



### 97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

Client

Nova Scotia Transportation And Infrastructure Renewal

PO Box 186, 1672 Granville Street

Halifax, Nova Scotia

**B3J2N2** 

OurProject No.

02000061.000.001

Client Contract No.:

4600019710

Client P.O.:

Contractor:

Able Equipment

CC:

Fax

ATTENTION: Krista Ranahan, P.Eng.

PHONE:

(902) 722-1207

FAX:

Email:

krista.ranahan@no

Project: FO1-55-02-01 - JL IIsley High School Concrete Testing

Mix No:

C25F1D1

Date Placed:

13-Feb-20

Supplier: Casey Metro

Formwork: Wood

**Method Of Placing:** 

Pump

Weather: Snowing

Vibrators:

Whip

**Method Of Curing:** 

Insulated Tarps

Air:

Specified Properties: Strength, @28 Days:

25 MPa,

Slump:

80 +/- 20 mm

6 +/- 1 %

Load	Ticket	Truck			Record			Slump	Temp	(C)	Vol	ume	#Cylds
No.	No.	No.	Batch <sup>-</sup>	Tested	Unload	Elapsed	Air (%)	(mm)	Conc	Air	Load	Cum.	Cast
1	104206	37CM	12:13	13:33	14:05	1:52	5.7	95	16	1	8.03	8.03	3
2	104208	39CM	12:25	14:03	14:20	1:55	4.6/6.4	95/100	16	1	8.03	16.06	2
3	104209	38CM	12:51	14:23	14:45	1:54	5.3	100	16.5	1	5.16	21.22	0
4	104210	23CM	13:10	14:51	15:07	1:57	5.2	95	16	1	4.78	26.00	0

Section:

Location:

footing pads 7B, 7C, 8B, 8C. Wall on line 14 from A to 4.2m from D

Comments

Field Test results reported on site.

Record No: 29605

Standby:

Englobe Tech: Tristan Pye





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Halifax, Nova Scotia

**B3J 2N2** 

OurProject No.

02000061.000.001

**Client Contract No.:** 

4600019710

Client P.O.:

Contractor:

Able Equipment

CC:

Fax

ATTENTION: Krista Ranahan, P.Eng.

PHONE:

(902) 722-1207

FAX:

Email:

krista.ranahan@no

Project: FO1-55-02-01 - JL IIsley High School Concrete Testing

Mix No:

C30F100C

**Date Placed:** 

13-Feb-20

Supplier: Casey Metro

Formwork:

Wood

Method Of Placing:

Pump

Weather: Snowing

Vibrators:

Whip

**Method Of Curing:** 

Insulated Tarps

Specified Properties: Strength, @28 Days:

30 MPa,

Slump:

80 +/- 20 mm

Air:

No AEA %

Load	Ticket	Truck			Record			Slump	Temp	(C)	Vol	ume	#Cylds
No.	No,	No.	Batch <sup>*</sup>	Tested	Unload	Elapsed	Air (%)	(mm)	Conc	Air	Load	Cum.	Cast
1	104207	33CM	12:24	13:15	13:40	1:16	1.7	75	17	1	2.5	2.5	5

Section:

Location:

Four Piers: Y7-X3, Z1-W6, Y7-10, Y7-11

Comments

Field Test results reported on site.

Record No: 29604

Standby:

Englobe Tech:

Tristan Pye

**PER** 





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Client

Nova Scotia Transportation And Infrastructure Renewal

PO Box 186, 1672 Granville Street

Halifax, Nova Scotia

**B3J 2N2** 

OurProject No.

02000061.000.001

Client Contract No.:

4600019710

Client P.O.:

Contractor:

Able Equipment

CC:

Fax

ATTENTION: Krista Ranahan, P.Eng.

