Trains	Ratio %
30	27	90.0%
30	27	90.0%
45	45	100.0%
45	45	100.0%

AVKR (minimum daily average) 90% AVKR (average over 12 days) 98% PASS PASS

	AVKR Daily		
Scheduled KM	Actual KM	AVKR	
	ACCOUNTY.	Ratio %	
11,785.424	11,407.338	96.8%	
132,960	128,658	96.8%	

Station		Ratio	
	Availability	99.7%	
Customer Systems & Other Major System		Ratio	
	Traction Power	99.5%	
	Passenger Announcement System	99.5%	
	Passenger Information System	99.5%	
	Fare Control Gates	99.5%	
	Ticket Vending Machines	99.5%	
	CCTV Cameras	99.5%	
	Tunnel Ventilation System	99.5%	
	Station Lighting	99.5%	
	P25 Radio	99.5%	
	Fire Monitoring & Suppression	99.5%	

	ASAX Daily					
	Scheduled Actual Hours		ASAX Ratio			
	Service Hours	Actual nouls	%			
	270.6	270.60	100.0%			
	······································	***************************************				
	***************************************	***************************************				
	217.5	217.5	100.0%			
	270.6	250.55	92.6%			
	270.6	270.6	100.0%			
	270.6	270.6	100.0%			
	270.6	270.6	100.0%			
	270.6	262.42	97.0%			
11.55	143.5	143.5	100.0%			
	270.6	270.6	100.0%			
	24	24	100.0%			
PASS	576	576	100.0%			

Name	Company	Signature
Troy Charter	OCT	
LARRY GAUL	OCT	Hay Gove
RICHARD HOLDER	072	Mila
Claude Lacob	1271	gaux-
Kyle Campbell	Altus Giono	The Aufell
PETER LAUCH	72.75	FULL
MATTHEW SLADE	OLRIC	Thead
William Alluem	OLRTC .	

- 1) CCTV and PA Minor issues not impacting safety, security or availability
- 2) RFI-O-266 Morning peak above minimum availability 88%
- 3) AVKR refer to Appendix TRRT Conclusion

### AVKR

Day#	Day	Date	%	Schedule KM	Actual KM	Status
1	Saturday	3rd AUG	97.30%	10,410.63	10,130	Actual
2	Sunday	4th AUG	99.50%	7,810.51	7,771	Actual
3	Monday	5th AUG	95.22%	12,178.46	11,596	Actual
4	Tuesday	6th AUG	91.34%	12,178.46	11,124	Actual
Pause	Wednesday	7th AUG		12,178.46	10,380	Actual
Pause	Thursday	8th AUG		12,178.46	10,351	Actual
			Resi	tart		
1	Friday	9th AUG	97.44%	12,846	12,517	Actual
2	Saturday	10th AUG	99.16%	10,411	10,323	Actual
3	Sunday	11th AUG	99.01%	7,811	7,733	Actual
4	Monday	12th AUG	98.47%	12,178	11,992	Actual
5	Tuesday	13th AUG	91.69%	12,178	11,166	Actual
Repeat	Wednesday	14th AUG				Forecast
Repeat	Thursday	15th AUG				Forecast
6	Friday	16th AUG	92.28%	12,393	11,437	Actual
7	Saturday	17th AUG	96.95%	10,410	10,093	Actual
8	Sunday	18th AUG	97.42%	7,812	7,610	Actual
9	Monday	19th AUG	97.21%	11,675	11,349	Actual
10	Tuesday	20th AUG	97.15%	11,675	11,342	Actual
11	Wednesday	21st AUG	99.18%	11,785	11,689	Actual
12	Thursday	22nd AUG	96.79%	11,785	11,407	Actual

77,535.85

74,926.95

12 day AVKR

96.90%