

CONCRETE TEST REPORT

CSA A23.2-9C

97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-49

CSA CERTIFIED LABORATORY FOR TESTING CONCRETE

Client: NOVA SCOTIA DEPARTMENT OF PUBLIC WORKS

1672 Granville St, 3rd Floor

PO Box 186

Halifax, NS B3J 3Z8

Our Project No.: 02102531.169.0100.0101

Contract No.: 2023-166

Client PO.:

4600021503

Contractor:

Attn: Matthew O'Blenis

Email matthew.oblenis@novascotia.ca

Project: NSPW - 2023-166 Thumb Hill Creek Bridge (HAN135A)

Set No: 1		No. Of Specimens: 8				Date Cast: 18 Dec 2023					
Cyl	Date Tested	Age (Days	Avg Diam (mm)	Cyl Mass (kg)	Cyl Density kg/㎡	Max Load (kN)	Compressiv Strength (MF		Failure Type	Failure Types	
Α	21 Dec 2023	3	102	3.701	2269	234	28.6		1	1🖂	
В	24 Dec 2023	6	102	3.801	2271					2	
С	27 Dec 2023	9	102	3.688	2275					TITI I	
D	15 Jan 2024	28	102	3.806	2271					3	
E	15 Jan 2024	28	102	3.699	2260					4	
F	12 Feb 2024	56	102	3.575						5	
G	12 Feb 2024	56	102	3.695						6	
Н		AV	102					•		-t Cita	
Specified Properties				Test Information				Sample pickup at Site : Date : 19 Dec 2023			
28-day Strength (MPa): 35				Conc Temp ^o C				Time: 9:00			
Slump (mm): 180+/-30			Air Temp ⁰ C : 12 Air(%): 6.0				c'd Sample at Lab :				
Air (%): 5 - 8			Cast Time: 11:32					ec 2023			
Max Agg Size (mm): 20			Time: 10:00						00		
Supplier Information			Initial curing Temp (CSA: 15 - 25 °C Minimum: 18.0 Maximum: 23.5 Cure Type: Standard Std. Cure?: No								
Supplier: OSCO											
Batch Time: 10:52			Initial Curing Conditions Inside Curing Box w/ Insulation								
Strength Delivered: 35 (MPa)			Test samples cast in reusable hard plastic moulds.								
Mix No:				Section: Abutments							
Load Vol: $7 \frac{m}{3}$				Location:							
Cum	Cum Vol: 7 m Location:										
	Additives:										
Heat ✓ Superplasticizer ✓				Deviations: I- RCP							
Silica		rash									
		Entrainm									
Wate		celerators									
Fiber		11									
Extra Additives											
H2O Added Authorized B											

Set Tag Label: Tm1

Placement Tech: Travis MacKenzie

Record No 66832

Lab Tech:

Pat McNamara

Reviewer Signature