PHONE:

(902) 722-1207

FAX:

Email:

krista ranahan@no

Project: FO1-55-02-01 - JL Ilsley High School Concrete Testing

Mix No:

C30F1D1

**Date Placed:** 

14-Feb-20

Supplier: Casey Metro

Formwork:

Wood

Method Of Placing:

Pump

Weather: Sunny

Vibrators:

Whip

**Method Of Curing:** 

Heaters & Tarps

Specified Properties: Strength, @28 Days:

30 MPa,

Slump:

80 +/- 20 mm

Air:

No AEA %

	Load	Ticket	Truck			Record			Slump	Temp	(C)	Vol	ume	#Cylds
	No.	No.	No.	Batch	Tested	Unload	Elapsed	Air (%)	(mm)	Conc	Air	Load	Cum.	Cast
l	1	104213	38CM	13:06	14:05	14:15	1:09	2.7	85	18.5	-9	2.0	2.0	5

Section:

Location:

4 piers on footings:7-B, 7-C, 8-B, 8-C

Comments

Field Test results reported on site.

Record No: 29609

Standby:

Englobe Tech: Tristan Pye





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Client

Nova Scotia Transportation And Infrastructure Renewal

PO Box 186, 1672 Granville Street

Halifax, Nova Scotia

**B3J 2N2** 

PHONE:

OurProject No.

02000061.000.001

Client Contract No.: 4600019710

Client P.O.:

Contractor:

Able Equipment

CC:

Fax

ATTENTION: Krista Ranahan, P.Eng.

(902) 722-1207

FAX:

Email:

krista.ranahan@no

Project: FO1-55-02-01 - JL IIsley High School Concrete Testing

Mix No:

C25F1D1

Date Placed:

14-Feb-20

Supplier: Casey Metro

Formwork: Wood

Method Of Placing:

Pump

Weather: Sunny

Vibrators:

Whip

**Method Of Curing:** 

Heaters & Tarps

Specified Properties: Strength, @28 Days:

25 MPa,

Slump:

80 +/- 20 mm

6 +/- 1 % Air:

Load	Ticket	Truck			Record			Slump	Temp	(C)	Vol	ume	#Cylds
No.	No.	No.	Batch	Tested	Unload	Elapsed	Air (%)	(mm)	Conc	Air	Load	Cum.	Cast
1	104216	20CM	13:39	14:20	15:26	1:47	5.5	90	18.5	-9	7.0	7.0	5

Section:

Location:

Elevator walls. Strip footing on line X-1 between Z-1 and Y-7. Wall on line 14 pilaster B-14

Comments

Field Test results reported on site.

Record No: 29610

Standby:

Englobe Tech: Tristan Pye





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Client

Nova Scotia Transportation And Infrastructure Renewal

PO Box 186, 1672 Granville Street

Halifax, Nova Scotia

**B3J 2N2** 

OurProject No.

02000061.000.001

Client Contract No.:

4600019710

Client P.O.:

Contractor:

Marco Maritimes

CC:

Fax

ATTENTION:

Krista Ranahan, P.Eng.

PHONE:

(902) 722-1207

Specified Properties: Strength, @28 Days:

Email:

krista.ranahan@no

Project: FO1-55-02-01 - JL IIsley High School Concrete Testing

Mix No:

C25F1D1

**Date Placed:** 

18-Feb-20

Supplier: casey Metro

Formwork:

Wood

Method Of Placing:

Pump

Weather: Clear

**Method Of Curing:** 

Heaters & Tarps

Vibrators:

Whip

25 MPa,

Slump: 80 +/- 20 mm

Air:

6 +/- 1 %

Load	Ticket	Truck			Record			Slump	Temp	(C)	Vol	ume	#Cylds
No.	No.	No.	Batch	Tested	Unload	Elapsed	Air (%)	(mm)	Conc	Air	Load	Cum.	Cast
1	104226	25CM	12:52	13:40	14:10	1:18	6.4	100	13.5	-2.5	6.50	6.50	3
2	104228	33CM	13:31	14:30	14:55	1:24	5.5	100	16.0	-3.0	6.50	13.00	2
3	104230	28CM	14:00	14:50	15:15	1:15	5.3	90	15.5	-2.0	6.50	19.50	
4	104231	28CM	14:12	15:10	15:30	1:18	5.4	90	15.5	-1.5	6.50	26.00	

Section:

Footings and Wall

Location:

Footings: B9 & C9, Foundation wall: Line Z1 (W1 - W3)

Comments

Field Test results reported on site.

