

MaineDOT

MaineDOT

CORE	LOCATION	1.35 c1 threshold lb/cy	Chloride level lb/cy
1	Pier 2 6050 psi		0 10.38 7.75 5.21 4" 6" 8" 1.16
2	Pier 2 8760 psi		0 5.64 2.29 1.13 4" 6" 8" 0.93
3	Pier 2 6980 psi		0 8.61 5.6 3.73 4" 6" 8" 0.94
4	Pier 2 ASR SUSPECTED DEEP CORE FRACTURED		0 8.62 5.37 3.6 4" 6" 8" 0.93
5	Pier 1 7860 psi		0 1.14 0.95 0 4" 6" 8" 0.93
6	Pier 3 6450 psi		0 1.13 0.86 0.88 4" 6" 8" 0.92
7	Pier 4 5840 psi		0 1.27 2 4" 6" 8" 0.92
8	Pier 5 8680 psi		0 1.15 2 4" 6" 8" 0.78
9	Abut #1 6190 psi		0 9.39 3.58 4" 6" 8" 0.9

1.35 lb/cy CORROSION THRESHOLD

lb/cy chloride level

Core	LOCATION	ABUT #1	33"	49"	83.4'	4740 psi	→ N	0"	2"	4"	6"	8"	10"
10								7.14	5.25	3.54			
11	ABUT #1	S100 psi	39"	50"	43.4'	ASR DEEP FRACTURED CORE	→ N	11.34	11.14		6"	8"	10"
12	ABUT #1	3620 psi	60"	48"	7.4'		→ N	9.46	6.0	3.57	6"	8"	10"
13	ABUT #2	5700 psi	83"	51"	100.5'	ASR EVIDENT	→ N	5.81	3.98	3.29	6"	8"	10"
14	ABUT #2	4170 psi	90"	36"	78.3'	ASR EVIDENT	→ N	8.77	5.64	4.64	6"	8"	10"
15	ABUT #2	4170 psi			58.6'	ASR EVIDENT	→ N	6.17	4.6	4.79	6"	8"	10"
16	ABUT #2	5190 psi	30"	53"	39.5'		→ N	9.49			6"	8"	10"
17	PIER 6	6290 psi	43" + 16"				→ N	1.47	0.96		6"	8"	10"
18	PIER 7	4500 psi	43" + 15"				→ N	1.39	1.0		6"	8"	10"
19													

MaineDOT

MaineDOT

BRIDGE DECK CORING FIELD LOG

Town: Bangor PIN/Project No.: 022278.00
 Bridge Name: Veterans Memorial Bridge Bridge No.: 1558 Bridge Length: _____
 Coring Personnel: Lamont, Scott, Andrew, Jess, Sean, Brady Date Cored: 11-15-2018

Core No.	✓ if lab sample	Reference No.	Station	Offset	Pavement Depth	Concrete Depth	Rebar?	Corrosion?	Membrane?	Bonded?	Comments
1	<input type="checkbox"/>	336101	Pier #2	North Pier North Side	165+30		<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Crack 1/4" into top of core.
2	<input type="checkbox"/>	336102	Pier #2	North Pier South Side			<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
3	<input type="checkbox"/>	336103	Pier #2	South Pier North Side			<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Crack 1/4" into top of core.
4	<input type="checkbox"/>	336104	Pier #2	South Pier South Side			<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Crack into core about 2 3/4". Rebar located 3 1/4 from surface.
5	<input type="checkbox"/>	336105	Pier #1	South Pier South Side	164-60		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Small crack not completely across core diameter to about .3 in depth.
6	<input type="checkbox"/>	336106	Pier #3	South Pier South Side	167+80		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	No cracks in top of core.
7	<input type="checkbox"/>	336107	Pier #4	South Pier South Side	170+50		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	No cracks in top of core.
8	<input type="checkbox"/>	336108	Pier #5	South Pier South Side	173+25		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Rebar located approximately 4 1/4" from surface. Rebar looks to be rust free.
9	<input type="checkbox"/>	336109	West Abut.	122' from south side 39" from ground.			<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	

163+40

30

174' wide
about 21'

395

Core No.	✓ if lab sample	Reference No.	Station	Offset	Pavement Depth	Concrete Depth	Rebar?	Corrosion?	Membrane?	Bonded?	Comments
10	<input type="checkbox"/>	336110	West Abutment	83.4 from south end 49" from ground,			<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
11	<input type="checkbox"/>	336111	West Abutment	43.4' from south end 50" from ground level.			<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
12	<input type="checkbox"/>	336112	West Abutment	7.4' From south end 48" for ground level.			<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
13	<input type="checkbox"/>	336113					<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
14	<input type="checkbox"/>						<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
15	<input type="checkbox"/>						<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
16	<input type="checkbox"/>						<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
17	<input type="checkbox"/>						<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
18	<input type="checkbox"/>						<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
19	<input type="checkbox"/>						<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	



 Revised 10/4/2017



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336101	1	BRIDGE CORE	11/15/2018	11/15/2018
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station:	Offset, ft: ,	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 8.0"	6050.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	10.38
1.5-2.0	7.72
2.5-3.0	5.21
8.0-8.5	1.16

Comments:

Final report. Core #1, bridge 1558. Pier #2, North column, north east upper corner, located 2' from second bearing from north side and 3' down from top of pier cap backwall.

