



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 Infrastructure Renewal  
20 Mann St.  
Bedford, Nova Scotia  
B4A 2W5

**Our Project No.**

1900239-31-0-001-004

**Client Contract No.:****Client P.O.:****Contractor:****CC:**

Fax

**ATTENTION:** Darren Dennis

**PHONE:** (902) 424-0054

**FAX:**

**Email:**

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

**Mix No:** C451J1A **Date Placed:** 12-Jun-20

**Supplier:** Quality Concrete

**Formwork:** Wood

**Method Of Placing:** Pump

**Weather:** Cloudy

**Vibrators:** Whip

**Method Of Curing:**

**Specified Properties: Strength @ 28 Days :** 45 MPa, **Slump:** 180+/-30 mm **Air:** 5 - 7 %

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	1126196	1183	09:48	10:35	11:20	1:32	6.3	140/155	20.0	17	8.00	8.00	3
2	1126198	1158	09:38	10:50			8.5	170	20.0	17	6.00	14.00	0
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:**

0

**Englobe Tech:** JN

**PER**

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Project manager : Peter Salah

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1900239-31-0-001-004

**Client Contract No.:**
**Client PO.:**
**Contractor:**

Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 14		No. Of Specimens: 6		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2363	342	41.9	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2348	380	46.5	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2354	448	54.8	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2340	453	55.4	A	<input checked="" type="checkbox"/>
E	17 Jun 2020	AV	102					<input checked="" type="checkbox"/>
F	17 Jun 2020	RC	102					<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	45	Conc Temp°C	14.0	Slump (mm)	170
Slump (mm):	180+/-30	Air Temp°C :	1.0	Air(%) :	7.0
Air (%) :	6 +/- 1	Cast Time:	07:09	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25°C)		Rec'd Sample at Lab :	
		Minimum: 8.5 Maximum: 15.0		Date : 21 May 2020	
Supplier Information		Initial Curing Conditions :		Time : 6:30	
Supplier: Quality Concrete		Inside curing box		Rec'd Sample at Lab :	
Batch Time: 06:09		Test samples cast in reusable hard plastic moulds.		Date : 21 May 2020	
Truck No.: 1178		Section: Bridge Deck Burnside Drive underpass		Time : 7:00	
Ticket No.: 1125358		Location: Cylinders cast every 50M as trucks arrived.			
Strength Delivered: 45 (MPa)		Comments: TM1			
Mix No:		total concrete arrived on site was 376.0 M			
Load Vol: 8.0 m <sup>3</sup>					
Cum Vol: 16.0 m <sup>3</sup>					
Additives:					
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>				
Silica fume	<input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/>				
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>				
Water Reducer	<input checked="" type="checkbox"/> Accelerators <input type="checkbox"/>				
H2O Added <input type="checkbox"/> Authorized B					

**Standby:**

0

**Record No** 51560

**Englobe Tech:** Travis MacKenzie

**PER**



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N/A - Not Applicable or Not Available

Project manager : Peter Salah

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**Our Project No.:**

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**Client Contract No.:**
**Client PO.:**
**Contractor:**

Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 15		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2287	289	35.4	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2284	334	40.9	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2280	402	49.2	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2293	409	50.1	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	45	Conc Temp°C	14.0	Slump (mm)	170
Slump (mm):	180+/-30	Air Temp°C :	2.0	Air(%):	7.0
Air (%):	6 +/- 1	Cast Time:	08:30	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25°C)		Rec'd Sample at Lab :	
		Minimum: 8.5 Maximum: 15.0		Date : 21 May 2020	
<b>Supplier Information</b> Supplier: Quality Concrete Batch Time: 07:35 Truck No.: 1174 Ticket No.: 1210981 Strength Delivered: 45 (MPa) Mix No: Load Vol: 8.0 m <sup>3</sup> Cum Vol: 80.0 m <sup>3</sup> Additives: Heat <input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/> Silica fume <input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/> Set Retarder <input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/> Water Reducer <input checked="" type="checkbox"/> Accelerators <input type="checkbox"/> H2O Added <input type="checkbox"/> Authorized B		Initial Curing Conditions :		Time : 6:30	
		Inside curing box		Time : 7:00	
		Test samples cast in reusable hard plastic moulds.			
		Section: Bridge Deck Burnside Drive underpass			
		Location: Cylinders cast every 50M as trucks arrived.			
		Comments: TM3			
		total concrete arrived on site was 376.0 M			

**Standby:**

0

**Record No** 51572

**Englobe Tech:** Travis MacKenzie

**PER**



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N/A - Not Applicable or Not Available

