



CONCRETE **PLACEMENT** REPORT

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

Client

Nova Scotia Transportation Infrastructure Renewal

20 Mann St.

Bedford, Nova Scotia

B4A 2W5

OurProject No.

1900239-31-0-001-004

Client Contract No.:

Slump:

Client P.O.: Contractor:

CC:

Fax

ATTENTION: Darren Dennis

PHONE: (902) 424-0054

FAX:

Email:

Project: Burnside Dr. U/P - On-Site Testing

Specified Properties: Strength @ 28 Days:

Mix No:

C451J1A

Date Placed:

12-Jun-20

Supplier: Quality Concrete

Formwork: Wood

Method Of Placing:

Pump

Weather: Cloudy

Vibrators:

Whip

45 MPa,

Method Of Curing:

180+/-30 mm

Air:

5-7 %

	Load No.	Ticket No.	Truck No.	Batch ¹		Record Unload	d Elapsed	Air (%)	Slump (mm)	Temp Conc	(C) Air	Vol Load	ume i	#Cylds Cast
	1	1126196	1183	09:48	10:35	11:20	1:32	6.3	140/155	20.0	17	8.00	8.00	3
Ì	2	1126198	1158	09:38	10:50			8.5	170	20.0	17	6.00	14.00	0
Î	3	1126205	1157	11:08	12:45	12:55	1:47	5.7	150	20.5	16	6.00	14.00	2

Section:

Barrier walls.

Location:

Burnside O/P, north end of overpass, both sides.

Comments Load 2 rejected due to air.

Record No: 30314

Standby:

Englobe Tech: JN

For testing conducted by this company, procedures are carried out in accordance with CSA-A23.2. Reporting of these test results

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constitutes a testing service only. Engineering interpretation or evaluation of test results is provided only on request.

Project manager: Peter Salah



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

Client: Nova Scotia 20 Mann St	a Transportation	Infrastructure	Renewal	Our Projec Client Cont Client PO.:	tract No.:	1900239-31	-0-00)1-004	
Bedford, No	ova Scotia			Contractor	:	Dexter Cons	struct	ion Comp	any Lt
B4A 2W5			CC	:			Fax		
Attn: Darr	en Dennis								
Fax									
Project: E	Burnside Dr. U/P	- On-Site Tes	ting	Email					
Set No:	14 No.	Of Specimens				Date Cast: 20 May 2020			
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressi Strength (M		Failure Type	
A 25 May 2020 5			102	2363	342	41.9		Α	AX
В	27 May 2020	7	102	2348	380	46.5		A	B
С	17 Jun 2020	28	102	2354	448	54.8		A	C
D 17 Jun 2020 28			102	2340	453	55.4		A	
Е	17 Jun 2020	AV	102						EM
F	17 Jun 2020	RC	102						F
	pecified Proper			Test Informati			Sam	ple pickup	at Site :
	28 days(MPa):	45	Conc Temp ^o C 14.0 Slump (mm) 170 Date : 21 May 2020						
Slump (mm):	180+/-30	Air Temp C: 1.0 Air(%): 7.0 Time: 6:30 Cast Time: 07:09 Cast By: MTI Rec'd Sample at L						
Air (%):	70 (mm):	6 +/- 1	Cast Time: 07:09 Cast By: MTL Rec'd Sample at L. Date: 21 May 2						
Max Agg Si	upplier Informa	20		Initial curing Temp (CSA: 15 - 25°C) Time: 7:00					
Supplier:	Quality Concre		Minimum		um: 15.0	-			
Batch Time	=	ete.	Initial Curing Co						
Truck No.:	1178		Test samples cas		l minetie mende				
Ticket No.:	1125358			ge Deck Burns	·				
Strength De	elivered: 45	(MPa)	Location: Cylin	_					
Mix No:		2	Location, Cylin	ideis cast eve	ry bolvi as iri	icks arriveu.			
Load Vol:	8.0	m ³							
Cum Vol:	16.0	m	Comments: TM1	l					
Heat	Additives:		l						
Silica fume		icizer 🗸	total	concrete arriv	ed on site wa	as 3/6.0 M			
Set Retarder	☐ Air Entrainr								
Water Reduce									
H2O Added									