AUTHORIZATION AND DISTRIBUTION

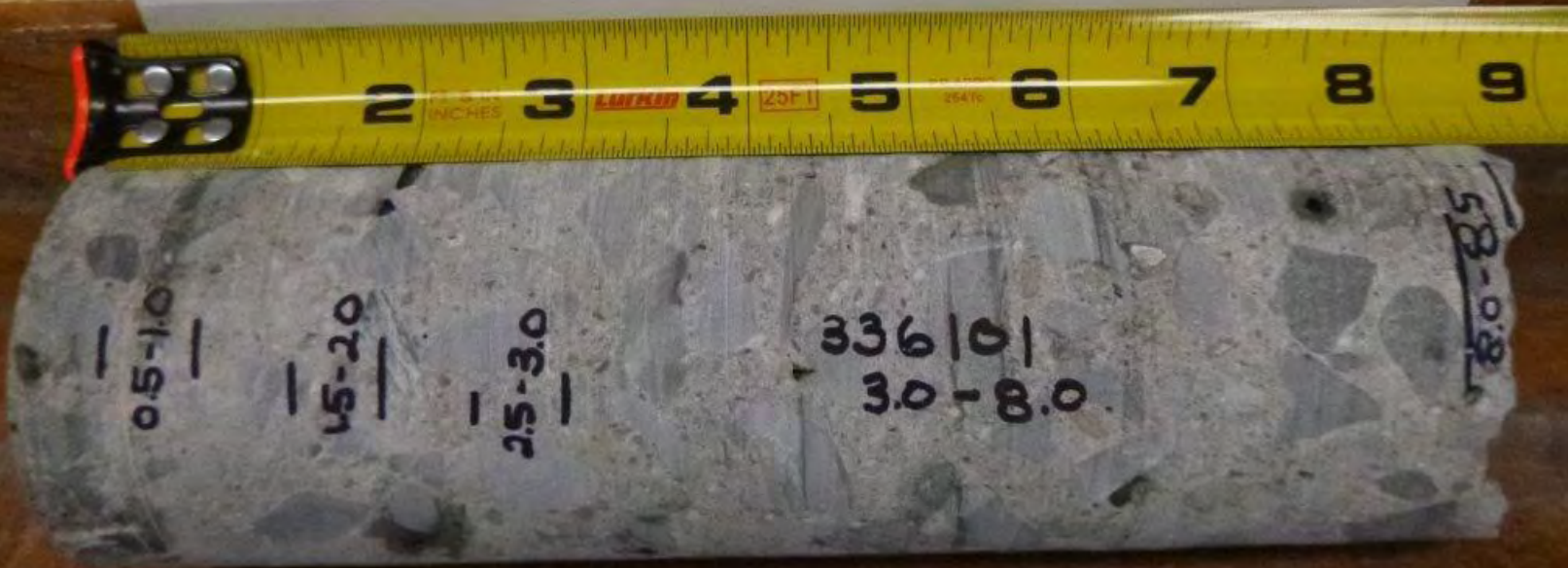
Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336101 Core #1 Pier #2 North Pier North Side



0.5-1.0

1.5-2.0

2.5-3.0

336101

3.0-8.0

8.0-8.5





BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **336102** Core No. **2** Sample Description **BRIDGE CORE** Sampled **11/15/2018** Received **11/15/2018**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:

WIN/Town **022278.00 - BANGOR, BREWER** Bridge No.: **1558** Station: Offset, ft: ,

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 6.5"	8760.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	5.64
1.5-2.0	2.29
2.5-3.0	1.13
6.5-7.0	0.93

Comments:

Final report. Core #2, bridge 1558. Pier #2, north column, south east upper corner, located 2' from south end and 3' down from top of pier cap.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336102 Core #2 Pier #2 North Pier South Side



0.5-1.0

1.5-2.0

2.5-3.0

336102

3.0-6.5



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **336103** Core No. **3** Sample Description **BRIDGE CORE** Sampled **11/15/2018** Received **11/15/2018**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:

WIN/Town **022278.00 - BANGOR, BREWER** Bridge No.: Station: Offset, ft: ,

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 6.75"	6980.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	8.61
1.5-2.0	5.6
2.5-3.0	3.73
6.75-7.25	0.94

Comments:

Final report. Core #3, bridge 1558. Pier #2, south column, north end.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336103 Core #3 Pier #2 South Pier North Side



0.5 - 1.0

1.5 - 2.0

2.5 - 3.0

336103
3.0 - 6.75

6.75 - 7.25





BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **336104** Core No. **4** Sample Description **BRIDGE CORE** Sampled **11/15/2018** Received **11/15/2018**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:

WIN/Town **022278.00 - BANGOR, BREWER** Bridge No.: **1558** Station: Offset, ft: ,

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1		
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	8.62
1.5-2.0	5.37
2.5-3.0	3.6

Comments:

Final report. Core #4, bridge 1558. Pier #2, south column, south east upper corner, located 9'6" from south end and 3' down from top of pier cap.
No compressive strength testing.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —



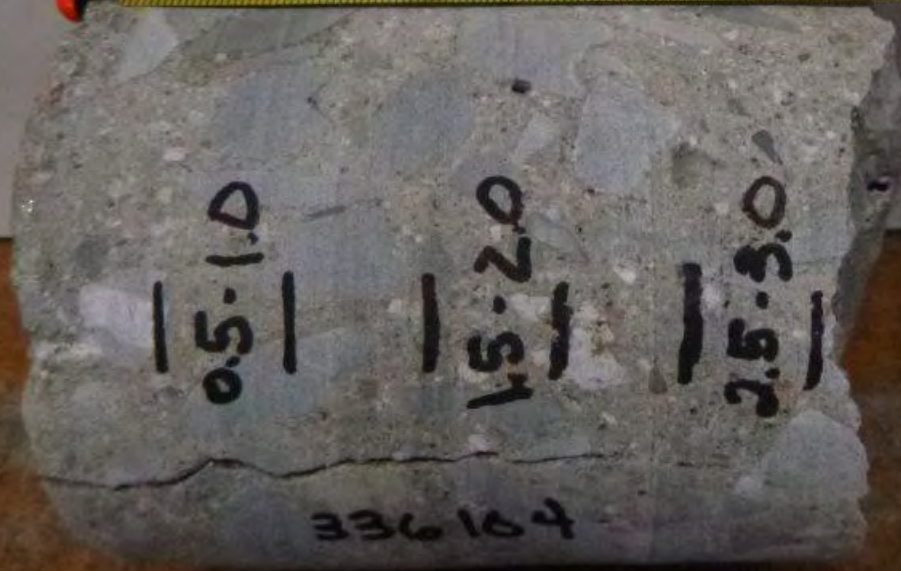
Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336104 **Core #4** Pier #2 South Pier South Side



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336104 Core #4 Pier #2 South Pier South Side





BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336105	5	BRIDGE CORE	11/30/2018	11/30/2018
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station:	Offset, ft: ,	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	2.0" - 6.0"	7860.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	1.14
1.5-2.0	0.95
6.0-6.5	0.83



Comments:

Final report. Core #5, bridge 1558. Pier #1, south column, south east upper corner, located 7'4" from south end and 2'4" down from top of pier cap.

AUTHORIZATION AND DISTRIBUTION

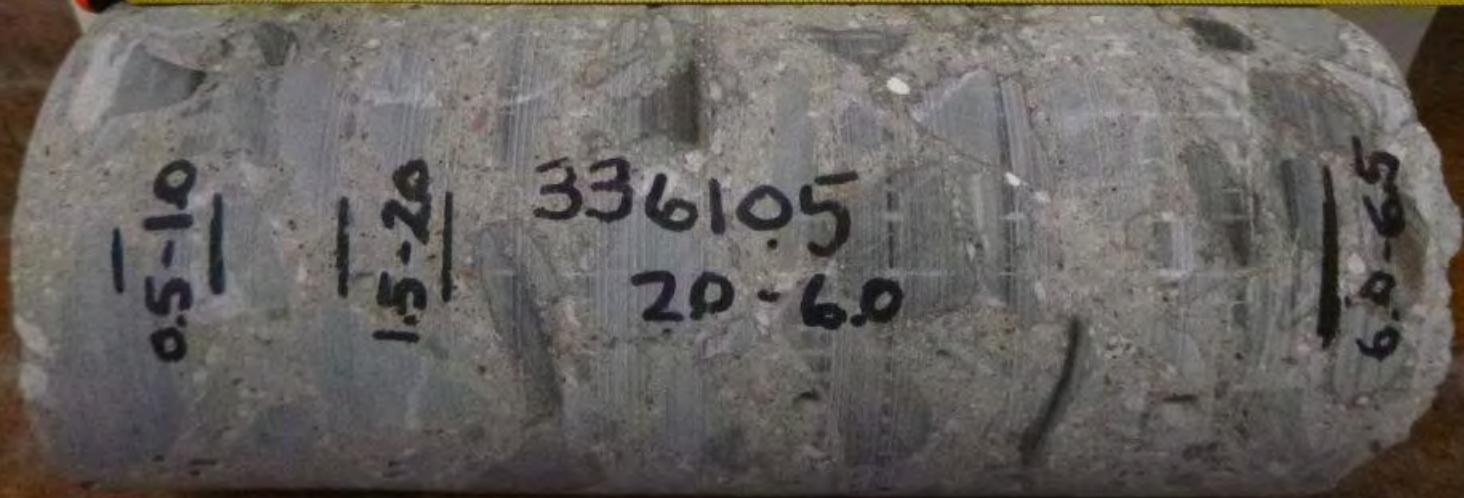
Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336105 Core #5 Pier #1 South Pier South Side



0.5-1.0

1.5-2.0

336105
20-60

6.0-6.5



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336106	6	BRIDGE CORE	11/30/2018	11/30/2018
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station:	Offset, ft: ,	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0"- 8.0"	6540.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	1.13
1.5-2.0	0.86
2.5-3.0	0.88



Comments:

Final report. Core #6, bridge 1558. Pier #3, south column, south east upper corner, located 6' from south end and 3' down from top of pier cap.