Project manager : Peter Salah

**Client:**

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B4A 2W5

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1900239-31-0-001-004

**Client Contract No.:**
**Client PO.:**
**Contractor:**

Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 16		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2354	349	42.7	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2346	382	46.7	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2368	452	55.3	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2353	445	54.5	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	45	Conc Temp°C	16.0	Slump (mm)	180
Slump (mm):	180+/-30	Air Temp°C :	7.0	Air(%) :	6.8
Air (%) :	6 +/- 1	Cast Time :	09:30	Cast By :	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Rec'd Sample at Lab :	
		Minimum: 8.5 Maximum: 15.0		Date : 21 May 2020	
		Initial Curing Conditions :		Time : 6:30	
		Inside curing box		Rec'd Sample at Lab :	
		Test samples cast in reusable hard plastic moulds.		Date : 21 May 2020	
		Section: Bridge Deck Burnside Drive underpass		Time : 7:00	
		Location: Cylinders cast every 50M as trucks arrived.			
		Comments: TM5			
		total concrete arrived on site was 376.0 M			

  

Supplier Information	
Supplier:	Quality Concrete
Batch Time:	08:40
Truck No.:	1178
Ticket No.:	1125367
Strength Delivered:	45 (MPa)
Mix No:	
Load Vol:	8.0 m <sup>3</sup>
Cum Vol:	104.0 m <sup>3</sup>
Additives:	
Heat <input type="checkbox"/>	Superplasticizer <input checked="" type="checkbox"/>
Silica fume <input checked="" type="checkbox"/>	Flyash <input checked="" type="checkbox"/>
Set Retarder <input type="checkbox"/>	Air Entrainment <input checked="" type="checkbox"/>
Water Reducer <input checked="" type="checkbox"/>	Accelerators <input type="checkbox"/>
H2O Added <input type="checkbox"/>	Authorized B <input type="checkbox"/>

**Standby:**

0

**Record No** 51563

**Englobe Tech:** Travis MacKenzie

**PER**


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N/A - Not Applicable or Not Available

Project manager : Peter Salah

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**Client:**

Nova Scotia Transportation Infrastructure Renewal  
20 Mann St.  
Bedford, Nova Scotia  
B4A 2W5

**Our Project No.:**

1900239-31-0-001-004

**Client Contract No.:**
**Client PO.:**
**Contractor:**

Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 17		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2311	353	43.2	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2316	407	49.8	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2309	490	60.0	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2325	483	59.1	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :
Strength @28 days(MPa):	45	Conc Temp <sup>°C</sup>	15.0	Date : 21 May 2020
Slump (mm):	180+/-30	Slump (mm)	195	Time : 6:30
Air (%):	6 +/- 1	Air Temp <sup>°C</sup> :	9.0	Rec'd Sample at Lab :
Max Agg Size (mm):	20	Air(%):	6.5	Date : 21 May 2020
		Cast Time:	10:15	Time : 7:00
		Cast By:	MTL	
		Initial curing Temp (CSA: 15 - 25 <sup>°C</sup> )		
		Minimum: 8.5 Maximum: 15.0		
		Initial Curing Conditions :		
		Inside curing box		
		Test samples cast in reusable hard plastic moulds.		
		Section: Bridge Deck Burnside Drive underpass		
		Location: Cylinders cast every 50M as trucks arrived.		
		Comments: TM7		
		total concrete arrived on site was 376.0 M		

  

Supplier Information	
Supplier:	Quality Concrete
Batch Time:	09:42
Truck No.:	1134
Ticket No.:	1125372
Strength Delivered:	45 (MPa)
Mix No:	
Load Vol:	8.0 m <sup>3</sup>
Cum Vol:	144.0 m <sup>3</sup>
Additives:	
Heat <input type="checkbox"/>	Superplasticizer <input checked="" type="checkbox"/>
Silica fume <input checked="" type="checkbox"/>	Flyash <input checked="" type="checkbox"/>
Set Retarder <input type="checkbox"/>	Air Entrainment <input checked="" type="checkbox"/>
Water Reducer <input checked="" type="checkbox"/>	Accelerators <input type="checkbox"/>
H2O Added <input type="checkbox"/>	Authorized B

**Standby:**

0

**Record No** 51565

**Englobe Tech:** Travis MacKenzie

**PER**



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N/A - Not Applicable or Not Available

Project manager : Peter Salah





# Englobe

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20 Mann St.  
Bedford, Nova Scotia  
B4A 2W5

