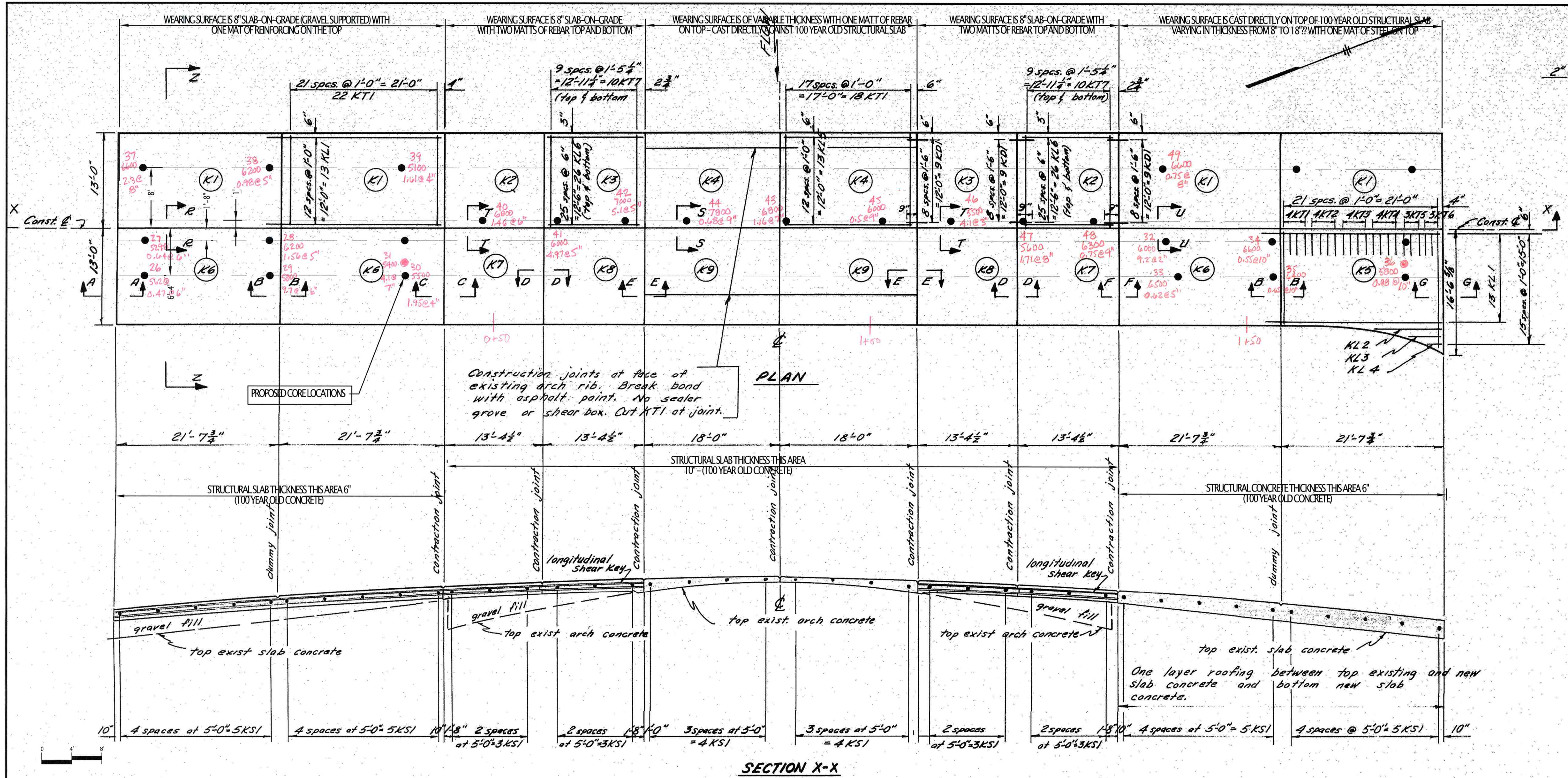




DECK CORES ARE DESIRED FOR BOTH THE WEARING SURFACE AND FOR THE SLAB PORTION OF THE 100 YEAR OLD STRUCTURAL SLAB AND GIRDER SYSTEM SUPPORTING THE WEARING SURFACE DECK. SEE SECTIONS FOR TRANSVERSE LOCATION OF CORES SO AS TO AVOID CORING INTO INTEGRAL BEAM SECTIONS OF SUPPORTING SLAB SYSTEM OR ARCH SECTIONS NEAR THE CROWN

**KEY**  
39 Core # 336039  
6800 Concrete Strength Psi  
1.61 @ 4" Chloride content lb/cy @ 4" DEEP

1.35 lb/cy Threshold of corrosive conditions

SEPTEMBER 2018  
DECK CORES

|                                                |                                                                                                   |          |                          |          |                 |          |              |          |  |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|----------|--------------------------|----------|-----------------|----------|--------------|----------|--|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION | STP-2081(500)                                                                                     |          | WIN<br>020815.00         |          | BRIDGE NO. 2135 |          | BRIDGE PLANS |          |  |
|                                                | KINGFILED, CENTENIAL BRIDGE<br>STATE ROUTE 116 OVER CARRABASSSETT RIVER<br>BRIDGE #5852 WIN 23048 |          | TOP SLAB RECORD DRAWINGS |          | SHEET NUMBER    |          | 1            |          |  |
|                                                | DATE                                                                                              |          | SIGNATURE                |          | P.E. NUMBER     |          | DATE         |          |  |
| PROJECT MANAGER                                |                                                                                                   | DESIGNER |                          | CHECKER  |                 | DESIGNER |              | CHECKER  |  |
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# BRIDGE DECK CORING FIELD LOG