AUTHORIZATION AND DISTRIBUTION

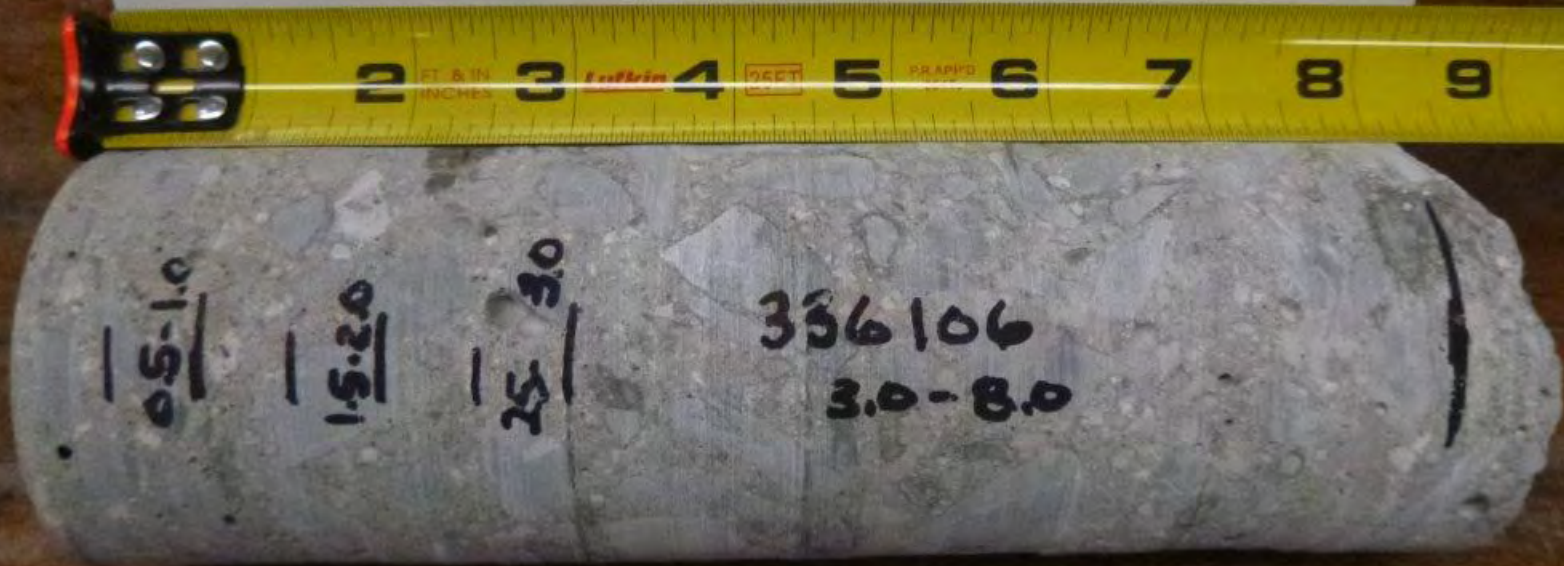
Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —

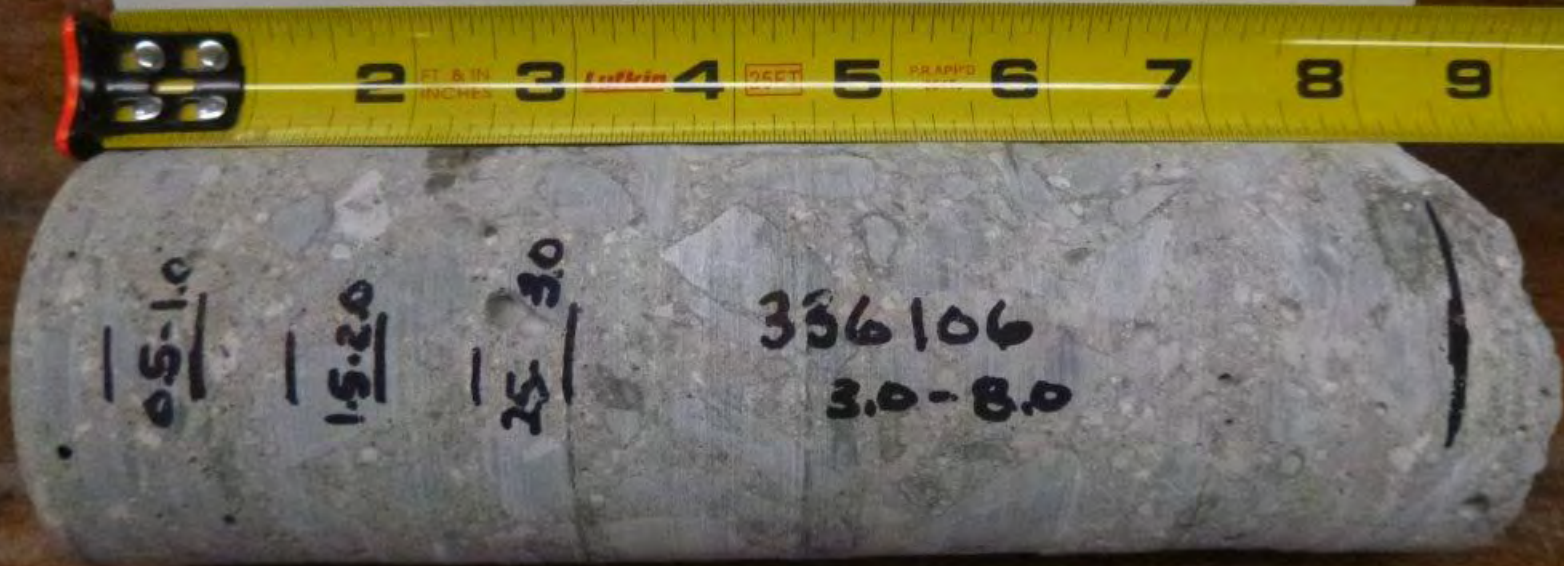
Bangor - Veterans Memorial Bridge - 1395 - Bridge #1558