### Our Project No.:

1900239-31-0-001-004

### Client Contract No.:

### Client PO.:

### Contractor:

Dexter Construction Company Lt

### CC:

### Fax

Attn: Darren Dennis

### Fax

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

### Email

Set No: 18		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2362	382	46.7	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2362	416	50.9	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2364	511	62.5	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2358	505	61.8	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :
Strength @28 days(MPa):	45	Conc Temp°C	16.0	Date : 21 May 2020
Slump (mm):	180+/-30	Slump (mm)	160	Time : 6:30
Air (%):	6 +/- 1	Air Temp°C :	12.0	Rec'd Sample at Lab :
Max Agg Size (mm):	20	Air(%):	5.3	Date : 21 May 2020
		Cast Time:	11:10	Time : 7:00
		Cast By:	MTL	
		Initial curing Temp (CSA: 15 - 25°C)		
		Minimum: 8.5 Maximum: 15.0		
		Initial Curing Conditions :		
		Inside curing box		
		Test samples cast in reusable hard plastic moulds.		
		Section: Bridge Deck Burnside Drive underpass		
		Location: Cylinders cast every 50M as trucks arrived.		
		Comments: TM9		
		total concrete arrived on site was 376.0 M		

  

Supplier Information	
Supplier:	Quality Concrete
Batch Time:	10:16
Truck No.:	1175
Ticket No.:	1210990
Strength Delivered:	45 (MPa)
Mix No:	
Load Vol:	8.0 m <sup>3</sup>
Cum Vol:	192.0 m <sup>3</sup>
Additives:	
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>
Silica fume	<input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/>
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>
Water Reducer	<input checked="" type="checkbox"/> Accelerators <input type="checkbox"/>
H2O Added	<input type="checkbox"/> Authorized B

Standby:

0

Record No 51573

Englobe Tech: Travis MacKenzie

PER

*Peter Salah*



CSA CERTIFIED  
LABORATORY FOR TESTING

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N/A - Not Applicable or Not Available

Project manager : Peter Salah



# Englobe

## CONCRETE TEST 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

**Our Project No.:**

1900239-31-0-001-004

**Client Contract No.:**
**Client PO.:**
**Contractor:**

Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 19		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2326	336	41.1	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2338	363	44.4	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2329	420	51.4	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2334	415	50.8	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	45	Conc Temp°C	17.5	Slump (mm)	165
Slump (mm):	180+/-30	Air Temp°C :	15.0	Air(%) :	6.6
Air (%) :	6 +/- 1	Cast Time:	12:30	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Rec'd Sample at Lab :	
		Minimum: Maximum:		Date : 21 May 2020	
				Time : 6:30	
				Date : 21 May 2020	
				Time : 7:00	

  

Supplier Information		Initial Curing Conditions :	
Supplier:	Quality Concrete	Initial Curing Conditions :	
Batch Time:	11:55	Inside curing box	
Truck No.:	1171	Test samples cast in reusable hard plastic moulds.	
Ticket No.:	1210995		
Strength Delivered:	45 (MPa)	Section: Bridge Deck Burnside Drive underpass	
Mix No:		Location: Cylinders cast every 50M as trucks arrived.	
Load Vol:	8.0 m <sup>3</sup>		
Cum Vol:	16.0 m <sup>3</sup>		
Additives:		Comments: TM11	
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>	total concrete arrived on site was 376.0 M	
Silica fume	<input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/>		
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>		
Water Reducer	<input checked="" type="checkbox"/> Accelerators <input type="checkbox"/>		
H2O Added	<input type="checkbox"/> Authorized B		

**Standby:**

0

**Record No** 51574

**Englobe Tech:** Travis MacKenzie

**PER**


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N/A - Not Applicable or Not Available

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Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 20		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2368	368	45.0	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2375	415	50.8	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2360	502	61.4	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2377	511	62.5	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	45	Conc Temp°C	22.0	Slump (mm)	130/150
Slump (mm):	180+/-30	Air Temp°C :	15.0	Air(%):	4.5/5.0
Air (%):	6 +/- 1	Cast Time:	16:00	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Rec'd Sample at Lab :	
		Minimum: 8.5 Maximum: 15.0		Date : 21 May 2020	
<b>Supplier Information</b> Supplier: Quality Concrete Batch Time: 14:38 Truck No.: 1171 Ticket No.: 1125393 Strength Delivered: 45 (MPa) Mix No: Load Vol: 8.0 m <sup>3</sup> Cum Vol: 296.0 m <sup>3</sup> Additives: Heat <input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/> Silica fume <input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/> Set Retarder <input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/> Water Reducer <input checked="" type="checkbox"/> Accelerators <input type="checkbox"/> H2O Added <input type="checkbox"/> Authorized B		Initial Curing Conditions :		Time : 6:30	
		Inside curing box		Time : 7:00	
		Test samples cast in reusable hard plastic moulds.			
		<b>Section:</b> Bridge Deck Burnside Drive underpass <b>Location:</b> Cylinders cast every 50M as trucks arrived.			
		<b>Comments:</b> TM13  total concrete arrived on site was 376.0 M			