Town: Kingfield PIN/Project No.: 023048.00  
 Bridge Name: Centennial Bridge No.: 5852 Bridge Length: 176  
 Coring Personnel: Lamont, Andrew Date Cored: 9-5-2018

| Core No. | ✓ if lab sample          | Reference No. | Station  | Offset | Pavement Depth | Concrete Depth | Rebar?                                                              | Corrosion?                                                          | Membrane?                                                           | Bonded?                                                  | Comments                                                                       |
|----------|--------------------------|---------------|----------|--------|----------------|----------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------|
| 1        | <input type="checkbox"/> | 336026        | 0 + 04   | 6' R   | 5              | 2 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 | 1/2" - 3/4" of wear surface until a void of about 1/2".                        |
| 2        | <input type="checkbox"/> | 336027        | 0 + 04   | 2' R   | 5 3/4"         | 1 3/4"         | <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 | #4 rebar @ 7 1/4" down from surface. Wear surface about 9" thick with 1" void. |
| 3        | <input type="checkbox"/> | 336028        | 0 + 19.7 | 2' R   | 5"             | 2 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 | About 3" more of concrete with a void of about 1 1/4".                         |
| 4        | <input type="checkbox"/> | 336029        | 0 + 20.7 | 6.3' R | 4"             | 3 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 | 1/2" of concrete thin a void.                                                  |
| 5        | <input type="checkbox"/> | 336030        | 0 + 37.3 | 6' R   | 5"             | 2 1/4"         | <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 | Wear surface about 11".                                                        |
| 6        | <input type="checkbox"/> | 336031        | 0 + 36.9 | 1.5' R | 3 1/2"         | 3 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 | About 1" more of wear surface thin a large void 3" or more.                    |
| 7        | <input type="checkbox"/> | 336032        | 1 + 38.4 | 2' R   | 5.75"          | 1"             | <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 |                                                                                |
| 8        | <input type="checkbox"/> | 336033        | 1 + 40.4 | 5' R   | 5 3/4"         | 3 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 |                                                                                |
| 9        | <input type="checkbox"/> | 336034        | 1 + 52   | 1.8' R | 6"             | 3 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 |                                                                                |

| Core No. | ✓ if lab sample          | Reference No. | Station  | Offset | Pavement Depth | Concrete Depth | Rebar?                                                              | Corrosion?                                               | Membrane?                                                           | Bonded?                                                  | Comments                                                                        |
|----------|--------------------------|---------------|----------|--------|----------------|----------------|---------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------|
| 10       | <input type="checkbox"/> | 336035        | 1 + 52   | 6.5' R | 5 1/4"         | 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 |                                                                                 |
| 11       | <input type="checkbox"/> | 336036        | 1 + 68.5 | 4.5' R | 5 1/2"         | 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 |                                                                                 |
| 12       | <input type="checkbox"/> | 336037        | 0 + 04   | 8' L   | 4 1/4"         | 2 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 | Wear surface is delaminated 4 1/2" down.                                        |
| 13       | <input type="checkbox"/> | 336038        | 0 + 19.7 | 8' L   | 4 1/2"         | 2 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 | Roughly 1" of concrete thin a void.                                             |
| 14       | <input type="checkbox"/> | 336039        | 0 + 37.3 | 8' L   | 3 3/4"         | 3 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 | About 2" more of concrete.                                                      |
| 15       | <input type="checkbox"/> | 336040        | 0 + 49   | 1' L   | 6"             | 1"             | <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 |                                                                                 |
| 16       | <input type="checkbox"/> | 336041        | 0 + 56   | 1' L   | 5"             | 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 | Depth of core hole 7 3/4". Core broken into pieces while trying to remove core. |
| 17       | <input type="checkbox"/> | 336042        | 0 + 68   | 1' L   | 6 1/4"         | 1"             | <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 | Depth of core hole 7 1/4".                                                      |
| 18       | <input type="checkbox"/> | 336043        | 0 + 89   | 1' L   | 6 1/2"         | 3"<br>Very Old | <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 | At least 2" more of wear surface is there.                                      |
| 19       | <input type="checkbox"/> | 336044        | 0 + 79   | 1' L   | 7 1/2"         | 3"<br>Very Old | <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 | Hammer drill went 15" down from surface with no voids.                          |

| Core No. | ✓ if lab sample          | Reference No. | Station | Offset | Pavement Depth | Concrete Depth | Rebar?                                                              | Corrosion?                                               | Membrane?                                                           | Bonded?                                                  | Comments |
|----------|--------------------------|---------------|---------|--------|----------------|----------------|---------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|----------|
| 20       | <input type="checkbox"/> | 336045        | 1 +00.8 | 1' L   | 5"             | 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 |          |
| 21       | <input type="checkbox"/> | 336046        | 1 + 10  | 1' L   | 6"             | 3 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 |          |
| 22       | <input type="checkbox"/> | 336047        | 1 + 22  | 1' L   | 4"             | 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 |          |
| 23       | <input type="checkbox"/> | 336048        | 1 + 28  | 1' L   | 4"             | 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 |          |
| 24       | <input type="checkbox"/> | 336049        | 1 + 39  | 8' L   | 3"             | 7"             | <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 |          |
| 25       | <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 |          |
| 26       | <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 |          |
| 27       | <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 |          |
| 28       | <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 |          |
| 29       | <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                 |
| <b>336026</b>                         | <b>1</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>        | <b>9/5/2018</b>          |
| Sample Type: <b>OTHER</b>             |          | Sampler: <b>LAMONT DUTRA</b> | Sample Location:       |                          |
| WIN/Town <b>023048.00 - KINGFIELD</b> |          | Bridge No.: <b>5852</b>      | Station: <b>0 + 04</b> | Offset, ft: <b>6, RT</b> |

### TEST RESULTS

| Compressive Strength (T 22) |                    |                |
|-----------------------------|--------------------|----------------|
|                             | Location, inch     | Strength, psi  |
| Specimen 1                  | <b>2.0" - 5.0"</b> | <b>5620.00</b> |
| Specimen 2                  |                    |                |
| Specimen 3                  |                    |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.5-1.0</b>           | <b>21.51</b>                       |
| <b>1.5-2.0</b>           | <b>10.35</b>                       |
| <b>5.5-6.0</b>           | <b>0.47</b>                        |
| <b>7.0-7.5</b>           | <b>0.74</b>                        |