Travis MacKenzie

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CCIL CSA CERTIFIED

LABORATORY FOR TESTING

Standby:

Record No 51560

0

Englobe Tech:



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

Client: Nova Scotia 20 Mann St	a Transportation	Infrastructure	Renewal	Our Projec Client Cont Client PO.:	tract No.:	1900239-31	-0-00)1-004	
Bedford, No				Contractor	:	Dexter Cons	struct	ion Comp	any Lt
B4A 2W5			CC:				Fax		
Attn: Darre	en Dennis								
Fax									
Project: B	Burnside Dr. U/P	- On-Site Tes	ting	Email					
Set No:	15 No .	Of Specimens	: 4		J	Date Cast: 20	0 Ma	y 2020	
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compress Strength (M		Failure Type	
Α	25 May 2020	5	102	2287	289	35.4		Α	AX
В	27 May 2020	7	102	2284	334	40.9		A	В
c	17 Jun 2020	28	102	2280	402	49.2		A	C
D	17 Jun 2020	28	102	2293	409	50.1		Α	D
									EM F
S	pecified Proper	ties		Test Informat	ion		Sam	ple pickup	at Site :
Strength @	28 days(MPa):	45	Conc Temp ^o C 14.0 Slump (mm) 170 Date: 21 May 2020						
Slump (mm):	180+/-30	Air Temp C: 2.0 Air(%): 7.0 Time: 6:30						
Air (%):	70 (mm):	6 +/- 1	Cast Time: 08:30 Cast By: MTL Rec'd Sample at Lab: Date: 21 May 2020					CFF(19-00-00-00-00)/.	
Max Agg Siz	upplier Informa	20 tion	Initial curi Minimum	ing Temp (CS	A: 15 - 25[°] C) um: 15.0		Ti	me: 7:00	-
Supplier:	Quality Concre		Initial Curing Co		uiii. 15.0				
Batch Time	=	3.0	Inside curing						
Truck No.:	1174		ľ	st in reusable hard	I plastic moulds				
Ticket No.:	1210981			ge Deck Burns					
Strength De	livered: 45	(MPa)	Location: Cylir	_		•			
Mix No:		3			,,				
Load Vol: Cum Vol:	8.0 80.0	m m							
	Additives:		Comments: TM3	3					
Heat	Superplast	icizer	total	concrete arriv	ed on site w	as 376 0 M			
Silica fume	Flyash	V		Sonorcie arriv	Cu On Sile Wi	45 07 0.0 IVI			
Set Retarder	Air Entrainr	ment 🔽							
Water Reduce	er 🗹 Accelerator	s							
H2O Added	Authorized E	3							

Standby:

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Record No 51572

Englobe Tech:

Travis MacKenzie







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

Client:				Our Projec		1900239-31	-0-00	01-004		
Nova Scotia	a Transportation	Infrastructure	Renewal	Client Conf						
20 Mann St				Client PO.:						
Bedford, No	ova Scotia			Contractor	:	Dexter Cons	struct	tion Comp	oany Lt	
B4A 2W5			CC	:			Fax			
Attn: Darr	en Dennis									
Fax										
Project: E	Burnside Dr. U/P	- On-Site Tes	sting	Email						
Set No:	16 No.	Of Specimens	s: 4	: 4 D			Date Cast: 20 May 2020			
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressi Strength (M		Failure Type		
Α	25 May 2020	5	102	2354	349	42.7		Α	AX	
В	27 May 2020	7	102	2346	382	46.7		A	вД	
С	17 Jun 2020	28	102	2368	452	55.3		A	C	
D	17 Jun 2020	28	102	2353	445	54.5		A		
									E//	
<u>s</u>	pecified Proper	rties .		Test Informat	ion	1	Sam	ple pickup	at Site :	
Strength @	28 days(MPa):	45	Conc Temp ^o C 16.0 Slump (mm) 180 Date: 21 May 2020							
Slump (mm):	180+/-30	Air Temp ^o C : 7.0 Air(%): 6.8 Time : 6:30							
Air (%):		6 +/- 1	Cast Time: 09:30 Cast By: MTL Rec'd Sample at La							
Max Agg Si	ze (mm):	20	Initial curing Temp (CSA: 15 - 25 C) Time: 7:00							
S	upplier Informa	tion	Minimum		um: 15.0	1		7.00		
Supplier:	Quality Concre	ete	Initial Curing Co	onditions :						
Batch Time	: 08:40		Inside curing	box						
Truck No.: Ticket No.:	1178		Test samples cas	st in reusable hard	d plastic moulds	<u></u>				
Strength De	1125367 elivered: 45	(MPa)	Section: Brid	ge Deck Burns	side Drive un	derpass				
Mix No:	invered. 40	(IVIF a)	Location: Cylin	nders cast eve	ry 50M as tru	ucks arrived.				
Load Vol:	8.0	m ³								
Cum Vol:	104.0	m ³	TMF	5						
	Additives:		Comments: TM5	,						
Heat	Superplast	icizer	total	concrete arriv	ed on site w	as 376.0 M				
Silica fume	✓ Flyash	•			ono 11					
Set Retarder	Air Entrain	ment 🔽								
Water Reduce	er 🗹 Accelerator	s								
H2O Added	Authorized I	3								