Ref. No. 336106 Core #6 Pier #3 South Pier South Side



Bangor - Veterans Memorial Bridge - 1395 - Bridge #1558

Ref. No. 336106 Core #6 Pier #3 South Pier South Side





BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336107	7	BRIDGE CORE	11/30/2018	11/30/2018
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station:	Offset, ft: ,	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 7.5"	5840.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	1.27
7.5-8.0	0.82



Comments:

Final report. Core #7, bridge 1558. Pier #4, south column, south east upper corner, located 5'3" from south end and 2'4" down from top of pier cap.

AUTHORIZATION AND DISTRIBUTION

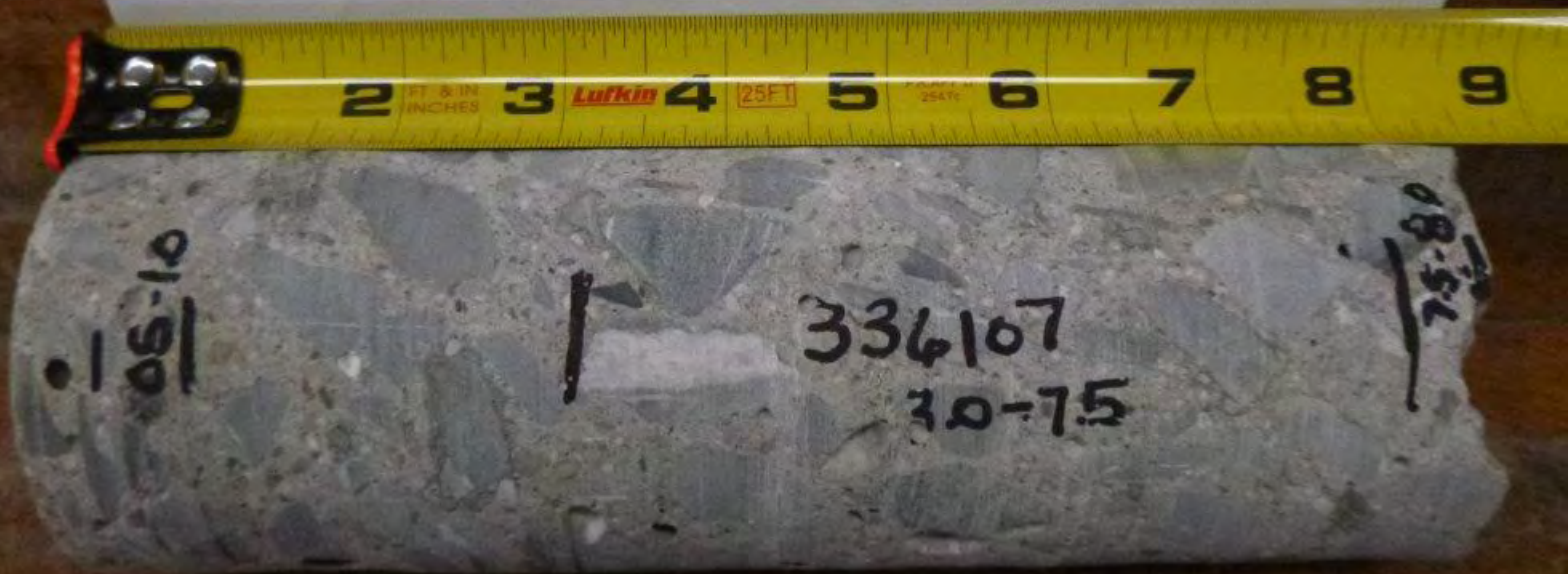
Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336107 Core #7 Pier #4 South Pier South Side