Standby:

Record No: 29618

Englobe Tech: Joel DeCoste

**PER** 



97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

Client:  Nova Scotia Transportation And Infrastructure Renewal PO Box 186, 1672 Granville Street Halifax, Nova Scotia B3J 2N2 CC: Attn: Krista Ranahan, P.Eng.  Fax  Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Set No: 4  No. Of Specimens: 3  Our Project No.: O2000061.000.001  4600019710  Client PO.: Contractor: Marco Maritimes  Fax  Fax  Fax  Fax  Fax  Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Diameter(mm) Kg/m 3  Date Cast: 20 Jan 2020  Failure Tested (Days) Diameter(mm) Kg/m 3  Strength (MPa) Type	
PO Box 186, 1672 Granville Street  Halifax, Nova Scotia  B3J 2N2  CC:  Fax  Attn: Krista Ranahan, P.Eng.  Fax  Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Femail krista.ranahan@novascotia.ca  Set No: 4  No. Of Specimens: 3  Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Halifax, Nova Scotia  B3J 2N2  CC:  Fax  Attn: Krista Ranahan, P.Eng.  Fax  Project: F01-55-02-01 - JL IIsley High School Concrete Testing  Testing  Testing  Testing  Date Cast: 20 Jan 2020  Specimen  Date  Age At Test  Average  Cyl Density Maximum  Compressive  Failure	
B3J 2N2 CC: Fax  Attn: Krista Ranahan, P.Eng.  Fax  Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Set No: 4 No. Of Specimens: 3  Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Attn: Krista Ranahan, P.Eng.  Fax  Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Set No: 4 No. Of Specimens: 3 Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Set No: 4  No. Of Specimens: 3  Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Project: FO1-55-02-01 - JL IIsley High School Concrete Testing  Set No: 4 No. Of Specimens: 3 Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Testing Email krista.ranahan@novascotia.ca  Set No: 4 No. Of Specimens: 3 Date Cast: 20 Jan 2020  Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Specimen Date Age At Test Average Cyl Density Maximum Compressive Failure	
Tested (Days) Diameter(mm) kg/m³ Load (kN) Strength (MPa) Type	
A 27 Jan 2020 <b>7</b> 102 2315 195 <b>23.9</b> A	X
	山
C 17 Fob 2020 20 102 2324 249 20 F 1 102	$\overline{\mathbb{Z}}$
	Ī
	$\overline{\mathbf{M}}$
Specified Properties Test Information Sample pickup at Si	
Strength @28 days(MPa): 25 Conc Temp <sup>o</sup> C 18.0 Slump (mm) 60/95 Date: 21 Jan 20	
Slump (mm): 80 +/- 20   Air Temp C: -2.5   Air(%): 2.9/5.1   Time: 9:00	
Air (%): 6 +/- 1 Cast Time: 15:25 Cast By: MTL Rec'd Sample at La	
Max Agg Size (mm): 20 Initial curing Temp (CSA: 15 - 25 C) Date: 21 Jan 20	)20
Supplier Information Initial curing Temp (CSA: 15 - 25 C) Time: 10:30  Minimum: 12 Maximum: 20	
Supplier: Casey Metro Initial Curing Conditions :	
Batch Time: 14:36 Inside curing box inside trailer	
Truck No.: 34CM Test samples cast in reusable hard plastic moulds.	
Ticket No.: 103665 Section: Strip Footings	
Strength Delivered: 25 (MPa) Location: Grid Line: A ( 2-5 )	
WIX NO: C25F1D1	
Load Vol: 8.00 m <sup>3</sup> Cum Vol: 8.00 m <sup>3</sup>	
Additives:	
/ MMINTED.	
Next 🗔	
Heat ✓ Superplasticizer ☐ Field Test results reported on site.  Silica fume ☐ Flyash ☐	

