

# BRIDGE DECK CORING FIELD LOG

Town: New Portland PIN/Project No.: 023631.00  
 Bridge Name: New Great Works Bridge No.: 5718 Bridge Length: 43  
 Coring Personnel: Lamont, Andrew Date Cored: 9-12-2018

| Core No. | ✓ if lab sample          | Reference No. | Station  | Offset  | Pavement Depth | Concrete Depth | Rebar?                                                              | Corrosion?                                                          | Membrane?                                                           | Bonded?                                                  | Comments                     |
|----------|--------------------------|---------------|----------|---------|----------------|----------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|------------------------------|
| 1        | <input type="checkbox"/> | 296907        | 0 + 29.6 | 13.7 L  | 4 1/2"         | 5"             | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N | About 4" more of concrete.   |
| 2        | <input type="checkbox"/> | 296908        | 0 + 12.7 | 3' L    | 7"             | 5"             | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N |                              |
| 3        | <input type="checkbox"/> | 296909        | 0 - 01   | 9.5' L  | 6 3/4"         | 4 1/2"         | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N | Hit metal at bottom of hole. |
| 4        | <input type="checkbox"/> | 296910        | 0 + 43.8 | 12.3' R | 5 1/2"         | 3 1/2", 3"     | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N |                              |
| 5        | <input type="checkbox"/> | 296911        | 0 + 29   | 2.9' R  | 7"             | 6" , 3/4"      | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N | Agg. size 1 1/2" measured.   |
| 6        | <input type="checkbox"/> | 296912        | 0 + 13.7 | 10.3' R | 6"             | 3 3/4", 1 2/3" | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input checked="" type="checkbox"/> Y<br><input type="checkbox"/> N | <input type="checkbox"/> Y<br><input type="checkbox"/> N | #3 bar encountered.          |
| 7        | <input type="checkbox"/> |               |          |         |                |                | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N |                              |
| 8        | <input type="checkbox"/> |               |          |         |                |                | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N |                              |
| 9        | <input type="checkbox"/> |               |          |         |                |                | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N            | <input type="checkbox"/> Y<br><input type="checkbox"/> N |                              |



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No.

Core No.

Sample Description

Sampled

Received

**296907****BRIDGE CORE**

9/12/2018

9/12/2018

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

Sample Location:

WIN/Town **023631.00 - NEW PORTLAND**Bridge No.: **5718**Station: **0 + 29.6**Offset, ft: **13.7, LT**

### TEST RESULTS

| Compressive Strength (T 22) |                      |                |
|-----------------------------|----------------------|----------------|
|                             | Location, inch       | Strength, psi  |
| Specimen 1                  | <b>5.25" - 8.75"</b> | <b>6820.00</b> |
| Specimen 2                  |                      |                |
| Specimen 3                  |                      |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>4.5-5.25</b>          | <b>3.09</b>                        |
| <b>8.75-9.25</b>         | <b>0.95</b>                        |

Comments:**Final report. Core #1, bridge 5718.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**Date Reported: **10/6/2018**Paper Copy: *Structure File*    Electronic: *Customer* —



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **296908** Core No.  Sample Description **BRIDGE CORE** Sampled **9/12/2018** Received **9/12/2018**

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

WIN/Town **023631.00 - NEW PORTLAND** Bridge No.: **5718** Station: **0 + 12.7** Offset, ft: **3, LT**

### TEST RESULTS

| Compressive Strength (T 22) |                     |                |
|-----------------------------|---------------------|----------------|
|                             | Location, inch      | Strength, psi  |
| Specimen 1                  | <b>8.5" - 11.5"</b> | <b>6870.00</b> |
| Specimen 2                  |                     |                |
| Specimen 3                  |                     |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>7.0-7.5</b>           | <b>9.93</b>                        |
| <b>8.0-8.5</b>           | <b>6.93</b>                        |
|                          |                                    |
|                          |                                    |
|                          |                                    |
|                          |                                    |

#### Comments:

**Final report. Core #2, bridge 5718.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/6/2018**

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



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **296909** Core No.  Sample Description **BRIDGE CORE** Sampled **9/12/2018** Received **9/12/2018**

