



CSA CERTIFIED
LABORATORY FOR TESTING
CONCRETE

CONCRETE PLACEMENT REPORT

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

Our Project 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

FAX:

Email:

krista.ranahan@no

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

Supplier: Casey Metro
Mix No: C27F101E
Date Placed: 10-Jan-20
Formwork: Wood
Method Of Placing: excavator & buc
Weather: Overcast
Vibrators: Whip
Method Of Curing: Tarps
Specified Properties: Strength, @28 Days : 28 MPa, **Slump:** 80 +/- 20 mm **Air:** 6 +/- 1 %

Load No.	Ticket No.	Truck No.	Time Record				Air (%)	Slump (mm)	Temp (C)		Volume		#Cylds Cast
			Batch	Tested	Unload	Elapsed			Conc	Air	Load	Cum.	
1	103494	38CM	12:53	13:45			5.5	115	24.5	1	3.5	3.5	5

Section: Duct Bank

Location: Parallel to walkway on west side of site

Comments Concrete contained superplasticizer for higher allowable slump.

Field Test results reported on site.

Record No: 29440

Standby:

0

Englobe Tech: Jamie Abraham

PER

B. Calvert

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Project manager : Peter Salah



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

Supplier: Casey Metro

Mix No: C25F1D1

Date Placed: 20-Jan-20

Formwork: Wood

Method Of Placing: Pump

Weather: Cloudy

Vibrators: Whip

Method Of Curing: Insulated Tarps

Specified Properties: Strength, @28 Days : 25 MPa, **Slump:** 80 +/- 20 mm **Air:** 6 +/- 1 %

Load No.	Ticket No.	Truck No.	Time Record				Air (%)	Slump (mm)	Temp (C)		Volume		#Cylds Cast
			Batch	Tested	Unload	Elapsed			Conc	Air	Load	Cum.	
1	103665	34CM	14:36	15:25	16:00	1:24	2.9/5.1	60/95	18.0	-2.5	8.00	8.00	3
2	103667	30CM	14:47	15:40	16:10	1:23	1.9/5.0	85/100	17.0	-2.5	8.00	16.00	2

Section: Strip Footings

Location: Grid Line : A (2-5)

Comments

Field Test results reported on site.

Record No: 29454 **Standby:** 1.5 **Englobe Tech:** Joel DeCoste

PER

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Project manager : Peter Salah



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FAX:

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krista.ranahan@no

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

Supplier: Casey Metro
Weather: Cloudy
Specified Properties: Strength, @28 Days : 28 MPa,
Mix No:
Formwork: Wood
Vibrators: Whip
Date Placed: 20-Jan-20
Method Of Placing: excavator & buc
Method Of Curing: Insulated Tarps
Slump: 80 +/- 20 mm
Air: 6 +/- 1 %

Load No.	Ticket No.	Truck No.	Time Record				Air (%)	Slump (mm)	Temp (C)		Volume		#Cyls Cast
			Batch	Tested	Unload	Elapsed			Conc	Air	Load	Cum.	
1	103670	38CM	15:11	16:25	16:55	1:44	4.5/6.4	130/150	14.5	-3.5	6.00	6.00	5

Section: Electrical Ductbank

Location: Section 5

Comments Concrete contained superplasticizer for higher allowable slump.

Field Test results reported on site.

Record No: 29455 **Standby:** 1.5 **Englobe Tech:** Joel DeCoste

PER

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Project manager : Peter Salah



Englobe

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Client Contract No.: 4600019710

Client PO.:

Contractor: Marco Maritimes

CC:

Fax

Attn: Krista Ranahan, P.Eng.

Fax

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

Email krista.ranahan@novascotia.ca

Set No: 3		No. Of Specimens: 3		Date Cast: 15 Jan 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	22 Jan 2020	7	102	2313	201	24.6	A	<input checked="" type="checkbox"/> A
B	12 Feb 2020	28	102	2318				<input checked="" type="checkbox"/> B
C	12 Feb 2020	28	102	2329				<input checked="" type="checkbox"/> C
								<input checked="" type="checkbox"/> D
								<input checked="" type="checkbox"/> E
								<input checked="" type="checkbox"/> F

Specified Properties	Test Information	Sample pickup at Site :
Strength @28 days(MPa): 28	Conc Temp°C 19 Slump (mm) 150	Date : 16 Jan 2020
Slump (mm): 80 +/- 20	Air Temp°C : -1 Air(%): 5.2	Time : 10:30
Air (%): 6 +/- 1	Cast Time: 13:30 Cast By: MTL	Rec'd Sample at Lab :
Max Agg Size (mm): 20	Initial curing Temp (CSA: 15 - 25° C)	Date : 16 Jan 2020
	Minimum: 11.2 Maximum: 18.9	Time : 11:00
Supplier Information	Initial Curing Conditions :	
Supplier: Casey Concrete Ltd.	Inside curing box inside trailer	
Batch Time: 12:37	Test samples cast in reusable hard plastic moulds.	
Truck No.: 29CM	Section: Duct Bank	
Ticket No.: 103572	Location: Adjacent to existing high school	
Strength Delivered: 28 (MPa)	Comments:	
Mix No: C27F101E	Field Test results reported on site.	
Load Vol: 6.5		
Cum Vol: 6.5		
Additives:		
Heat <input checked="" type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>		
Silica fume <input type="checkbox"/> Flyash <input type="checkbox"/>		
Set Retarder <input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>		
Water Reducer <input type="checkbox"/> Accelerators <input type="checkbox"/>		
H2O Added <input type="checkbox"/> Authorized B		

Standby: 0

Record No 50480 Englobe Tech: Jamie Abraham 1

PER

[Signature]



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N/A - Not Applicable or Not Available

Project manager : Peter Salah