**Standby:**

0

**Record No** 51568

**Englobe Tech:** Travis MacKenzie

**PER**



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N/A - Not Applicable or Not Available

Project manager : Peter Salah





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Dexter Construction Company Lt

**CC:**
**Fax**
**Attn:** Darren Dennis

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

**Email**

Set No: 21		No. Of Specimens: 4		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	25 May 2020	5	102	2396	390	47.7	A	<input checked="" type="checkbox"/>
B	27 May 2020	7	102	2380	420	51.4	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2377	515	63.0	A	<input checked="" type="checkbox"/>
D	17 Jun 2020	28	102	2256	511	62.5	A	<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	45	Conc Temp°C	17.0	Slump (mm)	185
Slump (mm):	180+/-30	Air Temp°C :	14.0	Air(%) :	5.6
Air (%) :	6 +/- 1	Cast Time:	17:55	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25°C)		Rec'd Sample at Lab :	
		Minimum: 8.5 Maximum: 15.0		Date : 21 May 2020	
		Initial Curing Conditions :		Time : 6:30	
		Inside curing box		Rec'd Sample at Lab :	
		Test samples cast in reusable hard plastic moulds.		Date : 21 May 2020	
		Section: Bridge Deck Burnside Drive underpass		Time : 7:00	
		Location: Cylinders cast every 50M as trucks arrived.			
		Comments: TM15			
		total concrete arrived on site was 376.0 M			

  

Supplier Information	
Supplier:	Quality Concrete
Batch Time:	17:26
Truck No.:	1171
Ticket No.:	1125419
Strength Delivered:	45 (MPa)
Mix No:	
Load Vol:	8.0 m <sup>3</sup>
Cum Vol:	336.0 m <sup>3</sup>
Additives:	
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>
Silica fume	<input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/>
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>
Water Reducer	<input checked="" type="checkbox"/> Accelerators <input type="checkbox"/>
H2O Added	<input type="checkbox"/> Authorized B

**Standby:** 0

**Record No** 51570

**Englobe Tech:** Travis MacKenzie

**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



# Englobe

## CONCRETE TEST 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

Our Project No.:

1900239-31-0-001-004

Client Contract No.:

Client PO.:

Contractor:

Dexter Construction Company Lt

CC:

Fax

Attn: Darren Dennis

Fax

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

Email

Set No: 22		No. Of Specimens: 4		Date Cast: 09 Jun 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	12 Jun 2020	3	102	2384	317	38.8	A	<input checked="" type="checkbox"/>
B	16 Jun 2020	7	102	2384	438	53.6	A	<input checked="" type="checkbox"/>
C	07 Jul 2020	28	102	2381				<input checked="" type="checkbox"/>
D	07 Jul 2020	28	102	2380				<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :
Strength @28 days(MPa):	45	Conc Temp°C	19.0	Date : 10 Jun 2020
Slump (mm):	180+/-30	Slump (mm)	205	Time : 7:30
Air (%):	6 +/- 1	Air Temp°C :	10.0	Rec'd Sample at Lab :
Max Agg Size (mm):	20	Air(%):	5.1	Date : 10 Jun 2020
		Cast Time:	08:30	Time : 8:00
		Cast By:	MTL	
		Initial curing Temp (CSA: 15 - 25°C)		
		Minimum: 8.5 Maximum: 22.0		
		Initial Curing Conditions :		
		Inside curing box		
		Test samples cast in reusable hard plastic moulds.		
		Section: outside barrier walls		
		Location: north side every other barrier		
		Comments: TM1		

  

Supplier Information	
Supplier:	Quality Concrete
Batch Time:	07:42
Truck No.:	1134
Ticket No.:	1126025
Strength Delivered:	45 (MPa)
Mix No:	
Load Vol:	8.0 m <sup>3</sup>
Cum Vol:	8.0 m <sup>3</sup>
Additives:	
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>
Silica fume	<input checked="" type="checkbox"/> Flyash <input checked="" type="checkbox"/>
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>
Water Reducer	<input checked="" type="checkbox"/> Accelerators <input type="checkbox"/>
H2O Added	<input type="checkbox"/> Authorized B

Standby: 0

Record No 51778

Englobe Tech: Travis MacKenzie

PER

*Signature*



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LABORATORY FOR TESTING

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N/A - Not Applicable or Not Available

Project manager : Peter Salah