#### Comments:

**Final report. Core #1, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

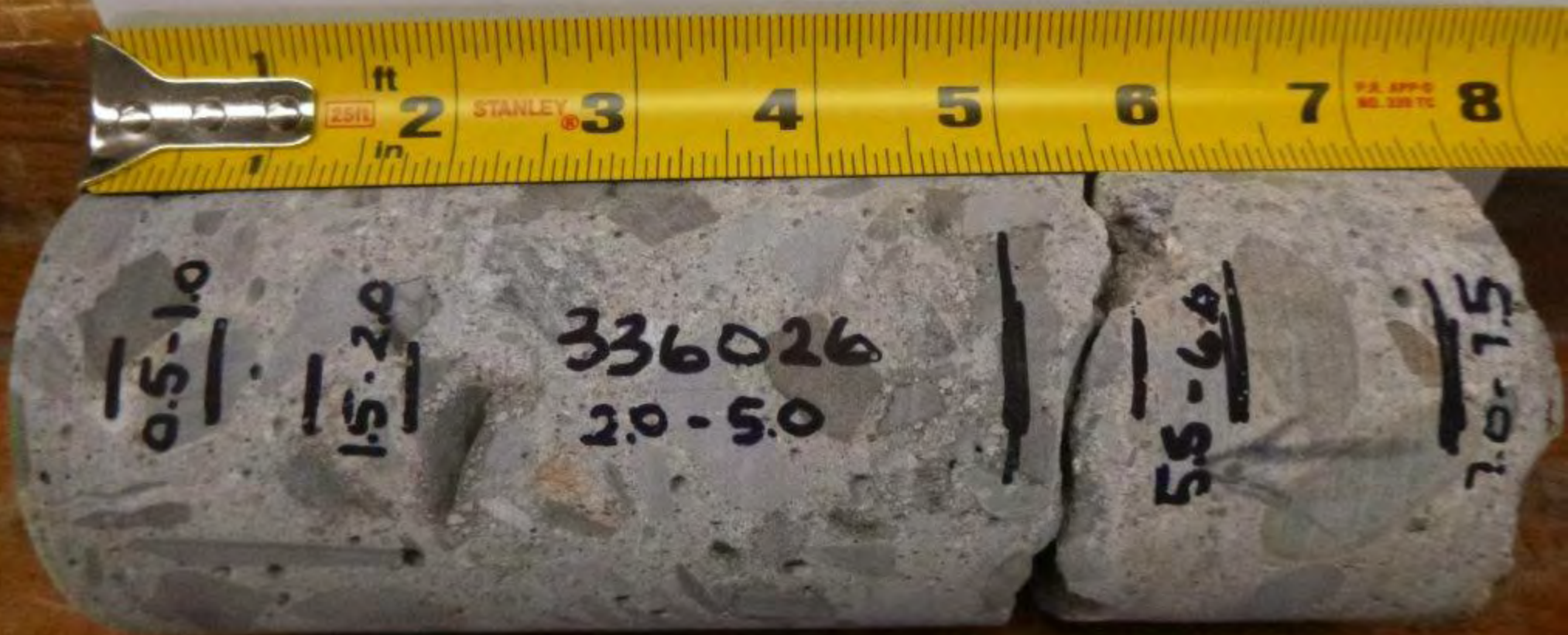
Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

Kingfield - Centennial Bridge #5852

Ref. No. 336026 Core #1 STA 0 + 04 6' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336027** Core No. **2** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **0 + 04** Offset, ft: **2, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                  |                |
|-----------------------------|------------------|----------------|
|                             | Location, inch   | Strength, psi  |
| Specimen 1                  | <b>0" - 4.0"</b> | <b>5290.00</b> |
| Specimen 2                  |                  |                |
| Specimen 3                  |                  |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>4.0-4.5</b>           | <b>1.27</b>                        |
| <b>5.75-6.25</b>         | <b>0.64</b>                        |

#### Comments:

**Final report. Core #2, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

Kingfield - Centennial Bridge #5852

Ref. No. 336027 Core #2 STA 0 + 04 2' Right



336027  
0-4.0

5.45

5.75-6.25



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |          |                              |                                                    |                 |
|---------------------------------------|----------|------------------------------|----------------------------------------------------|-----------------|
| Reference No.                         | Core No. | Sample Description           | Sampled                                            | Received        |
| <b>336028</b>                         | <b>3</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>                                    | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             |          | Sampler: <b>LAMONT DUTRA</b> | Sample Location:                                   |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> |          | Bridge No.: <b>5852</b>      | Station: <b>0 + 19.7</b> Offset, ft: <b>2', RT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 1" - 4"        | 6220.00       |
| Specimen 2                  | 5" - 7.5"      | 6140.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 0.5-1.0                  | 22.56                              |
| 4.0-4.5                  | 1.56                               |

#### Comments:

Final report. Core #3, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File    Electronic: Customer —

Kingfield - Centennial Bridge #5852

Ref. No. 336028 Core #3 STA 0 + 19.7 2' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336029** Core No. **4** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **0 + 20.7** Offset, ft: **6.3, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                     |                |
|-----------------------------|---------------------|----------------|
|                             | Location, inch      | Strength, psi  |
| Specimen 1                  | <b>0.0" - 3.75"</b> | <b>5980.00</b> |
| Specimen 2                  | <b>4.5" - 7.0"</b>  | <b>5760.00</b> |
| Specimen 3                  |                     |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>3.75-4.25</b>         | <b>4.53</b>                        |
| <b>4.0-7.25</b>          | <b>9.73</b>                        |

#### Comments:

**Final report. Core #4, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

# Kingfield - Centennial Bridge #5852

Ref. No. 336029 Core #4 STA 0 + 20.7 6.3' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336030** Core No. **5** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **0 + 37.3** Offset, ft: **6, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 0.5" - 4.0"    | 6800.00       |
| Specimen 2                  | 4.5" - 7.25"   | 5450.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 0.0-0.5                  | 23.72                              |
| 4.0-4.5                  | 1.95                               |