• 06-10

|

336107
30-75

| 75-80



BRIDGE CORE TEST REPORT

Central Laboratory

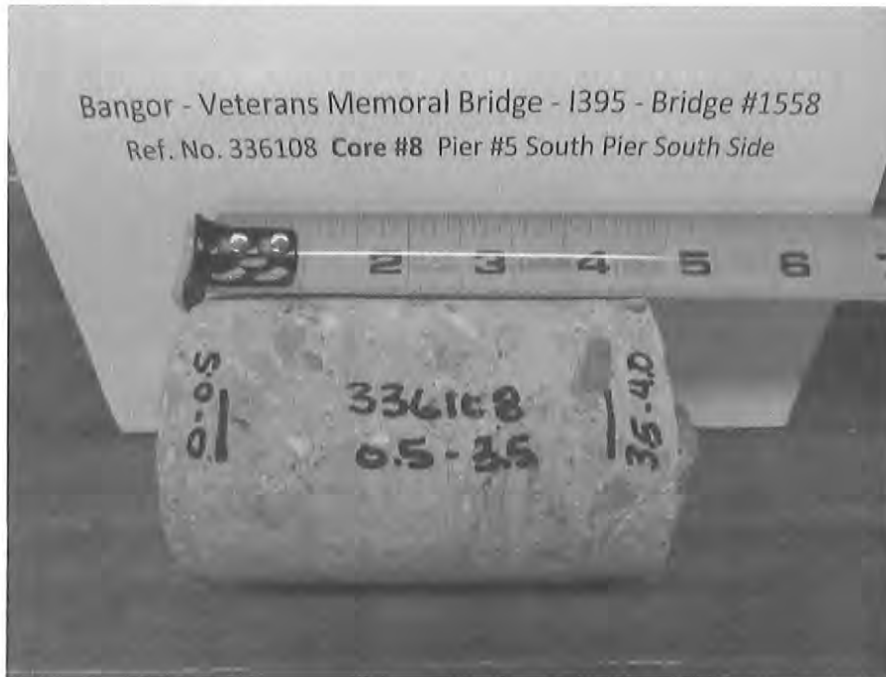
SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336108	8	<u>BRIDGE CORE</u>	11/30/2018	11/30/2018
Sample Type: OTHER		Sampler: LAMONT DUTRA	Sample Location:	
WIN/Town 022278.00 - BANGOR, BREWER		Bridge No.: 1558	Station:	Offset, ft: ,

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	0.5" - 3.5"	8680.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.0-0.5	1.15
3.5-4.0	0.78



Comments:

Final report. Core #8, bridge 1558. Pier #5, south column, south east upper corner, located 5' from south end and 2'6" down from top of pier cap.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336108 Core #8 Pier #5 South Pier South Side



0-0.5

336108

0.5-3.5

3.5-4.0



BRIDGE CORE TEST REPORT

Central Laboratory

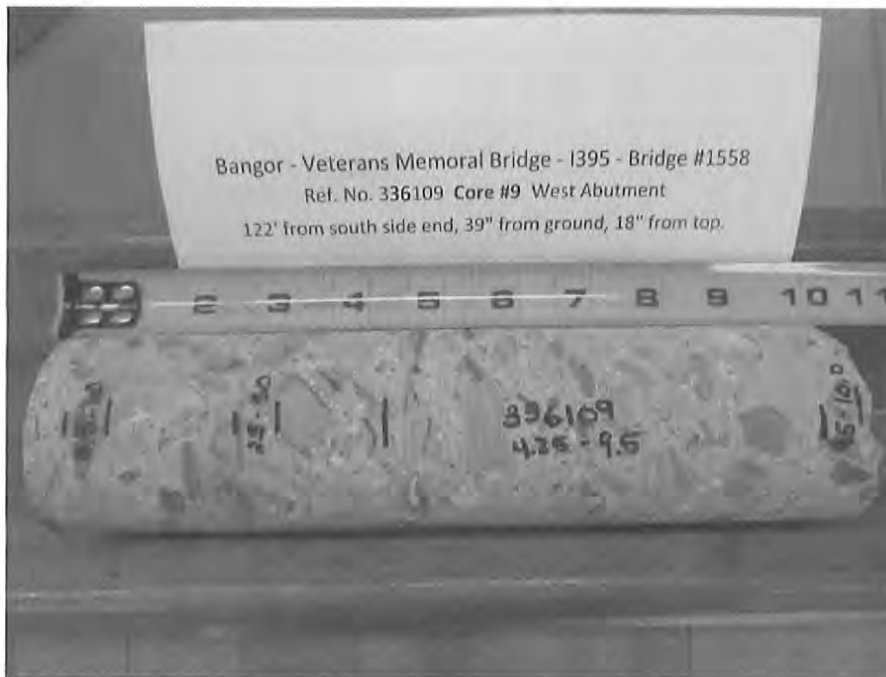
SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336109	9	BRIDGE CORE	1/10/2019	1/10/2019
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station: 163 + 40	Offset, ft: 35, LT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.25" - 9.5"	6190.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	9.34
2.5-3.0	3.58
9.5-10.0	0.9



Comments:

Final report. Core #9, bridge 1558, West Abut., 122' from south side corner, 30" from ground and 18" from top of wall.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336109 Core #9 West Abutment

122' from south side end, 39" from ground, 18" from top.



