

| Bridge Inspection                   |                                      |        |                   |          |  |                 |   |    |  |
|-------------------------------------|--------------------------------------|--------|-------------------|----------|--|-----------------|---|----|--|
| Bridge File Number                  | 07055 -2 Bridge                      |        |                   |          | Form Type  | SG              |   |    |  |
| Year Built/Year Supstr              | 2008/2008                            |        |                   |          | Lot No.  | 4               |   |    |  |
| Bridge or Town Name                 | ATHABASCA                            |        |                   |          | Inspector Name   | Wade Nanninga   |   |    |  |
| Located Over                        | BAPTISTE CREEK, 8.11.73, WATERCRS-ST |        |                   |          | Inspector Class  | BR CLS A        |   |    |  |
| Located On                          | 2:42 C1 17.966                       |        |                   |          | Assistant Name   |                 |   |    |  |
| Water Body Cl./Year                 |                                      |        |                   |          | Assistant Class  |                 |   |    |  |
| Navigabil. Cl./Year                 |                                      |        |                   |          | Inspection Date  | 25-Mar-2013     |   |    |  |
| Legal Land Location                 | SW SEC 6 TWP 67 RGE 23 W4M           |        |                   |          | Data Entry By  | Theresa Lacusta |   |    |  |
| Longitude, Latitude                 | -113:30:47, 54:46:02                 |        |                   |          | Data Entry Date  | 05-Apr-2013     |   |    |  |
| Road Authority                      | Alberta Transportation (AIT)         |        |                   |          | Reviewer Name  | Eric Carcoux    |   |    |  |
| Contract Main. Area                 | CMA10                                |        |                   |          | Review Date  | 03-Apr-2013     |   |    |  |
| Clear Roadway/Skew                  | 11 / -15 deg. (LHF)                  |        |                   |          | Dept. Reviewer Name  | Brent Herrick   |   |    |  |
| AADT/Year                           | 1,530 / 2011 (A)                     |        |                   |          | Dept. Review Date  | 08-Apr-2013     |   |    |  |
| Road Classification                 | RAU-210-110                          |        |                   |          | Follow-Up By   |                 |   |    |  |
| Detour Length (km)                  | 50                                   |        |                   |          |  |                 |   |    |  |
| Allowable Load (t):                 | Single                               | CS1 28 | Semi              | CS2 49   | Train  | CS3 62          | ----> On Critical Spans<br>---->Critical Member |    |  |
| Design Loading:                     | CL800                                |        |                   |          |  |                 | ----> Primary Span                              |    |  |
| Posting Information                 |                                      |        |                   |          |  |                 |   |    |  |
| Required Load Posting (t)           | Single                               |        |                   |          | Semi   |                 | Truck Train                                     |    |  |
| Posted Loading (t)                  | Single                               |        |                   |          | Semi   |                 | Truck Train                                     |    |  |
| Posted:                             | Lane                                 | WB     | At Junction (Y/N) | No       | In Advance (Y/N)   | No              | At Bridge (Y/N)                                 | No |  |
| Posted:                             | Lane                                 | EB     | At Junction (Y/N) | No       | In Advance (Y/N)   | No              | At Bridge (Y/N)                                 | No |  |
| Remarks                             | Not required.                        |        |                   |          |  |                 |   |    |  |
| Hazard Marker At Bridge (Y/N)       | No                                   |        |                   |          |  |                 |   |    |  |
| Remarks                             | Not required.                        |        |                   |          |  |                 |   |    |  |
| Other Sign Types                    |                                      |        |                   |          |  |                 |   |    |  |
| Utilities (Located at)              |                                      |        |                   |          |  |                 |   |    |  |
| Utility Attachments                 | TELEPHONE UTILITIES; POWER UTILITIES |        |                   |          |  |                 |   |    |  |
| Telephone                           | West ditch.                          |        |                   |          | Gas  |                 |   |    |  |