Standby:

1.5

Record No 50501

Water Reducer Accelerators

H2O Added Authorized B

Englobe Tech: Joel #1

PERITE Sulph

Extra Airs: 1

CCIL CSA CERTIFIED LABORATORY FOR TESTING

Extra Slumps: 1



97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

CI	lie	nt:

Nova Scotia Transportation And Infrastructure Renewal

PO Box 186, 1672 Granville Street

Halifax, Nova Scotia

B3J 2N2

Attn: Krista Ranahan, P.Eng.

Fax

Project: FO1-55-02-01 - JL IIsley High School Concrete

**Testing** 

Our Project No.:

02000061.000.001

**Client Contract No.:** 

4600019710

Client PO.:

Contractor:

CC:

Marco Maritimes

Fax

Email krista.ranahan@novascotia.ca

	esung				ota.rariari	anwinovasco		
Set No:	5 <b>No.</b>	Of Specimens	s: 5		1	Date Cast: 20	) Jan 2020	
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressi Strength (MI		
A	27 Jan 2020	7	102	2276	198	24.2	А	AX
В	17 Feb 2020	28	102	2269	237	29.0	A	國
С	17 Feb 2020	28	102	2270	241	29.5	A	
D	16 Mar 2020	AP	102				^	
E	16 Mar 2020	AP	102					EII
								F
<u>s</u>	pecified Proper	rties		Test Informat	ion		Sample pick	up at Site :
Strength @	28 days(MPa):	28	Conc Temp <sup>o</sup> C	14.5 Slur	np (mm) 130	)/150		1 Jan 2020
Slump (mm	):	80 +/- 20	Air Temp <sup>o</sup> C:	-3.5 Air(	%): 4.5/6	6.4	Time: 9	:00
Air (%):		6 +/- 1	Cast Time:	16:25 Cas	t By: MTL		Rec'd Samp	
Max Agg Siz	ze (mm):	20	. 3540 14	- (00			_	1 Jan 2020
Si	upplier Informa	tion	Minimum	ing Temp (CS : 12 Maxim	A: 15 - 25 C) um: 20		Time: 1	0:30
Supplier:	Casey Metro		Initial Curing Co	onditions :				
Batch Time	: 15:11		_	box inside traile	r			
Truck No.:	38CM		Test samples cas	st in reusable hard	I plastic moulds			
Ticket No.:	103670			trical Ductban				
	livered: 28	(MPa)	Location: Sect					
Mix No:		0	2004.011. 000					
Load Vol:	6.00	m <sup>3</sup>						
Cum Vol:	6.00	m °	Comments:					
•	Additives:							
Heat	Superplast	icizer 🗹	Field	d Test results r	eported on s	site.		
Silica fume	☐ Flyash							
Set Retarder	Air Entrainr	ment 🗸						
Water Reduce	r 🗌 Accelerator	s 🗆						
H2O Added	☐ Authorized E	3			Extra	a Airs: 1	Extra Slump	s: 1
			I					

Standby:

1,5

Record No 50503

Englobe Tech:

Joel #3

PER PA Allh

CCIL CSA CERTIFIED LABORATORY FOR TESTING



97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

OF TROOF AV	Ei, BARTINGOTTI, I	1.0. DOD EAT - 11	LL (902) 400-0400	AX 400-4313					
Client:				Our Projec	t No.:	02000061.0	00.00	01	
Nova Scotia	a Transportation	And Infrastru	cture Renewal	Client Con	tract No.:	4600019710	0		
PO Box 186	6, 1672 Granville	Street		Client PO.:					
Halifax, Nov				Contractor		Marco Marit	times		
B3J 2N2			CC	:			Fax		
Attn: Krist	a Ranahan, P.E	ng.							
Fax									
	FO1-55-02-01 - J esting	IL IIsley High S	School Concrete	Email	krista.ranah	an@novasco	otia.ca	<b>a</b>	
Set No:	25 <b>No</b> .	Of Specimens	: 5			Date Cast: 0	7 Feb	2020	
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compress Strength (M		Failure Type	
Α	14 Feb 2020	7	102	2309	141	17.3			AX
В	06 Mar 2020	28	102	2307		17.0		A	國
c	06 Mar 2020	28	102	2302					
D	03 Apr 2020	AP	102						
E	03 Apr 2020	AP	102	)					
_	00 Apr 2020	Α'	102						F
S	pecified Proper	rties		Test Informat	ion		Sam	nlo niekum	
8	28 days(MPa):	25	Conc Temp℃		mp (mm) 95			ple pickup ate:	at Site :
Slump (mm	):	80 +/- 20	Air Temp℃:	-2 Air(	<b>%):</b> 5.7		Ti	ime :	
Air (%):		6 +/- 1	Cast Time:	10:50 Cas	t By: MTL		-50000	'd Sample	at Lab:
Max Agg Si	ze (mm):	20	Initial curi	ing Temp (CS	A: 15 - 25 C)			ate : me :	
Sı	upplier Informa	tion	Minimum	: Maxim	um:				
Supplier:	Casey Metro		Initial Curing Co	onditions :					
Batch Time	: 10:00		Inside curing	box inside traile	r				
Truck No.: Ticket No.:	37CM		Test samples cas	st in reusable hard	d plastic moulds	47			
Strength De	104092 elivered: 25	(MPa)	Section: Four	ndation Wall		_			
Mix No:	C30F100	(IVIPa)	Location: A(10	)-12)					
Load Vol:	6	m <sup>3</sup>							
Cum Vol:	6	m <sup>3</sup>							
	Additives:		Comments:						
Heat	✓ Superplast	ticizer 🗌	Field	d Test results r	reported on s	site.			
Silica fume	☐ Flyash		7 day compre		•		ted h	ased on	typical
Set Retarder	Air Entrain	ment 🗹	strength gains						-2 la . a m.
Water Reduce	er 🗌 Accelerator	rs 🗆							
<b>H2O Added</b>	☐ Authorized I	В							

Record No 50671 Englobe Tech: Jamie Abraham PER Phy LABORATORY FOR TESTING

For testing conducted by this company, procedures are carried out in accordance with CSA-A23.2. Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of test results is provided only on request.

CCIL CSA CERTIFIED

Project manager: Peter Salah

Standby:

0



Englobe Tech:

TP1

Record No 50690

# CONCRETE TEST REPORT

LABORATORY FOR TESTING

97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

Client:				Our Projec	t No.:	02000061.0	00.00	01	
Nova Scotia	a Transportation	And Infrastru	cture Renewal	Client Con	tract No.:	460001971	0		
PO Box 186	6, 1672 Granville	Street		Client PO.:					
Halifax, Nov	/a Scotia			Contractor	:	Able Equip	ment		
B3J 2N2			cc	:			Fax		
Attn: Krist	a Ranahan, P.E	ng.							
Fax									
	O1-55-02-01 - J esting	IL IIsley High S	School Concrete	Email	krista.ranah	an@novasco	otia.ca	a	
Set No:	26 <b>No</b> .	Of Specimens	s: 4			Date Cast: 1	0 Feb	2020	
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compress Strength (N		Failure Type	
Α	13 Feb 2020	3	102	2325	146	17.9		Α	AX
В	17 Feb 2020	7	102	2315	195	23.9		A	ВД
С	09 Mar 2020	28	102	2318				^	
D	09 Mar 2020	28	102	2326					
									EM F
<u>s</u>	pecified Proper	rties	-	Test Informat	ion		Sam	ple pickup	at Site :
Strength @	28 days(MPa):	25	Conc Temp <sup>o</sup> C	19 Slur	<b>np (mm)</b> 100	)		the second second	eb 2020
Slump (mm	):	80 +/- 20	Air Temp <sup>o</sup> C:	0 <b>Air</b> (	<b>%):</b> 6.4			i <b>me:</b> 12:0	-
Air (%):		6 +/- 1	Cast Time:	13:42 Cas	t By: Engl	obe		'd Sample	
Max Agg Si	ze (mm): upplier Informa	20	Initial curi Minimum	ing Temp (CS				ate: 11 Fo me: 14:0	eb 2020 10
Supplier:		LIOII	20.0001818882000	, , , , , , , , , , , , , , , , , , , ,	um:				
Batch Time	Casey Metro : 12:43		Initial Curing Co		_				
Truck No.:	39CM		_	box inside traile					
Ticket No.:	104117		Test samples cas	st in reusable hard	d plastic moulds				
Strength De	livered: 25	(MPa)	Section:						
Mix No:	C25F1D1		Location: Wal		e 1 A to D ar	id line d from	1 to	3.1 m tow	ards
Load Vol:	6.5	m <sup>3</sup>		۷.					
Cum Vol:	6.5	m <sup>3</sup>	Comments:						
	Additives:								
Heat	Superplast	icizer	Field	d Test results i	eported on s	site.			
Silica fume	☐ Flyash								
Set Retarder	☐ Air Entraini								
Water Reduce	=								
H2O Added	☐ Authorized I	3							
Standby:	0	aha Tashi -		DES!	4111	CCIL CSA	CERT	TIFIED	- CTINO

For testing conducted by this company, procedures are carried out in accordance with CSA-A23.2. Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of test results is provided only on request.

N/A - Not Applicable or Not Available

Project manager: Peter Salah



97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

CI	iei	nt:
NI.		0-

Nova Scotia Transportation And Infrastructure Renewal

PO Box 186, 1672 Granville Street

Halifax, Nova Scotia

B3J 2N2

Attn: Krista Ranahan, P.Eng.

Fax

Project: FO1-55-02-01 - JL IIsley High School Concrete

Testing

Our Project No.:

02000061.000.001

Client Contract No.:

4600019710

Client PO.:

Contractor:

CC:

Able Equipment

Fax

Email krista.ranahan@novascotia.ca

	resung									
Set No:	27 <b>No.</b>	Of Specimens	s: 5			Date Cast: 1	0 Feb	2020		
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compress Strength (M		Failure Type		
Α	17 Feb 2020	7	102	2390	204	25.0		А	AX	
В	09 Mar 2020	28	102	2384					BU	
c	09 Mar 2020	28	102	2383					C	
D	06 Apr 2020	AP	102							
E	06 Apr 2020	AP	102						EIII	
			y-						F	
<u>s</u>	pecified Proper	rties		Test Informat	ion		Sam	ple pickup	at Site :	
Strength @:	28 days(MPa):	25	Conc Temp <sup>o</sup> C	14.0 Slur	mp (mm) 100	)			eb 2020	
Slump (mm)	):	80 +/- 20	Air Temp <sup>o</sup> C:	0 <b>Air</b> (	<b>%):</b> 1.7		Ti	ime: 12:0	0	
Air (%):		No AEA	Cast Time:	14:45 Cas	t By: Engl	obe		'd Sample		
Max Agg Siz	ze (mm):	20		- 400	_				eb 2020	
Sı	upplier Informa	tion	Minimum	Initial curing Temp (CSA: 15 - 25°C)  Minimum: Maximum:  Time: 14:00						
Supplier:	Casey Metro		Initial Curing Co	onditions :						
Batch Time	: 13:45		Inside curing	box inside traile	r					
Truck No.:	20CM		Test samples cas	st in reusable hard	d plastic moulds	i.				
Ticket No.:	104120		Section:							
_	elivered: 25	(MPa)	Location: Two	sections of st	rin footing or	n line 14 Ash	ort s	ection he	tween	
Mix No:	C25F100	3		and Y6, anothe					WCCII	
Load Vol:	2.0	m 3								
Cum Vol:	2.0	m̃	Comments:							
	Additives:									
Heat	✓ Superplast	icizer 🔲	Field	d Test results r	reported on s	site.				
Silica fume	└─ Flyash									
Set Retarder	Air Entrainr	ment 🔲								
Water Reduce	er 🗌 Accelerator	s 🔲								
H2O Added	☐ Authorized B	3								