#### Comments:

Final report. Core #5, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

# Kingfield - Centennial Bridge #5852

Ref. No. 336030 Core #5 STA 0 + 37.3 6' Right



0.5-1.0

336030  
0.5-4.0

4.0-4.5

336030  
4.5-7.25



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. Core No. Sample Description Sampled Received  
**336031** **6** **BRIDGE CORE** **9/5/2018** **9/5/2018**

Sample Type: **OTHER** Sampler: **LAMONT DUTRA** Sample Location:  
WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **0 + 36.9** Offset, ft: **4.5, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                    |                |
|-----------------------------|--------------------|----------------|
|                             | Location, inch     | Strength, psi  |
| Specimen 1                  | <b>3.5" - 6.5"</b> | <b>5390.00</b> |
| Specimen 2                  |                    |                |
| Specimen 3                  |                    |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.5-1.0</b>           | <b>13.55</b>                       |
| <b>1.5-2.0</b>           | <b>6.84</b>                        |
| <b>6.5-7.0</b>           | <b>4.09</b>                        |

#### Comments:

Final report. Core #6, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File    Electronic: Customer —

# Kingfield - Centennial Bridge #5852

Ref. No. 336031 Core #6 STA 0 + 36.9 1.5' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336032** Core No. **7** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **1 + 38.4** Offset, ft: **2, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                    |                |
|-----------------------------|--------------------|----------------|
|                             | Location, inch     | Strength, psi  |
| Specimen 1                  | <b>2.0" - 5.0"</b> | <b>6000.00</b> |
| Specimen 2                  |                    |                |
| Specimen 3                  |                    |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.5-1.0</b>           | <b>18.14</b>                       |
| <b>1.5-2.0</b>           | <b>9.2</b>                         |

#### Comments:

Final report. Core #7, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File Electronic: Customer —

Kingfield - Centennial Bridge #5852

Ref. No. 336032 Core #7 STA 1 + 38.4 2' Right



0.1-5.0

1.5-3.0

336032  
2.0-5.0



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336033** Core No. **8** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **1 + 40.4** Offset, ft: **5, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 0.0" - 3.75"   | 7790.00       |
| Specimen 2                  | 6.0" - 9.25"   | 6490.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 3.75-4.25                | 0.49                               |
| 5.0-5.5                  | 0.62                               |

#### Comments:

Final report. Core #8, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

Kingfield - Centennial Bridge #5852  
Ref. No. 336033 Core #8 STA 1 + 40.4 5' Right

336033  
0-3.75

375-425

55-05

336033  
2.0-9.25



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336034** Core No. **9** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **1 + 52** Offset, ft: **1.8, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                     |                |
|-----------------------------|---------------------|----------------|
|                             | Location, inch      | Strength, psi  |
| Specimen 1                  | <b>2.25" - 6.0"</b> | <b>7330.00</b> |
| Specimen 2                  | <b>6.25" - 9.5"</b> | <b>6570.00</b> |
| Specimen 3                  |                     |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.5-1.0</b>           | <b>17</b>                          |
| <b>1.75-2.25</b>         | <b>4.6</b>                         |
| <b>9.5-10.0</b>          | <b>0.55</b>                        |

#### Comments:

Final report. Core #9, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File Electronic: Customer —

Kingfield - Centennial Bridge #5852  
Ref. No. 336034 Core #9 STA 1 + 52 1.8' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336035** Core No. **10** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **1 + 52** Offset, ft: **6.5, RT**

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 0" - 4.0"      | 7380.00       |
| Specimen 2                  | 6.0" - 9.5"    | 6400.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 4.0-4.5                  | 0.38                               |
| 5.5-6.0                  | 0.34                               |
| 9.5-10.0                 | 0.65                               |

#### Comments:

Final report. Core #10, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File Electronic: Customer —

Kingfield - Centennial Bridge #5852  
Ref. No. 336035 Core #10 STA 1 + 52 6.5' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |           |                              |                                                     |                 |
|---------------------------------------|-----------|------------------------------|-----------------------------------------------------|-----------------|
| Reference No.                         | Core No.  | Sample Description           | Sampled                                             | Received        |
| <b>336036</b>                         | <b>11</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>                                     | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             |           | Sampler: <b>LAMONT DUTRA</b> | Sample Location:                                    |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> |           | Bridge No.: <b>5852</b>      | Station: <b>1 + 68.5</b> Offset, ft: <b>4.5, RT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 1.0" - 4.5"    | 5580.00       |
| Specimen 2                  | 6.0" - 9.5"    | 5830.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 0.5-1.0                  | 16.34                              |
| 5.5-6.0                  | 0.4                                |
| 9.5-10.0                 | 0.88                               |

#### Comments:

Final report. Core #11, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

Kingfield - Centennial Bridge #5852

Ref. No. 336036 Core #11 STA 1 + 68.5 4.5' Right





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. **336037** Core No. **12** Sample Description **BRIDGE CORE** Sampled **9/5/2018** Received **9/5/2018**

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

WIN/Town **023048.00 - KINGFIELD** Bridge No.: **5852** Station: **0 + 04** Offset, ft: **8, LT**

### TEST RESULTS

| Compressive Strength (T 22) |                   |                |
|-----------------------------|-------------------|----------------|
|                             | Location, inch    | Strength, psi  |
| Specimen 1                  | <b>0" - 3.75"</b> | <b>6650.00</b> |
| Specimen 2                  |                   |                |
| Specimen 3                  |                   |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>3.75-4.25</b>         | <b>3.67</b>                        |
| <b>4.5-5.25</b>          | <b>3.2</b>                         |
| <b>6.25-6.75</b>         | <b>2.3</b>                         |

#### Comments:

**Final report. Core #12, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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

# Kingfield - Centennial Bridge #5852

Ref. No. 336037 Core #12 STA 0 + 04 8' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

## SAMPLE INFORMATION

Reference No.