| Power                               | 3 wires East r/w.                    |        |                   |          | Municipal  |                 |   |    |  |
| Others                              |                                      |        |                   |          | Problem (Y/N)  | No              |   |    |  |
| Remarks                             |                                      |        |                   |          |  |                 |   |    |  |
| Approach Road                       |                                      |        |                   |          |  |                 |   |    |  |
|                                     |                                      |        | Last              | Now      | Explanation of Condition   |                 |   |    |  |
| Horizontal Alignment                |                                      |        | 7                 | 7        | L R intersection 200m North.   |                 |   |    |  |
| Vertical Alignment                  |                                      |        | 7                 | 7        |  |                 |   |    |  |
| Roadway Width (m)                   | 11.000                               |        |                   |          | Approaches on both sides of bridge have settled approx 10mm. ~ Patched |                 |   |    |  |
| Approach Bump                       |                                      |        | 5                 | 5        |  |                 |   |    |  |
| Guardrail (Y/N)                     | Yes                                  |        |                   |          |  |                 |   |    |  |
| Guardrail                           |                                      |        | 7                 | 7        |  |                 |   |    |  |
| Length (m)                          | 20.000                               |        |                   |          |  |                 |   |    |  |
| Current Standard (Y/N)              | Yes                                  |        |                   |          |  |                 |   |    |  |
| Termination Type                    | Turn down                            |        |                   |          |  |                 |   |    |  |
| Drainage                            |                                      |        | 7                 | 7        |  |                 |   |    |  |
| <b>Approach Road General Rating</b> |                                      |        | <b>7</b>          | <b>7</b> |  |                 |   |    |  |

| Superstructure  |       |              |       |                          |  |
|---|-------|--------------|-------|--------------------------|--|
| Bridge Component  |       | Last         | Now   | Explanation of Condition |  |
| (Primary Span : <b>WG, 1 Spans, Lengths(m): 47, A-Ident Number: )</b> |       |              |       |                          |  |
| <b>Special Features</b>   |       |              |       |                          |  |
| Special Feature   |       |              | X     |                          |  |
| (Type : )   |       |              |       |                          |  |
| Special Feature   |       |              | X     |                          |  |
| (Type : )   |       |              |       |                          |  |
| Wearing Surface/Deck Top Detail Ratings                               |       |              |       |                          |  |
|   | N (%) | 1 (%)        | 2 (%) | 3 (%)                    |  |
| <b>Last</b>   |       |              |       |                          |  |
| <b>Now</b>  | 10.0  |              |       |                          |  |
| Wearing Surface   |       |              | 8     | 8                        | Snow along curbs.                                |
| (Material Type : <b>MIX TYPE 1 ACP</b> )                              |       |              |       |                          |  |
| (Thickness(mm) : <b>90</b> )  |       |              |       |                          |  |
| Deck Top  |       |              | N     | N                        |  |
| Deck Rideability  |       |              | 8     | 8                        |  |
| Deck Joints   |       |              | X     | X                        | Integral   |
| Temperature (deg. C)  |       | -5           |       |                          |  |
| (Expansion Type : )   |       |              |       |                          |  |
| (Fixed Type : )   |       |              |       |                          |  |
| Gap Size (mm)   |       | Gap Location |       |                          |  |
|   |       |              |       |                          |  |
|   |       |              |       |                          |  |
|   |       |              |       |                          |  |
|   |       |              |       |                          |  |
|   |       |              |       |                          |  |
| Deck Drainage   |       |              | 5     | 4                        | 0.5x6.0m bird bath at NE corner.<br>1.0x1.0 @ SW |
| Drains Clogged (Y/N)  |       | No           |       |                          |  |
| Curbs/Median  |       |              | 9     | N                        |  |
