

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

Client:

Nova Scotia Transportation & Infrastructure Renewal
449 Jubilee Road PO Box 409
Bridgewater, NS
B4V 2X6

Our Project No.:

02000061.002.0001.0001

Client Contract No.:
Client PO.:
Contractor:

Casey Concrete

CC:
Fax
Attn: Lyle Russell

Fax
Project: NSTIR - 2019-148 - Highway 101 Twinning

Email lyle.russell@novascotia.ca

Set No: 21		No. Of Specimens: 2		Date Cast: 19 May 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	16 Jun 2020	28	102	2335	487	59.6	A	<input checked="" type="checkbox"/> A
B	16 Jun 2020	28	102	2338	482	59.0	A	<input checked="" type="checkbox"/> B <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):	35	Conc Temp°C	17	Date :
Slump (mm):	652 +/- 50	Slump (mm)	600	Time :
Air (%):	5 - 8	Air Temp°C :	14	Rec'd Sample at Lab :
Max Agg Size (mm):	14	Air(%):	6.1	Date :
		Cast Time:	13:00	Time :
		Cast By:	MTL	
		Initial curing Temp (CSA: 15 - 25° C)		
		Minimum:	Maximum:	
Supplier Information		Initial Curing Conditions :		
Supplier:	Casey Concrete Ltd.	Inside curing box		
Batch Time:	11:51	Test samples cast in reusable hard plastic moulds.		
Truck No.:	32			
Ticket No.:	45100			
Strength Delivered:	35 (MPa)	Section: Precast MSE panels.		
Mix No:	SCC	Location: 14 panels.		
Load Vol:	3.75 m ³			
Cum Vol:	3.75 m ³			
Additives:		Comments: JKD		
Heat	<input 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 51554

Englobe Tech: JKD

PER



CSA CERTIFIED
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.

N/A - Not Applicable or Not Available

Project manager : Peter Salah

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Set No: 22		No. Of Specimens: 2		Date Cast: 20 May 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 Jun 2020	28	102	2380	508	62.2	A	<input checked="" type="checkbox"/> A
B	17 Jun 2020	28	102	2379	500	61.2	A	<input checked="" type="checkbox"/> B <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): 35 Slump (mm): 650 +/- 50 Air (%): 5 - 8 Max Agg Size (mm): 14	Conc Temp°C 16.0 Slump (mm) 600 Air Temp°C : 16 Air(%): 5.0 Cast Time: 13:05 Cast By: MTL Initial curing Temp (CSA: 15 - 25° C) Minimum: Maximum:	Date : Time : Rec'd Sample at Lab : Date : Time :
Supplier Information Supplier: Casey Concrete Ltd. Batch Time: 12:01 Truck No.: 81 Ticket No.: 45189 Strength Delivered: 35 (MPa) Mix No: SCC Load Vol: 4.00 m ³ Cum Vol: 4.00 m ³ Additives: Heat <input 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: MSE wall panels. Location: 14 panels. Comments: JKD	

Standby:

0

Record No 51603

Englobe Tech: JKD

PER



CSA CERTIFIED
LABORATORY FOR TESTING

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N/A - Not Applicable or Not Available

Project manager : Peter Salah