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

WIN/Town **023631.00 - NEW PORTLAND** Bridge No.: **5718** Station: **0 - 01** Offset, ft: **9.5, LT**

### TEST RESULTS

| Compressive Strength (T 22) |                       |                |
|-----------------------------|-----------------------|----------------|
|                             | Location, inch        | Strength, psi  |
| Specimen 1                  | <b>8.25" - 11.25"</b> | <b>7230.00</b> |
| Specimen 2                  |                       |                |
| Specimen 3                  |                       |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>6.75-7.25</b>         | <b>5.54</b>                        |
| <b>7.75-8.25</b>         | <b>4.04</b>                        |
| <b>11.5-12.25</b>        | <b>1.63</b>                        |

#### Comments:

**Final report. Core #3, bridge 5718.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/6/2018**

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



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No.

Core No.

Sample Description

Sampled

Received

**296910****BRIDGE CORE**

9/12/2018

9/12/2018

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

Sample Location:

WIN/Town **023631.00 - NEW PORTLAND**Bridge No.: **5718**Station: **0 + 43.8**Offset, ft: **12.3, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 5.5" - 8.25"   | 7560.00       |
| Specimen 2                  | 8.75" - 11.5"  | 7530.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 8.25-8.75                | 0.72                               |
| 11.5-12.0                | 0.31                               |

Comments:**Final report. Core #4, bridge 5718.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**Date Reported: **10/6/2018**

Paper Copy: Structure File      Electronic: Customer —



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **296911** Core No.  Sample Description **BRIDGE CORE** Sampled **9/12/2018** Received **9/12/2018**

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

WIN/Town **023631.00 - NEW PORTLAND** Bridge No.: **5718** Station: **0 + 29** Offset, ft: **2.9, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                 |                |
|-----------------------------|-----------------|----------------|
|                             | Location, inch  | Strength, psi  |
| Specimen 1                  | <b>7" - 10"</b> | <b>5450.00</b> |
| Specimen 2                  |                 |                |
| Specimen 3                  |                 |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>10.0-10.5</b>         | <b>3.03</b>                        |
| <b>11.5-12.0</b>         | <b>2.15</b>                        |
| <b>13.0-13.5</b>         | <b>0.67</b>                        |

#### Comments:

**Final report. Core #5, bridge #5718.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/6/2018**

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



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **296912** Core No.  Sample Description **BRIDGE CORE** Sampled **9/12/2018** Received **9/12/2018**

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

WIN/Town **023631.00 - NEW PORTLAND** Bridge No.: **5718** Station: **0 + 13.7** Offset, ft: **10.3, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                     |                |
|-----------------------------|---------------------|----------------|
|                             | Location, inch      | Strength, psi  |
| Specimen 1                  | <b>7.0" - 10.0"</b> | <b>6980.00</b> |
| Specimen 2                  |                     |                |
| Specimen 3                  |                     |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>6.5-7.0</b>           | <b>4.8</b>                         |
| <b>10.0-10.5</b>         | <b>0.77</b>                        |
| <b>11.25-11.75</b>       | <b>0.36</b>                        |

#### Comments:

**Final report. Core #6, bridge #5718.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **10/6/2018**

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

New Portland - New Great Works - Bridge #5718

Ref. No. 296907 Core #1 STA 0 + 29.6 13.7' Left



New Portland - New Great Works - Bridge #5718

Ref. No. 296908 Core #2 STA 0 + 12.7 3' Left



New Portland - New Great Works - Bridge #5718

Ref. No. 296909 Core #3 STA 0 - 01 9.5' Left



New Portland - New Great Works - Bridge #5718

Ref. No. 296912 Core #6 STA 0 + 13.7 10.3' Right



New Portland - New Great Works - Bridge #5718

Ref. No. 296911 Core #5 STA 1 + 29 2.9' Right



New Portland - New Great Works - Bridge #5718

Ref. No. 296910 Core #4 STA 0 + 43.8 12.3' Right