| (Curb Type : <b>Standard</b> )  |       |              |       |                          |  |
| Scaling (Percent Area)  |       | 0            |       |                          |  |
| Bridge Rail   |       |              | 9     | 9                        |  |
| (Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )                         |       |              |       |                          |  |
| Bridge Rail Posts   |       |              | 9     | 9                        |  |
| (Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )          |       |              |       |                          |  |
| Bridge Rail/Posts Coating   |       |              | 9     | 9                        |  |
| (Type : <b>GALVANIZED</b> )   |       |              |       |                          |  |
| Sidewalk  |       |              | X     | X                        |  |
| <b>Girder/Beam</b>  |       |              |       |                          |  |
| Cover Plate   |       |              | X     | X                        |  |
| Flange  |       |              | 9     | 9                        |  |
| Web   |       |              | 9     | 9                        |  |
| Stiffeners  |       |              | 9     | 9                        |  |
| Splice  |       |              | 9     | 9                        |  |
| Weld  |       |              | 9     | 9                        |  |
| Diaphragms/Cross Frame  |       |              | 9     | 9                        |  |

| Superstructure  |     |          |          |  |
|---|-----|----------|----------|--|
| Bridge Component  |     | Last     | Now      | Explanation of Condition   |
| (Primary Span : <b>WG, 1 Spans, Lengths(m): 47, A-Ident Number: )</b> |     |          |          |  |
| Paint Condition   |     | 9        | 9        | Weathering steel   |
| (Colour Description : )   |     |          |          |  |
| (Colour Code : )  |     |          |          |  |
| Touchup Required (Y/N)  | No  |          |          |  |
| Bearings  |     | X        | N        | Integral.  |
| Temperature (deg. C)  | -5  |          |          |  |
| (Expansion Type : )   |     |          |          |  |
| (Fixed Type : )   |     |          |          |  |
| Coating Adequate (Y/N)  | Yes |          |          |  |
| Functioning (Y/N)   | Yes |          |          |  |
| Deck Underside  |     | 7        | 7        | Narrow longitudinal cracks at rebar chair locations.   |
| Stains (Percent Area)   | 0   |          |          |  |
| <b>Span Alignment Problems</b>  |     |          |          |  |
| Vertical (Y/N)  | No  |          |          |  |
| Horizontal (Y/N)  | No  |          |          |  |
| <b>Superstructure General Rating</b>                                  |     | <b>7</b> | <b>7</b> |  |
| Substructure  |     |          |          |  |
| Bridge Component  |     | Last     | Now      | Explanation of Condition   |
| <b>Abutments</b>  |     |          |          |  |
| Bearing Seats/Caps  |     | 9        | 9        |  |
| (Type : <b>CONCRETE</b> )   |     |          |          |  |
| Backwalls/Breastwalls   |     | 9        | 9        | Hairline shrinkage cracks.   |
| Wingwalls   |     | 7        | 7        | Wingwall finish a little rough.<br>Random narrow shrinkage cracks. Some with SP efflorescence. |
| Piles   |     | N        | N        |  |
| Paint/Coating   |     | 5        | 5        | Abutment finish a little rough.<br>Peeling on backwalls.                                       |
| Abutment Stability  |     | 9        | 9        |  |
| Scour/Erosion   |     | 9        | 9        |  |
| <b>Piers/Bents</b>  |     |          |          |  |
| (Type : )   |     |          |          |  |
| Bearing Seats/Caps  |     | X        | X        |  |
| (Type : )   |     |          |          |  |
| (Total Number of Bearing Piles : )                                    |     |          |          |  |
| Pier Shaft/Piles  |     | X        | X        |  |
| Bracing/Struts/Sheathing  |     | X        | X        |  |
| Nose Plate  |     | X        | X        |  |
| Paint/Coating   |     | X        | X        |  |
| (Colour Description : )   |     |          |          |  |
| (Colour Code : )  |     |          |          |  |
| Pier Stability  |     | X        | X        |  |
| Scour   |     | X        | X        |  |
| Debris (Y/N)  | No  |          |          |  |
| <b>Substructure General Rating</b>                                    |     | <b>9</b> | <b>9</b> |  |

| Structure Usage                              |    |          |          |                          |
|--|----|----------|----------|--------------------------|
|  |    | Last     | Now      | Explanation of Condition |
| <b>Channel</b>                               |    |          |          |                          |
| (U/S Direction : <b>W</b> )                  |    |          |          |                          |
| (D/S Direction : <b>E</b> )                  |    |          |          |                          |
| Alignment                                    |    | 9        | 9        |                          |
| Bank Stability                               |    | 7        | 7        |                          |