Core No.

## Sample Description

Sampled

Received

**336038**

13

## BRIDGE CORE

**9/5/2018**

**9/5/2018**

Sample Type: **OTHER**

Sampler: **LAMONT DUTRA**

**Sample Location:**

WIN/Town 023048.00 - KINGFIELD

Bridge No.: **5852**

Station: 0 + 19.7      Offset, ft: 8, LT

## TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 1.0" - 4.25"   | 6220.00       |
| Specimen 2                  |                |               |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                       |
|--------------------------|---------------------------------------|
| Location,<br>inch        | Chloride Level,<br>lb/yd <sup>3</sup> |
| 0.5-1.0                  | 16.6                                  |
| 5.0-5.5                  | 0.98                                  |

Comments:

**Final report. Core #13, Bridge 5852.**

## AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: 9/21/2018

*Paper Copy: Structure File      Electronic: Customer —*

# Kingfield - Centennial Bridge #5852

Ref. No. 336038 Core #13 STA 0 + 19.7 8' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |                              |                          |                          |                 |
|---------------------------------------|------------------------------|--------------------------|--------------------------|-----------------|
| Reference No.                         | Core No.                     | Sample Description       | Sampled                  | Received        |
| <b>336039</b>                         | <b>14</b>                    | <b>BRIDGE CORE</b>       | <b>9/5/2018</b>          | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             | Sampler: <b>LAMONT DUTRA</b> | Sample Location:         |                          |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> | Bridge No.: <b>5852</b>      | Station: <b>0 + 37.3</b> | Offset, ft: <b>8, LT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                    |                |
|-----------------------------|--------------------|----------------|
|                             | Location, inch     | Strength, psi  |
| Specimen 1                  | <b>4.0" - 7.0"</b> | <b>5080.00</b> |
| Specimen 2                  |                    |                |
| Specimen 3                  |                    |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.5-1.0</b>           | <b>14.9</b>                        |
| <b>1.75-2.25</b>         | <b>6.24</b>                        |
| <b>3.5-4.0</b>           | <b>1.61</b>                        |

#### Comments:

Final report. Core #14, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File      Electronic: Customer —

Kingfield - Centennial Bridge #5852

Ref. No. 336039 Core #14 STA 0 + 37.3 8' Left



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |           |                              |                                                 |                 |
|---------------------------------------|-----------|------------------------------|-------------------------------------------------|-----------------|
| Reference No.                         | Core No.  | Sample Description           | Sampled                                         | Received        |
| <b>336040</b>                         | <b>15</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>                                 | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             |           | Sampler: <b>LAMONT DUTRA</b> | Sample Location:                                |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> |           | Bridge No.: <b>5852</b>      | Station: <b>0 + 49</b> Offset, ft: <b>1, LT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                    |                |
|-----------------------------|--------------------|----------------|
|                             | Location, inch     | Strength, psi  |
| Specimen 1                  | <b>0.0" - 3.0"</b> | <b>6790.00</b> |
| Specimen 2                  |                    |                |
| Specimen 3                  |                    |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>3.0-3.5</b>           | <b>3.58</b>                        |
| <b>4.5-5.0</b>           | <b>0.77</b>                        |
| <b>6.0-6.5</b>           | <b>1.46</b>                        |



#### Comments:

Final report. Core #15, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File      Electronic: Customer —

# Kingfield - Centennial Bridge #5852

Ref. No. 336040 Core #15 STA 0 + 49 1' Left



336040  
0-3.0

15.5  
3.0

45.5

60-65



# BRIDGE CORE TEST REPORT

## Central Laboratory

## SAMPLE INFORMATION

Reference No.

Core No.

### Sample Description

Sampled

Received

336041

16

## BRIDGE CORE

**9/5/2018**

9/5/2018

Sample Type: **OTHER**

Sampler: **LAMONT DUTRA**

**Sample Location:**

WIN/Town 023048.00 - KINGFIELD

Bridge No.: **5852**

Station: 0 + 56

Offset, ft: 1, LT

## TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 1.0" - 5.0"    | 6000.00       |
| Specimen 2                  |                |               |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                       |
|--------------------------|---------------------------------------|
| Location,<br>inch        | Chloride Level,<br>lb/yd <sup>3</sup> |
| 0.5-1.0                  | 17.71                                 |
| 5.0-5.5                  | 4.97                                  |