Travis MacKenzie

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LABORATORY FOR TESTING

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Englobe Tech:

Standby:



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

Client: Nova Scotia 20 Mann St	a Transportation	Infrastructure	Client PO.:		1900239-31-0-001-004				
Bedford, No	ova Scotia			Contractor	:	Dexter Construction Company Lt			
B4A 2W5			CC	:		F	Fax		
Attn: Darr	en Dennis								
Fax									
Project: E	Burnside Dr. U/P	- On-Site Tes	iting	Email					
Set No:	17 No.	Of Specimens	: 4		1	Date Cast: 20	May 2020		
Specimen Date Age At Test Tested (Days)			Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressiv Strength (MP			
Α	25 May 2020	5	102	2311	353	43.2	А	AX	
В	27 May 2020	7	102	2316	407	49.8	A	BU	
С	17 Jun 2020	28	102	2309	490	60.0	A		
D	17 Jun 2020	28	102	2325	483	59.1	A		
<u>s</u>	pecified Proper	rties		Test Informati	ion		Sample pickup	at Site :	
Strength @	28 days(MPa):	45	I .		np (mm) 195		Date: 21 I	May 2020	
Slump (mm):	180+/-30	Air Temp C: 9.0 Air(%): 6.5 Time: 6:30 Cast Time: 10:15 Cast By: MTI Rec'd Sample at Lab:						
Air (%):		6 +/- 1	Cast Time:	10:15 Cast	t By: MTL				
Max Agg Si		20	Initial curing Temp (CSA: 15 - 25°C) Date: 21 May 20 Time: 7:00						
	upplier Informa		Minimum: 8.5 Maximum: 15.0						
Supplier:	Quality Concre	ete	Initial Curing Co						
Batch Time			Inside curing	box					
Truck No.: Ticket No.:	1134 1125372		Test samples cas						
Strength De		(MPa)	Section: Brid	ge Deck Burns	side Drive un	derpass			
Mix No:		(🗷)	Location: Cylin	nders cast eve	ry 50M as tru	ucks arrived.			
Load Vol:	8.0	m ³							
Cum Vol:	144.0	m ³	Comments: TM7	,					
	Additives:		Comments.						
Heat	Superplast	icizer 🗸	total	concrete arriv	ed on site w	as 376.0 M			
Silica fume	✓ Flyash	✓							
Set Retarder	Air Entraini								
Water Reduce	_	rs 📙							
H2O Added	Authorized I	3							
Standby:	0				712	(Serv.) 004.0	PEDTIFIED		

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.

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Travis MacKenzie

Englobe Tech:



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

	THE COST AVER, DARKTHIOUTH, INC. DUD EAT - TEE (UUE) TUU-UTUU TAA TUU-UTUU									
Client:				Our Projec	t No.:	1900239-31-0	0-001-004			
Nova Scotia	a Transportation	Infrastructure	Renewal	Client Con	tract No.:					
20 Mann St				Client PO.:						
Bedford, No				Contractor	:	Dexter Const	ruction Comp	any Lt		
B4A 2W5			СС	:		Fax				
Attn: Darr	en Dennis									
Fax										
Project: E	Burnside Dr. U/P	- On-Site Tes	sting	Email						
Set No:	18 No .	Of Specimens	s: 4 Da			Date Cast: 20	May 2020			
Specimen	Date	Age At Test		Cyl Density	Maximum	Compressiv				
	Tested	(Days)	Diameter(mm)	kg/m ³	Load (kN)	Strength (MP	a) Type			
Α	25 May 2020	5	102	2362	382	46.7	A	AX		
В	27 May 2020	7	102	2362	416	50.9	A	BU		
С	17 Jun 2020	28	102	2364	511	62.5	l a l	C		
D	17 Jun 2020	28	102	2358	505	61.8	A			
								EIII		
								F		
<u>s</u>	pecified Proper	rties		Test Informati	ion		Sample pickup	at Site :		
Strength @	28 days(MPa):	45	Conc Temp ^o C 16.0 Slump (mm) 160 Date: 21 May					lay 2020		
Slump (mm):	180+/-30	Air Temp C: 12.0 Air(%): 5.3 Time: 6:30					F1300 - 60		
Air (%):		6 +/- 1	Cast Time: 11:10 Cast By: MTL Rec'd Sample at La							
Max Agg Si	ze (mm):	20	 	ing Temp (CS	Δ· 15 - 25 ⁰ C)		Date: 21 M	ay 2020		
S	upplier Informa	tion	Minimum	: 8.5 Maxim	um: 15.0		Time . 7:00			
Supplier:	Quality Concre	ete	Initial Curing Co	onditions :						
Batch Time	: 10:16		Inside curing	box						
Truck No.:	1175		Test samples cas	st in reusable hard	l plastic moulds					
Ticket No.:	1210990	(MD-)	Section: Brid	ge Deck Burns	side Drive un	derpass				
Strength De	elivered: 45	(MPa)	Location: Cylin	nders cast eve	ry 50M as tru	ucks arrived.				
Mix No:		3			•					
Load Vol: Cum Vol:	8.0 192.0	m m								
	Additives:	111	Comments: TM9)						
Heat										
Silica fume	☐ Superplast✓ Flyash	icizer 🗸	total	concrete arriv	ed on site wa	as 3/6.0 M				
Set Retarder	Air Entrainr									
Water Reduce		_								
H2O Added	☐ Authorized E	3								
Standby:	0					CCILL CSA C				

Travis MacKenzie

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LABORATORY FOR TESTING

Englobe Tech:



Nova Scotia Transportation Infrastructure Renewal

Client:

CONCRETE **TEST REPORT**

1900239-31-0-001-004

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

20 Mann St									
Bedford, No				Contractor	:	Dexter Cons	struct	tion Comp	oany Lt
B4A 2W5			cc	:			Fax		
Attn: Darr	en Dennis								
Fax									
Project: E	Burnside Dr. U/P	- On-Site Tes	sting	F!!					
				Email					
Set No:	19 No .	Of Specimens	s: 4			Date Cast: 20 May 2020			
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressi Strength (M		Failure Type	
Α	25 May 2020	5	102	2326	336	41.1		А	AX
В	27 May 2020	7	102	2338	363	44.4		A	BU
С	17 Jun 2020	28	102	2329	420	51.4		A	C
D	17 Jun 2020	28	102	2334	415	50.8		A	
									ΕM
									F
-	pecified Prope	rties		Test Informat			Sam	ple pickup	at Site :
	28 days(MPa):	45	Conc Temp ^o C		mp (mm) 165	j		ate: 21 N	1.0
Slump (mm):	180+/-30	7.11 Tomp 0 1 10.0 All (70). 0.0					ime : 6:30	
Air (%):	()·	6 +/- 1	Cast Time: 12:30 Cast By: MTL Rec'd Sample at Lab Date: 21 May 2020						
Max Agg Si		20	Initial curing Temp (CSA: 15 - 25°C) Time: 7:00						
	upplier Informa	===	Minimum: Maximum:						
Supplier: Batch Time	Quality Concrete: 11:55	ete	Initial Curing Conditions :						
Truck No.:	1171		Inside curing						
Ticket No.:	1210995			st in reusable hard					
Strength De	elivered: 45	(MPa)		ge Deck Burns		•			
Mix No:			Location: Cylin	nders cast eve	ery 50M as tro	ucks arrived.			
Load Vol:	8.0	m ³	1						
Cum Vol:	16.0	m J	Comments: TM1	11					
	Additives:								
Heat	Superplast		total	concrete arriv	ed on site w	as 376.0 M			
Silica fume	✓ Flyash		1						
Set Retarder	☐ Air Entrain Accelerator	80							
Water Reduce H2O Added									
	Authorized								
Standby:	0					CSA CSA	CERT	TIEIED	
Record No	51574 Engl	obe Tech:	Travis MacKenzie	PFR 2	Du	LABO	DRAT	ORY FOR 1	ESTING