Standby:

0

Record No 50692

Englobe Tech:

TP3

PER PAT John

CCIL CSA CERTIFIED LABORATORY F

LABORATORY FOR TESTING



97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

Client:				Our Project No.:		02000061.000.001			
Nova Scotia Transportation And Infrastru			cture Renewal Client Contract No.:		4600019710				
	6, 1672 Granville		Client PO.:						
Halifax, Nova Scotia			Contractor:		Able Equipment				
B3J 2N2			CC:		Fax				
Attn: Krist	a Ranahan, P.E	na	33.						
Fax									
	-01-55-02-01 - J Testing	IL lisley High	School Concrete <b>Email</b> krista.ranah			nan@novascotia.ca			
Set No:		Of Specimens				ate Cast: 11 Feb 2020			
Specimen		Age At Test		Cyl Density	Maximum	Compress		Failure	
	Tested	(Days)	Diameter(mm)	kg/m <sup>3</sup>	Load (kN)	Strength (N	iPa)	Туре	
Α	18 Feb 2020	7	102	2312	202	24.7		Α	AX
В	10 Mar 2020	28	102	2308				, ,	ВЩ
c	10 Mar 2020	28	102	2308					C
				7					
									F
S	pecified Proper	rties	1	Test Informat	ion			/c 88020	
Strength @28 days(MPa): 25			Conc Temp <sup>o</sup> C 19.0 Slump (mm) 100			Sample pickup at Site : Date : 12 Feb 2020			
Slump (mm): 80 +/- 20			Air Temp C: 1 Air(%): 6.2			Date: 12 Feb 2020 Time: 11:00			
		6 +/- 1	Cast Time: 13:49 Cast By: Englok			Boold Comple at Lab			
Max Agg Size (mm): 20		, =9.			Date: 12 Feb 2020				
Supplier Information			Initial curing Temp (CSA: 15 - 25 C)  Minimum: 16 Maximum: 23					5	
Supplier:	Casey Metro		Initial Curing Conditions :						
Batch Time: 12:49			Inside curing box inside trailer						
Truck No.: 31CM									
Ticket No.: 104154			Test samples cast in reusable hard plastic moulds.						
Strength De	elivered: 25	(MPa)	Section:						
Mix No:	C25F1D1		Location: Wall on footing on line D from 1 to 4. Footing on line 14 from A to						
<b>Load Vol:</b> 6.31 m <sup>3</sup>			B. Box footing at lines Y7and X1. Footing for Shearwall 10 adjacent to Y7-X1 box footing.						
Cum Vol:	6.31	m <sup>3</sup>	Comments:		<b>3</b> -				
Additives:			Comments.						
Heat ✓ Superplasticizer			Field Test results reported on site.						
Silica fume Flyash			. i.e.a i est i estata i oportou dir cito.						
Set Retarder	Air Entrainr	ment 🗹							
Water Reduce	er 🗌 Accelerator	s 🗌							
H2O Added	☐ Authorized E	3							

Standby: 0

Record No 50706 Englobe Tech: TP1 PER World CSA CERTIFIED LABORATORY FOR TESTING