## Comments:

**Final report. Core #16, Bridge 5852.**

## AUTHORIZATION AND DISTRIBUTION

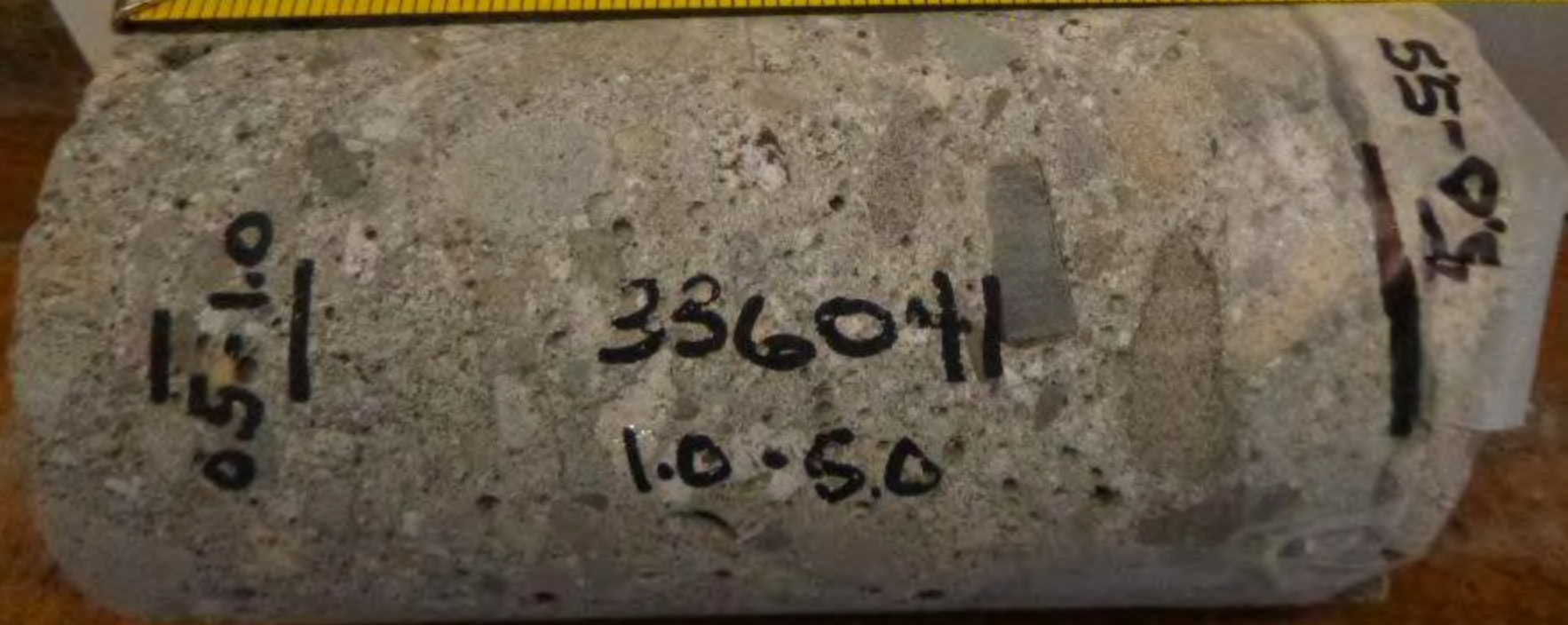
Reported by: **ROBERT HARADON**

Date Reported: 9/21/2018

*Paper Copy: Structure File      Electronic: Customer —*

# Kingfield - Centennial Bridge #5852

Ref. No. 336041 **Core #16** STA 0 + 56 1' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |           |                              |                                                 |                 |
|---------------------------------------|-----------|------------------------------|-------------------------------------------------|-----------------|
| Reference No.                         | Core No.  | Sample Description           | Sampled                                         | Received        |
| <b>336042</b>                         | <b>17</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>                                 | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             |           | Sampler: <b>LAMONT DUTRA</b> | Sample Location:                                |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> |           | Bridge No.: <b>5852</b>      | Station: <b>0 + 68</b> Offset, ft: <b>1, LT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                     |                |
|-----------------------------|---------------------|----------------|
|                             | Location, inch      | Strength, psi  |
| Specimen 1                  | <b>0.0" - 3.25"</b> | <b>7060.00</b> |
| Specimen 2                  |                     |                |
| Specimen 3                  |                     |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>3.25-3.75</b>         | <b>1.77</b>                        |
| <b>4.75-5.25</b>         | <b>5.1</b>                         |

#### Comments:

**Final report. Core #17, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File      Electronic: Customer —

# Kingfield - Centennial Bridge #5852

Ref. No. 336042 Core #17 STA 0 + 68 1' Left



336042

0-3.25

3.25-3.75

3.75-5.25



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |           |                              |                        |                          |
|---------------------------------------|-----------|------------------------------|------------------------|--------------------------|
| Reference No.                         | Core No.  | Sample Description           | Sampled                | Received                 |
| <b>336043</b>                         | <b>18</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>        | <b>9/5/2018</b>          |
| Sample Type: <b>OTHER</b>             |           | Sampler: <b>LAMONT DUTRA</b> | Sample Location:       |                          |
| WIN/Town <b>023048.00 - KINGFIELD</b> |           | Bridge No.: <b>5852</b>      | Station: <b>0 + 89</b> | Offset, ft: <b>1, LT</b> |

### TEST RESULTS

| Compressive Strength (T 22) |                      |                |
|-----------------------------|----------------------|----------------|
|                             | Location, inch       | Strength, psi  |
| Specimen 1                  | <b>2.25" - 6.25"</b> | <b>6760.00</b> |
| Specimen 2                  | <b>7.0" - 9.5"</b>   | <b>7210.00</b> |
| Specimen 3                  |                      |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.5-1.0</b>           | <b>22.64</b>                       |
| <b>1.75-2.25</b>         | <b>8.76</b>                        |
| <b>6.5-7.0</b>           | <b>1.16</b>                        |

#### Comments:

**Final report. Core #18, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

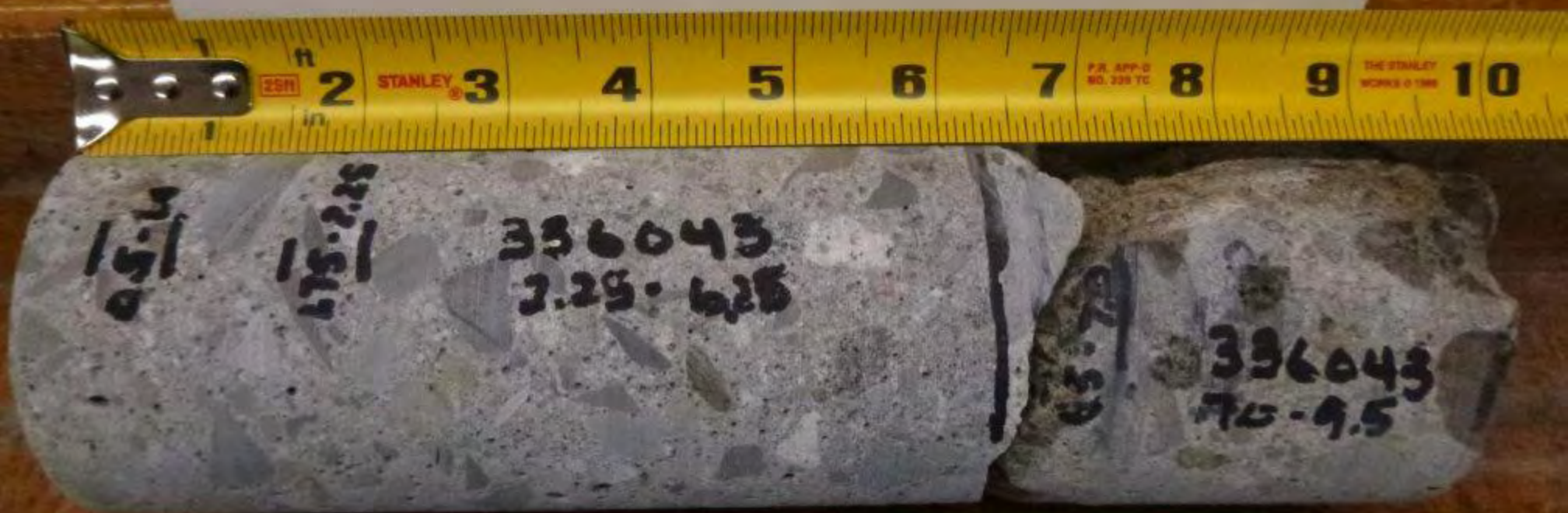
Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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Kingfield - Centennial Bridge #5852

