

BRIDGE DECK CORING FIELD LOG

Town: Waterville PIN/Project No.: 023635.00

Bridge Name: North Street Overpass Bridge No.: 5235 Bridge Length: 63'

Coring Personnel: Lamont, Andrew Date Cored: 9-26-2018

Core No.	✓ if lab sample	Reference No.	Station	Offset	Pavement Depth	Concrete Depth	Rebar?	Corrosion?	Membrane?	Bonded?	Comments
1	<input type="checkbox"/>	296915	0 - 6.5	14.6 R	2 1/4"	6"	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Hit the tops of several shear pins.
2	<input type="checkbox"/>	296916	0 + 15	4.5 R	2 1/4"	6 1/2"	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
3	<input type="checkbox"/>	296917	0 + 37.8	8 R	1 1/2"	7"	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
4	<input type="checkbox"/>	296918	0 + 24	17 L	2 1/4"	6 1/2"	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1 1/2" more of concrete deck.
5	<input type="checkbox"/>	296919	0 + 50	3.7 L	2"	6"	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Rebar #5 bar.
6	<input type="checkbox"/>	296920	0 + 68	12.2 L	2"	6 1/2"	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cored over crack in pavement. Somewhat sealed by crack sealer.
7	<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	
8	<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	
9	<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	

Stationing direction is from West to East.

Revised 3/29/2011



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. Core No. Sample Description Sampled Received
296915 **1** **BRIDGE CORE** **9/26/2018** **9/26/2018**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:
WIN/Town **023635.00 - WATERVILLE** Bridge No.: **5235** Station: **0 - 6.5** Offset, ft: **14.6, RT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.75" - 7.5"	5280.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.25-2.75	1.94
3.25-3.75	0.45
7.5-8.0	0.28

Comments:

Final report. Core #1, bridge 5235.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/17/2019**

Paper Copy: *Structure File* Electronic: *Customer* —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **296916** Core No. **2** Sample Description **BRIDGE CORE** Sampled **9/26/2018** Received **9/26/2018**

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

WIN/Town **023635.00 - WATERVILLE** Bridge No.: **5235** Station: **0 + 15** Offset, ft: **4.5, RT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.25" - 8.75"	4660.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.25-2.75	0.54
3.75-4.25	0.24

Comments:

Final report. Core #2, bridge 5235.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/17/2019**

Paper Copy: *Structure File* Electronic: *Customer* —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **296917** Core No. **3** Sample Description **BRIDGE CORE** Sampled **9/26/2018** Received **9/26/2018**

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

WIN/Town **023635.00 - WATERVILLE** Bridge No.: **5235** Station: **0 + 37.8** Offset, ft: **8, RT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	2.5" - 7.5"	4660.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	0.35
7.5-8.0	0.23

Comments:

Final report. Core #3, bridge 5235.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/18/2019**

Paper Copy: *Structure File* Electronic: *Customer* —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **296918** Core No. Sample Description **BRIDGE CORE** Sampled **9/26/2018** Received **9/26/2018**

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

WIN/Town **023635.00 - WATERVILLE** Bridge No.: **5235** Station: **0 + 42** Offset, ft: **17, LT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.25" - 8.0"	4920.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	2.82
3.75-4.25	1.77
8.0-8.5	0.27

Comments:

Final report. Core #4, bridge 5235.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/18/2019**

Paper Copy: *Structure File* Electronic: *Customer* —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. Core No. Sample Description Sampled Received
296919 **5** **BRIDGE CORE** **9/26/2018** **9/26/2018**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:
WIN/Town **023635.00 - WATERVILLE** Bridge No.: **5235** Station: **0 + 50** Offset, ft: **3.7, LT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 7.0"	4980.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	0.27
7.0-7.5	0.31

Comments:

Final report. Core #5, bridge 5235.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/18/2019**

Paper Copy: Structure File Electronic: Customer —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No. **296920** Core No. **6** Sample Description **BRIDGE CORE** Sampled **9/26/2018** Received **9/26/2018**

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

WIN/Town **023635.00 - WATERVILLE** Bridge No.: **5235** Station: **0 + 68** Offset, ft: **12.2, LT**

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.75" - 8.75"	4870.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.25-2.75	0.29
3.25-3.75	0.22
4.25-4.75	0.29

Comments:

Final report. Core #6, bridge 5235.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **1/18/2019**

Paper Copy: *Structure File* Electronic: *Customer* —

Waterville - North Street Overpass - Bridge #5235

Ref. No. 296915 Core #1 STA 0 - 6.5 14.6' Right



Waterville - North Street Overpass - Bridge #5235

Ref. No. 296915 **Core #1** STA 0 - 6.5 14.6' Right



Waterville - North Street Overpass - Bridge #5235

Ref. No. 296916 Core #2 STA 0 + 15 4.5' Right



Waterville - North Street Overpass - Bridge #5235

Ref. No. 296917 Core #3 STA 0 + 37.8 8' Right



Waterville - North Street Overpass - Bridge #5235

Ref. No. 296918 Core #4 STA 0 + 24 17' Left



Waterville - North Street Overpass - Bridge #5235

Ref. No. 296919 Core #5 STA 0 + 50 3.7' Left



Waterville - North Street Overpass - Bridge #5235

Ref. No. 296920 Core #6 STA 0 + 68 12.2' Left

