



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:

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
Weather: Overcast
Specified Properties: Strength, @28 Days : 28 MPa,
Mix No: C27101E
Formwork: Wood
Vibrators: Whip
Date Placed: 07-Jan-20
Method Of Placing: excavator & buc
Method Of Curing: Tarps
Slump: 125 +/- 25 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	103442	37	15:37	16:10			1.6/3.5/5.7	110/150	N/A	1	4.78	4.78	3
2	103446	39	16:07	17:00			7.0	130	N/A	1	4.72	9.50	2

Section: Partial Electrical Duct Bank

Location: Starting section from Drysdale

Comments

Field Test results reported on site.

Record No: 29439 **Standby:** 0 **Englobe Tech:** BG

PER

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.

Project manager : Peter Salah

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Attn: Krista Ranahan, P.Eng.

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

Email krista.ranahan@novascotia.ca

Set No: 1		No. Of Specimens: 2		Date Cast: 07 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	14 Jan 2020	7	102		160	19.6	A	<input checked="" type="checkbox"/> A
B	04 Feb 2020	28	102					<input checked="" type="checkbox"/> B
C	04 Feb 2020	28	102					<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	N/A	Slump (mm)	130
Slump (mm):	125 +/- 25	Air Temp°C :	1	Air(%) :	7.0
Air (%) :	6 +/- 1	Cast Time:	17:00	Cast By:	MTL
Max Agg Size (mm):		Initial curing Temp (CSA: 15 - 25° C)			
		Minimum:		Maximum:	
Supplier Information Supplier: Casey Metro Batch Time: 16:07 Truck No.: 39 Ticket No.: 103446 Strength Delivered: 28 (MPa) Mix No: C27101E Load Vol: 4.72 m ³ Cum Vol: 9.50 m ³ 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		Initial Curing Conditions : Inside curing box Test samples cast in reusable hard plastic moulds. Section: Partial Electrical Duct Bank Location: Starting section from Drysdale Comments: Field Test results reported on site.		Rec'd Sample at Lab : Date : Time : Date : Time :	

Standby: 0

Record No 50478 **Englobe Tech:** BG 1

PER

Peter Salah



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N/A - Not Applicable or Not Available

Project manager : Peter Salah

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PO Box 186, 1672 Granville Street
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B3J 2N2

Our Project No.: 02000061.000.001

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: 2		No. Of Specimens: 5		Date Cast: 10 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	17 Jan 2020	7	102		232	28.4	A	<input checked="" type="checkbox"/>
B	07 Feb 2020	28	102	2356				<input checked="" type="checkbox"/>
C	07 Feb 2020	28	102	2352				<input checked="" type="checkbox"/>
D	06 Mar 2020	AP	102					<input checked="" type="checkbox"/>
E	06 Mar 2020	AP	102					<input checked="" type="checkbox"/>

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	28	Conc Temp°C	24.5	Slump (mm)	115
Slump (mm):	80 +/- 20	Air Temp°C :	1	Air(%) :	5.5
Air (%) :	6 +/- 1	Cast Time:	13:45	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25°C)		Rec'd Sample at Lab :	
		Minimum: 8.3 Maximum: 20.2		Date : 13 Jan 2020	
		Initial Curing Conditions :		Time : 8:30	
		Inside curing box inside trailer		Rec'd Sample at Lab :	
		Test samples cast in reusable hard plastic moulds.		Date : 13 Jan 2020	
				Time : 9:30	

Supplier Information		Section: Duct Bank	
Supplier:	Casey Metro	Location: Parallel to walkway on west side of site	
Batch Time:	12:53		
Truck No.:	38CM		
Ticket No.:	103494		
Strength Delivered:	28 (MPa)		
Mix No:	C27F101E		
Load Vol:	3.5		
Cum Vol:	3.5		
Additives:		Comments:	
Heat <input checked="" type="checkbox"/>	Superplasticizer <input checked="" type="checkbox"/>	Field Test results reported on site.	
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 50479 **Englobe Tech:** Jamie Abraham

PER *3 Colwell*



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N/A - Not Applicable or Not Available

Project manager : Peter Salah