Our Project No.:

Client Contract No.:

Travis MacKenzie

Englobe Tech:



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

Client: Nova Scotia 20 Mann St	a Transportation	Infrastructure	Renewal	Our Projec Client Con Client PO.:	tract No.:	1900239-31-0-001-004			
Bedford, No				Contractor	:	Dexter Cons	struct	tion Comp	any Lt
B4A 2W5			CC	:			Fax		
Attn: Darre	en Dennis								
Fax									
Project: B	Burnside Dr. U/P	- On-Site Tes	sting	Email					
Set No:	20 No .	Of Specimens	s: 4	4 Date Cas			0 Ma	y 2020	
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressi Strength (M		Failure Type	
Α	25 May 2020	5	102	2368	368	45.0		Α	AX
В	27 May 2020	7	102	2375	415	50.8		A	BU
С	17 Jun 2020	28	102	2360	502	61.4		A	C
D	17 Jun 2020	28	102	2377	511	62.5		Α	
1									E/\\ F
	pecified Proper	rties		Test Informat			Sam	ple pickup	at Site :
	28 days(MPa):	45	Conc Temp C 22.0 Slump (mm) 130/150 Date: 21 May 2020 Air Temp C: 15.0 Air (%): 4.5/5.0 Time: 6:30						
Slump (mm):	180+/-30 6 +/- 1	Pacid Sample at Lab						
Air (%): Max Agg Si	ze (mm):	20	Cast Time: 16:00 Cast By: MTL Rec'd Sample at Lab Date: 21 May 202						
	upplier Informa		Initial curi Minimum	Initial curing Temp (CSA: 15 - 25°C) Minimum: 8.5 Maximum: 15.0					
Supplier:	Quality Concre	ete	Initial Curing Co	onditions :					
Batch Time	: 14:38		Inside curing	box					
Truck No.: Ticket No.:	1171		Test samples cas	st in reusable hard	d plastic moulds	•			
Strength De	1125393 elivered: 45	(MPa)	Section: Brid	ge Deck Burns	side Drive un	derpass			
Mix No:	ilvered. 40	(IVII-a)	Location: Cylin	nders cast eve	ry 50M as tru	ucks arrived.			
Load Vol:	8.0	m ³							
Cum Vol:	296.0	m ³	Comments: TM1	13					
	Additives:		Comments.						
Heat	Superplast		total	concrete arriv	ed on site w	as 376.0 M			
Silica fume	✓ Flyash	~							
Set Retarder	Air Entrain	-							
Water Reduce									
H2O Added	☐ Authorized I	В							

Travis MacKenzie

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LABORATORY FOR TESTING

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Englobe Tech:

Standby:



Client:

CONCRETE **TEST REPORT**

LABORATORY FOR TESTING

1900239-31-0-001-004

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

Nova Scotia	a Transportation	Infrastructure	Renewal	Client Con	tract No.:					
20 Mann St				Client PO.:						
Bedford, No	ova Scotia			Contractor	:	Dexter Cons	struct	tion Comp	oany Lt	
B4A 2W5			CC	•		Fax				
Attn: Darr	en Dennis									
Fax										
Project: F	Burnside Dr. U/P	- On-Site Tes	stina							
	741110140 D11 O71	011 0110 100	,g	Email						
Set No:	21 No.	Of Specimens	s: 4	i	Date Cast: 20) Ma	y 2020			
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compressi Strength (M		Failure Type		
Α	25 May 2020	5	102	2396	390	47.7		Α	AX	
В	27 May 2020	7	102	2380	420	51.4		A	ВД	
С	17 Jun 2020	28	102	2377	515	63.0		A	C	
D	17 Jun 2020	28	102	2256	511	62.5		A		
									EM	
			100 E						F	
S	pecified Proper	rties		Test Informat	ion		Sam	ple pickup	at Site :	
Strength @	28 days(MPa):	45	Conc Temp ^o C _{17.0} Slump (mm) 185						lay 2020	
Slump (mm):	180+/-30	Air Temp C: 14.0 Air(%): 5.6 Time: 6:30							
Air (%):		6 +/- 1	Cast Time: 17:55 Cast By: MTL Rec'd Sample at La Date: 21 May 20							
Max Agg Si		20	Initial curing Temp (CSA: 15 - 25°C) Time: 7:00					•		
	upplier Informa	<u>tion</u>	Minimum: 8.5 Maximum: 15.0							
Supplier:	Quality Concre	ete	Initial Curing Co	onditions :						
Batch Time			Inside curing I	box						
Truck No.: Ticket No.:	1171		Test samples cas	st in reusable hard	l plastic moulds	•				
	1125419 elivered: 45	(MPa)	Section: Bride	ge Deck Burns	side Drive un	derpass				
Mix No:		(IVII a)	Location: Cylin	nders cast eve	ry 50M as tru	cks arrived.				
Load Vol:	8.0	m ³								
Cum Vol:	336.0	m ³	Comments: TM1	15						
	Additives:		Comments: 11011							
Heat	Superplast	icizer	total	concrete arriv	ed on site wa	as 376.0 M				
Silica fume	✓ Flyash	~								
Set Retarder	Air Entrainr	ment 🗹								
Water Reduce	ater Reducer 🗹 Accelerators									
H2O Added	Authorized E	3								
Standby:										

Our Project No.:

Travis MacKenzie

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Englobe Tech:



CONCRETE TEST REPORT

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

Client: Nova Scotia 20 Mann St	a Transportation	Infrastructure	Renewal	Our Projec Client Con Client PO.:	tract No.:	1900239-31-0-001-004			
Bedford, No				Contractor		Dexter Cons	struct	tion Comp	any Lt
B4A 2W5			cc	\$		Fax			
Attn: Darr	en Dennis								
Fax									
Project: B	Burnside Dr. U/P	- On-Site Tes	sting	Email					U
Set No:	22 No .	Of Specimens	s: 4					2020	
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m ³	Maximum Load (kN)	Compress Strength (M		Failure Type	
Α	12 Jun 2020	3	102	2384	317	38.8		Α	AX
В	16 Jun 2020	7	102	2384	438	53.6			BU
С	07 Jul 2020	28	102	2381				^	C
D	07 Jul 2020	28	102	2380					
									E/\\
<u>s</u>	pecified Proper	rties		Test Informat	ion		Sam	ple pickup	
Strength @	28 days(MPa):	45	Conc Temp ^o C	19.0 Sl ur	mp (mm) 205		D	ate: 10 J	un 2020
Slump (mm):	180+/-30	Air Temp [©] C : 10.0 Air(%): 5.1 Time : 7:30						
Air (%):		6 +/- 1	Cast Time: 08:30 Cast By: MTL Rec'd Sample at Date: 10 Jun;						
Max Agg Si		20	Initial curing Temp (CSA: 15 - 25°C) Time: 8:00						
	upplier Informa	====	Minimum: 8.5 Maximum: 22.0						
Supplier: Batch Time	Quality Concrete: 07:42	ete	Initial Curing Co						
Truck No.:	1134		Inside curing I						
Ticket No.:	1126025		Test samples cas						
Strength De	elivered: 45	(MPa)		iide barrier wa					
Mix No:			Location: norti	n side every of	ther barrier				
Load Vol:	8.0	m ³							
Cum Vol:	8.0	m	Comments: TM1						
	Additives:	-							
Heat	Superplast								
Silica fume Set Retarder	Flyash	ment 🗸							
Water Reduce	☐ Air Entraini er ☑ Accelerator	1							
	I2O Added ☐ Authorized B								
Standby: Record No 5	0		ravis MacKenzie	PER	Bare	CCIL CSA	CERT ORAT	TIFIED ORY FOR T	ESTING