Ref. No. 336043 Core #18 STA 0 + 89 1' Left



Kingfield - Centennial Bridge #5852

Ref. No. 336043 **Core #18** STA 0 + 89 1' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |                              |                        |                          |                 |
|---------------------------------------|------------------------------|------------------------|--------------------------|-----------------|
| Reference No.                         | Core No.                     | Sample Description     | Sampled                  | Received        |
| <b>336044</b>                         | <b>19</b>                    | <b>BRIDGE CORE</b>     | <b>9/5/2018</b>          | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             | Sampler: <b>LAMONT DUTRA</b> | Sample Location:       |                          |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> | Bridge No.: <b>5852</b>      | Station: <b>0 + 79</b> | Offset, ft: <b>1, LT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 3.0" - 7.25"   | 7890.00       |
| Specimen 2                  |                |               |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 1.0-1.5                  | 12.68                              |
| 2.5-3.0                  | 2.33                               |
| 7.5-8.0                  | 0.94                               |
| 9.25-9.75                | 0.68                               |

#### Comments:

Final report. Core #19, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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Kingfield - Centennial Bridge #5852

Ref. No. 336044 Core #19 STA 0 + 79 1' Left

10-16

26-30

336044  
5.0 - 7.25

15-20

21.5-27.6



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No. Core No.

Sample Description

Sampled

Received

**336045****20**BRIDGE CORE

9/5/2018

9/5/2018

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

Sample Location:

WIN/Town **023048.00 - KINGFIELD**Bridge No.: **5852**Station: **1 + 00.8**Offset, ft: **1, LT**

### TEST RESULTS

| Compressive Strength (T 22) |                      |                |
|-----------------------------|----------------------|----------------|
|                             | Location, inch       | Strength, psi  |
| Specimen 1                  | <b>1.5" - 5.0"</b>   | <b>8040.00</b> |
| Specimen 2                  | <b>5.75" - 9.25"</b> | <b>6000.00</b> |
| Specimen 3                  |                      |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>1.0-1.5</b>           | <b>14.4</b>                        |
| <b>5.25-5.75</b>         | <b>0.41</b>                        |
| <b>9.25-9.75</b>         | <b>0.5</b>                         |

**Comments:****Final report. Core #20, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**Date Reported: **9/21/2018**Paper Copy: *Structure File*    Electronic: *Customer* —

Kingfield - Centennial Bridge #5852  
Ref. No. 336045 Core #20 STA 0 + 00.8 1' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

Reference No.

Core No.

Sample Description

Sampled

Received

**336046****21****BRIDGE CORE****9/5/2018****9/5/2018**Sample Type: **OTHER**Sampler: **LAMONT DUTRA**

Sample Location:

WIN/Town **023048.00 - KINGFIELD**Bridge No.: **5852**Station: **1 + 10**Offset, ft: **1, LT**

### TEST RESULTS

| Compressive Strength (T 22) |                      |                |
|-----------------------------|----------------------|----------------|
|                             | Location, inch       | Strength, psi  |
| Specimen 1                  | <b>2.75" - 6.0"</b>  | <b>5520.00</b> |
| Specimen 2                  | <b>6.25" - 9.25"</b> | <b>7550.00</b> |
| Specimen 3                  |                      |                |

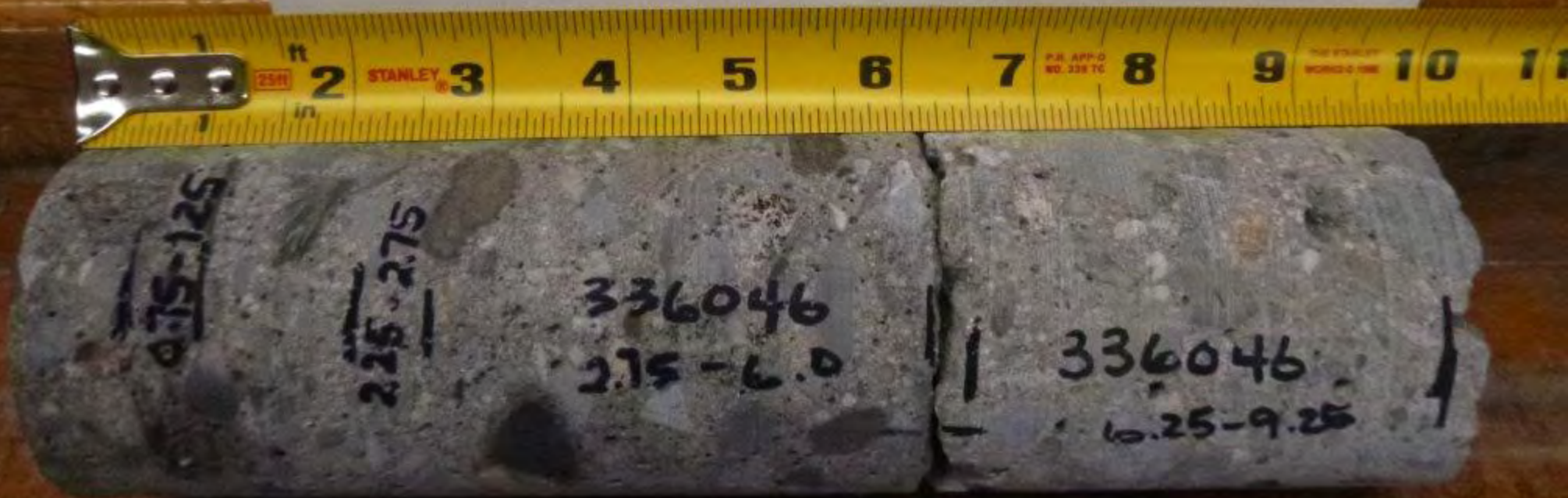
| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>0.75-1.25</b>         | <b>12.8</b>                        |
| <b>2.25-2.75</b>         | <b>4.14</b>                        |