0.5-1.0

2.5-3.0

336109
4.25-9.5

9.5-10.0



BRIDGE CORE TEST REPORT

Central Laboratory

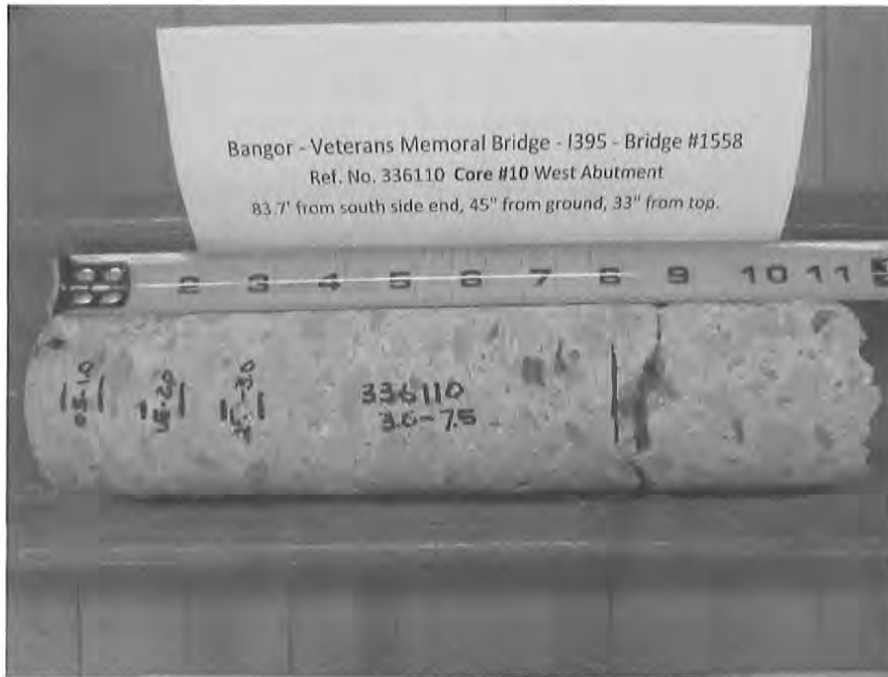
SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336110	10	<u>BRIDGE CORE</u>	1/10/2019	1/10/2019
Sample Type: OTHER		Sampler: LAMONT DUTRA	Sample Location:	
WIN/Town 022278.00 - BANGOR, BREWER		Bridge No.: 1558	Station: 163 + 40 Offset, ft: 3.6, RT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 7.5"	4740.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	7.14
1.5-2.0	5.25
2.5-3.0	3.54



Comments:

Final report. Core #10, bridge 1558, West Abut., 83.4' from south side corner, 49" from ground and 33" from top of wall.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336110 **Core #10** West Abutment

83.7' from south side end, 45" from ground, 33" from top.



0.5-1.0

1.6-2.0

2.5-3.0

336110
3.0-7.5



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336111	11	<u>BRIDGE CORE</u>	1/10/2018	1/10/2018
Sample Type: OTHER		Sampler: LAMONT DUTRA	Sample Location:	
WIN/Town 022278.00 - BANGOR, BREWER		Bridge No.: 1558	Station: 163 + 40 Offset, ft: 43.6, RT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 7.0"	5100.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	11.34
2.0-2.5	11.14
7.0-7.5	4.42



Comments:
Final report. Core #11, bridge 1558, West Abut., 43.4' from south side corner, 50" from ground and 39" from top of wall.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**
Date Reported: **1/23/2019**



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336111 **Core #11** West Abutment

43.4' from south side end, 50" from ground, 39" from top.



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336111 Core #11 West Abutment

43.4' from south side end, 50" from ground, 39" from top.



05-10

20-2.5

336111
30-7.0

70-7.5

1558

BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336112	12	BRIDGE CORE	1/10/2018	1/10/2018
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station: 163 + 40	Offset, ft: 79.6, RT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.5" - 8.75"	3620.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.5-1.0	9.46
1.5-2.0	6
3.0-3.5	3.57
8.75-9.25	0.91



Comments:

Final report. Core #12, bridge 1558, West Abut., 7.4' from south side corner, 48" from ground and 60" from top of wall.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/23/2019**

Paper Copy: Structure File Electronic: Customer —



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336112 **Core #12** West Abutment

7.4' from south side end, 48" from ground, 60" from top.



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336112 **Core #12** West Abutment

7.4' from south side end, 48" from ground, 60" from top.





BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336113	13	BRIDGE CORE	1/25/2019	1/25/2019
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station: 178+78	Offset, ft: 48.5, LT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 8.75"	5700.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
1.00-1.50	5.31
2.50-3.00	3.98
3.50-4.00	3.29
8.75-9.25	0.91

Comments:

Final report. Core # 13, bridge 1558, east abutment.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/15/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336113 **Core #13** East Abutment

100.5' from south side end, 51" from ground, 83" from top.