| HWM (m below Top of Curb)                    |    |          |          | HWM not visible.         |
| Drift (Y/N)                                  | No |          |          |                          |
| Slope Protection                             |    | 8        | 8        |                          |
| (Type : <b>RIP RAP; RIP RAP</b> )            |    |          |          |                          |
| Guidebank/Spurs                              |    | X        | X        |                          |
| Adequacy of Opening                          |    | 9        | 9        |                          |
| (Fish Compensation Measure 1 : <b>NONE</b> ) |    |          |          |                          |
| (Fish Compensation Measure 2 : <b>NONE</b> ) |    |          |          |                          |
| <b>Channel General Rating</b>                |    | <b>7</b> | <b>8</b> |                          |

| Maintenance Recommendations                       |                  |  |                           |               |           |                   |    |
|---|------------------|--|---------------------------|---------------|-----------|-------------------|----|
| Inspector Recommendations                         | Year             | Inspector Comments                       | Department Comments       | Target Year   | Est. Cost | Cat #             |    |
| REPAIR/REPLACE BRIDGE RAIL                        |                  |  |                           |               |           |                   |    |
| GALVANIZE/PAINT BRIDGE RAIL                       |                  |  |                           |               |           |                   |    |
| RETROFIT BRIDGE RAIL                              |                  |  |                           |               |           |                   |    |
| SEAL CURBS  |                  |  |                           |               |           |                   |    |
| PATCH DECK  |                  |  |                           |               |           |                   |    |
| SEAL DECK   |                  |  |                           |               |           |                   |    |
| OVERLAY DECK                                      |                  |  |                           |               |           |                   |    |
| REPAIR/REPLACE DECK JOINTS                        |                  |  |                           |               |           |                   |    |
| RESET/ PAINT BEARINGS                             |                  |  |                           |               |           |                   |    |
| REPAINT SUPERSTRUCTURE                            |                  |  |                           |               |           |                   |    |
| STRAIGHTEN/REPLACE MEMBERS                        |                  |  |                           |               |           |                   |    |
| WASHING   |                  |  |                           |               |           |                   |    |
| SHOTCRETE REPAIRS                                 |                  |  |                           |               |           |                   |    |
| REPAIR ABUTMENT SCOUR/EROSION                     |                  |  |                           |               |           |                   |    |
| PLACE ADDITIONAL RIP RAP                          |                  |  |                           |               |           |                   |    |
| REMOVE DRIFT ACCUMULATION                         |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| <b>Structural Condition Rating (Last/Now) (%)</b> | <b>88.9/88.9</b> | <b>Sufficiency Rating (Last/Now) (%)</b> | <b>75.5/77.1</b>          | Est. Repl. Yr | 2070      | Maint. Req. (Y/N) | No |
| Special Comments for Next Inspection              |                  |  | Department Comments       |               |           |                   |    |
| Maintenance Reviewed By                           |                  |  | Date                      |               |           | Estimated Total   | 0  |
| Proposed Long-Term Strategy                       |                  |  |                           |               |           |                   |    |
| On 3-Year Program (Y/N)                           |                  |  |                           |               |           |                   |    |
| Proposed Action                                   |                  |  |                           |               |           |                   |    |
| Previous Inspector's Name                         | Kris Bosters     |  | Previous Assistant's Name |               |           |                   |    |
| Next Inspection Date                              | 25-Dec-2014      |  | Previous Inspection Date  | 01-Jun-2011   |           |                   |    |
| Inspection Cycle (Default) (months)               | 21               |  |                           |               |           |                   |    |
| Comment   |                  |  |                           |               |           |                   |    |