Comments:**Final report. Core #21, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**Date Reported: **9/21/2018**Paper Copy: *Structure File*    Electronic: *Customer* —

Kingfield - Centennial Bridge #5852  
Ref. No. 336046 Core #21 STA 1 + 10 1' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |                              |                    |                        |                          |
|---------------------------------------|------------------------------|--------------------|------------------------|--------------------------|
| Reference No.                         | Core No.                     | Sample Description | Sampled                | Received                 |
| <b>336047</b>                         | <b>22</b>                    | <b>BRIDGE CORE</b> | <b>9/5/2018</b>        | <b>9/5/2018</b>          |
| Sample Type: <b>OTHER</b>             | Sampler: <b>LAMONT DUTRA</b> |                    | Sample Location:       |                          |
| WIN/Town <b>023048.00 - KINGFIELD</b> | Bridge No.: <b>5852</b>      |                    | Station: <b>1 + 22</b> | Offset, ft: <b>1, LT</b> |

### TEST RESULTS

| Compressive Strength (T 22) |                    |                |
|-----------------------------|--------------------|----------------|
|                             | Location, inch     | Strength, psi  |
| Specimen 1                  | <b>0.0" - 3.5"</b> | <b>5550.00</b> |
| Specimen 2                  | <b>4.5" - 7.5"</b> | <b>6180.00</b> |
| Specimen 3                  |                    |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>3.5-4.0</b>           | <b>2.27</b>                        |
| <b>7.5-8.0</b>           | <b>1.71</b>                        |

#### Comments:

**Final report. Core #22, Bridge 5852.**

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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Kingfield - Centennial Bridge #5852

Ref. No. 336047 Core #22 STA 1 + 22 1' Left



336047

0 - 3.5

0.5 - 1.0

336047

4.5 - 7.5

0.5 - 1.0



# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |                              |                        |                          |                 |
|---------------------------------------|------------------------------|------------------------|--------------------------|-----------------|
| Reference No.                         | Core No.                     | Sample Description     | Sampled                  | Received        |
| <b>336048</b>                         | <b>23</b>                    | <b>BRIDGE CORE</b>     | <b>9/5/2018</b>          | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             | Sampler: <b>LAMONT DUTRA</b> | Sample Location:       |                          |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> | Bridge No.: <b>5852</b>      | Station: <b>1 + 28</b> | Offset, ft: <b>1, LT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                     |                |
|-----------------------------|---------------------|----------------|
|                             | Location, inch      | Strength, psi  |
| Specimen 1                  | <b>4.75" - 8.5"</b> | <b>6360.00</b> |
| Specimen 2                  |                     |                |
| Specimen 3                  |                     |                |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| <b>4.25-4.75</b>         | <b>2.14</b>                        |
| <b>8.5-9.0</b>           | <b>0.75</b>                        |
|                          |                                    |
|                          |                                    |
|                          |                                    |
|                          |                                    |

#### Comments:

Final report. Core #23, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

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Kingfield - Centennial Bridge #5852  
Ref. No. 336048 Core #23 STA 1 + 28 1' Left





# BRIDGE CORE TEST REPORT

## Central Laboratory

### SAMPLE INFORMATION

|                                       |           |                              |                                                 |                 |
|---------------------------------------|-----------|------------------------------|-------------------------------------------------|-----------------|
| Reference No.                         | Core No.  | Sample Description           | Sampled                                         | Received        |
| <b>336049</b>                         | <b>24</b> | <b>BRIDGE CORE</b>           | <b>9/5/2018</b>                                 | <b>9/5/2018</b> |
| Sample Type: <b>OTHER</b>             |           | Sampler: <b>LAMONT DUTRA</b> | Sample Location:                                |                 |
| WIN/Town <b>023048.00 - KINGFIELD</b> |           | Bridge No.: <b>5852</b>      | Station: <b>1 + 39</b> Offset, ft: <b>8, LT</b> |                 |

### TEST RESULTS

| Compressive Strength (T 22) |                |               |
|-----------------------------|----------------|---------------|
|                             | Location, inch | Strength, psi |
| Specimen 1                  | 3.5" - 6.75"   | 6640.00       |
| Specimen 2                  | 7.25" - 9.75"  | 6700.00       |
| Specimen 3                  |                |               |

| Chloride Content (T 260) |                                    |
|--------------------------|------------------------------------|
| Location, inch           | Chloride Level, lb/yd <sup>3</sup> |
| 1.0-1.5                  | 9.4                                |
| 3.0-3.5                  | 1.71                               |
| 8.0-8.5                  | 0.75                               |

#### Comments:

Final report. Core #24, Bridge 5852.

### AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **9/21/2018**

Paper Copy: Structure File      Electronic: Customer —

Kingfield - Centennial Bridge #5852

Ref. No. 336049 Core #24 STA 1 + 39 8' Left