—
—
2.5-3.0
—

—
—
3.5-4.0
—

3

INCHES

4

AMERICAN

4

1/2

5

FOR APPX
1990







BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **336114** Core No. **14** Sample Description **BRIDGE CORE** Sampled **1/25/2019** Received **1/25/2019**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:

WIN/Town **022278.00 - BANGOR, BREWER** Bridge No.: **1558** Station: **178+78** Offset, ft: **26.3, LT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 8.5"	4170.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.50-1.00	8.77
2.00-2.50	5.64
3.50-4.00	4.65

Comments:

Final report. Core # 14, bridge 1558, east abutment.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

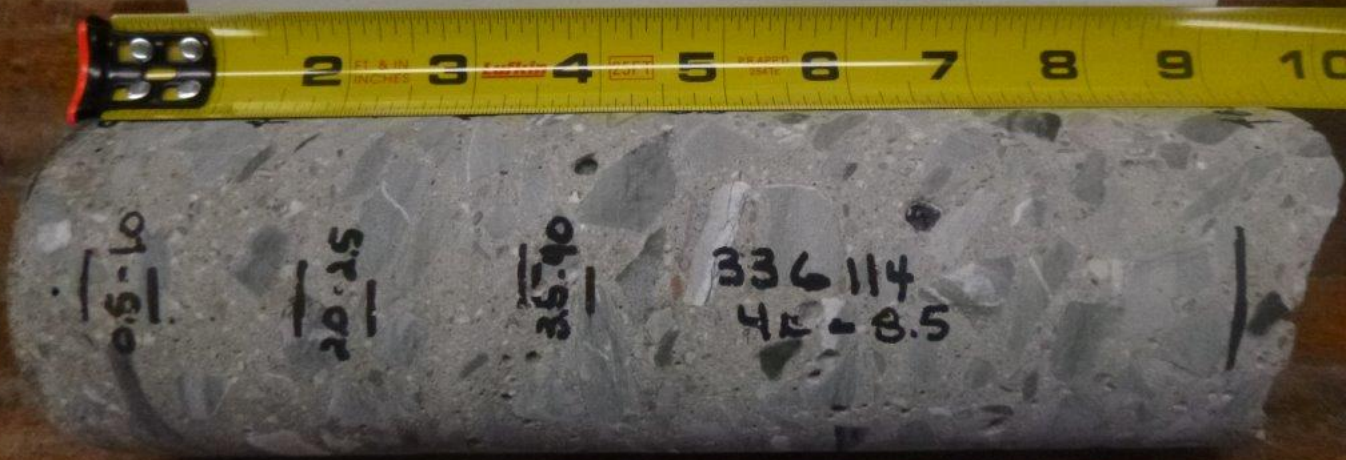
Date Reported: **10/15/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336114 **Core #14** East Abutment

78.3' from south side end, 36" from ground, 90" from top.



Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336114 Core #14 East Abutment

78.3' from south side end, 36" from ground, 90" from top.







BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336115	15	<u>BRIDGE CORE</u>	1/25/2019	1/25/2019
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station: 178+78	Offset, ft: 6.75, LT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.5" - 9.5"	4170.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
1.00-1.50	6.17
2.50-3.00	4.6
4.00-4.50	4.79
9.50-10.00	1.94

Comments:

Final report. Core # 15, bridge 1558, east abutment.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/15/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336115 **Core #15** East Abutment

58.6' from south side end, 52" from ground, 68" from top.







BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
336116	16	BRIDGE CORE	1/25/2019	1/25/2019
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location:		
WIN/Town 022278.00 - BANGOR, BREWER	Bridge No.: 1558	Station: 178+78	Offset, ft: 12.5, RT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	1.0" - 6.0"	5190.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.50-1.00	9.49
6.00-6.50	6.45
9.50-10.00	5.22

Comments:

Final report. Core # 16, bridge 1558, east abutment.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/15/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336116 **Core #16** East Abutment

39.5' from south side end, 53" from ground, 30" from top.







BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **336117** Core No. **17** Sample Description **BRIDGE CORE** Sampled **3/28/2019** Received **3/28/2019**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:

WIN/Town **022278.00 - BANGOR, BREWER** Bridge No.: **1558** Station: **175+28** Offset, ft: ,

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	5.0" - 9.0"	6290.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.00-0.50	1.47
1.50-2.00	0.96
4.50-5.00	0.82
9.00-9.50	0.89

Comments:

Final report. South Pier, South Side 43" from end, 16" down from cap.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/15/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336117 Core #17 Pier #6 South Pier South Side



0.0-0.5

1.5-2.0

4.5-5.0

336117

5.0-9.0

9.0-9.5



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **336118** Core No. **18** Sample Description **BRIDGE CORE** Sampled **3/28/2019** Received **3/28/2019**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:

WIN/Town **022278.00 - BANGOR, BREWER** Bridge No.: **1558** Station: **177 + 28** Offset, ft: ,

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 8.0"	4500.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
0.00-0.50	1.39
2.50-3.00	1

Comments:

Final report. South Pier, South Side. 43" from end, 15" down from cap.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/15/2019**

Paper Copy: Structure File Electronic: Customer —

Bangor - Veterans Memorial Bridge - I395 - Bridge #1558

Ref. No. 336118 Core #18 Pier #7 South Pier South Side



0.0-0.5

2.5-3.0

336118

3.0-8.0