

| Bridge Inspection      |                                  |        |  |      |                     |                |       |        |                    |   |
|------------------------|----------------------------------|--------|--|------|---------------------|----------------|-------|--------|--------------------|---|
| Bridge File Number     | 07733 -1 Bridge                  |        |  |      | Form Type           | PCS            |       |        |                    |   |
| Year Built/Year Supstr | 1996/1996                        |        |  |      | Lot No.             | 3              |       |        |                    |   |
| Bridge or Town Name    | BEISEKER                         |        |  |      | Inspector Name      | Garry Roberts  |       |        |                    |   |
| Located Over           | ROSEBUD RIVER, 3.33, WATERCRS-ST |        |  |      | Inspector Class     | BR CLS A       |       |        |                    |   |
| Located On             | 72:10 C1 21.943                  |        |  |      | Assistant Name      |                |       |        |                    |   |
| Water Body Cl./Year    |                                  |        |  |      | Assistant Class     |                |       |        |                    |   |
| Navigabil. Cl./Year    |                                  |        |  |      | Inspection Date     | 02-Jun-2012    |       |        |                    |   |
| Legal Land Location    | SE SEC 14 TWP 28 RGE 27 W4M      |        |  |      | Data Entry By       | Kelsey Roberts |       |        |                    |   |
| Longitude, Latitude    | -113:41:12, 51:23:13             |        |  |      | Data Entry Date     | 10-Jul-2012    |       |        |                    |   |
| Road Authority         | Alberta Transportation (AIT)     |        |  |      | Reviewer Name       | Tom Carey      |       |        |                    |   |
| Contract Main. Area    | CMA29                            |        |  |      | Review Date         | 18-Jun-2012    |       |        |                    |   |
| Clear Roadway/Skew     | 11.1 / 35 deg. (RHF)             |        |  |      | Dept. Reviewer Name | Tim Davies     |       |        |                    |   |
| AADT/Year              | 1,930 / 2011 (A)                 |        |  |      | Dept. Review Date   | 12-Jul-2012    |       |        |                    |   |
| Road Classification    | RAU-209-110                      |        |  |      | Follow-Up By        |                |       |        |                    |   |
| Detour Length (km)     | 7                                |        |  |      |                     |                |       |        |                    |   |
| Allowable Load (t):    | Single                           | CS1 28 |  | Semi | CS2 49              |                | Train | CS3 62 |                    | ----> On Critical Spans<br>---->Critical Member |
| Design Loading:        | CS750                            |        |  |      |                     |                |       |        | ----> Primary Span |   |

| Posting Information           |               |    |                   |    |                  |    |                 |    |  |
|-------------------------------|---------------|----|-------------------|----|------------------|----|-----------------|----|--|
| Required Load Posting (t)     |               |    | Single            |    | Semi             |    | Truck Train     |    |  |
| Posted Loading (t)            |               |    | Single            |    | Semi             |    | Truck Train     |    |  |
| Posted:                       | Lane          | EB | At Junction (Y/N) | No | In Advance (Y/N) | No | At Bridge (Y/N) | No |  |
| Posted:                       | Lane          | WB | 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              | River I.D.    |    |                   |    |                  |    |                 |    |  |

| Utilities (Located at) |                                      |  |  |  |               |  |    |  |  |
|------------------------|--------------------------------------|--|--|--|---------------|--|----|--|--|
| Utility Attachments    | POWER UTILITIES-POWER LINE           |  |  |  |               |  |    |  |  |
| Telephone              | South r/w.                           |  |  |  | Gas           |  |    |  |  |
| Power                  | 3 wires 70m East & 1 wire 20m North. |  |  |  | Municipal     |  |    |  |  |
| Others                 |                                      |  |  |  | Problem (Y/N) |  | No |  |  |
| Remarks                |                                      |  |  |  |               |  |    |  |  |

| Approach Road                       |  |          |             |            |  |  |  |  |  |
|-------------------------------------|--|----------|-------------|------------|--|--|--|--|--|
|                                     |  |          | <b>Last</b> | <b>Now</b> | <b>Explanation of Condition</b>  |  |  |  |  |
| Horizontal Alignment                |  |          | 7           | 7          | Colony accesses @ NE & SW.   |  |  |  |  |
| Vertical Alignment                  |  |          | 7           | 7          |  |  |  |  |  |
| Roadway Width (m)                   |  | 4.000    |             |            | Potholes in approach ACP East & West   |  |  |  |  |
| Approach Bump                       |  |          | 4           | 3          |  |  |  |  |  |
| Guardrail (Y/N)                     |  | Yes      |             |            | Miss-drilled (torchcut) holes @ NW. Missing splice bolts- 2 @ NW, 1 @ E. Missing 1 Transition bolt @ SE. |  |  |  |  |
| Guardrail                           |  |          | 3           | 3          | 4 split posts @ NE and 1 at SE.  |  |  |  |  |
| Length (m)                          |  | 44.000   |             |            | Type V1 @ West. Missing 1 post block at SW.  |  |  |  |  |
| Current Standard (Y/N)              |  | No       |             |            | Not thriebeam  |  |  |  |  |
| Termination Type                    |  | TURNDOWN |             |            |  |  |  |  |  |
| 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>SCC, 3 Spans, Lengths(m): 12.6-12.6-12.6, 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>  | 0         | 0           | 0         | 0                        |  |
| <b>Now</b>   | 0.0       | 0.0         | 0.0       | 0.0                      |  |
| Wearing Surface  |           |             | 6         | 6                        | Isolated longitudinal & transverse cracks.                       |
| (Material Type : <b>CONCRETE</b> )   |           |             |           |                          |  |
| (Thickness(mm) : <b>50</b> )   |           |             |           |                          |  |
| Lateral Connection Problem (Y/N)   |           | No          |           |                          |  |
| Deck Top   |           |             | N         | N                        |  |
| Deck Rideability   |           |             | 8         | 7                        |  |
| Deck Joints  |           |             | X         | X                        |  |
| Bump (Y/N)   |           | No          |           |                          |  |
| Deck Drainage  |           |             | 7         | 7                        |  |
| Drains Clogged (Y/N)   |           | No          |           |                          |  |
| Curbs/Median   |           |             | 8         | 8                        | Coating peeling @ 5% of fascia.                                  |
| (Curb Type : <b>Standard</b> )   |           |             |           |                          |  |
| Scaling (Percent Area)   |           | 0           |           |                          |  |
| Bridge Rail  |           |             | 8         | 8                        | Isolated scrapes   |
| (Type : <b>STEEL BRIDGE TUBE; GALVANIZED STEEL BRIDGE TUBE</b> )                   |           |             |           |                          |  |
| Bridge Rail Posts  |           |             | 8         | 8                        |  |
| (Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )                      |           |             |           |                          |  |
| Bridge Rail/Posts Coating  |           |             | 6         | 6                        |  |
| (Type : <b>GALVANIZED</b> )  |           |             |           |                          |  |
| Sidewalk   |           |             | X         | X                        |  |
| Girder Detail Ratings  |           |             |           |                          |  |
|  | N (count) | 1 (count)   | 2 (count) | 3 (count)                |  |
| <b>Last</b>  | 0         | 0           | 0         | 0                        |  |
| <b>Now</b>   | 0         | 0           | 0         | 0                        |  |
| Girders  |           |             | 6         | 6                        | Longitudinal hairline cracks on exterior faces.<br><br>Composite |
| Last Complete Inspection Date  |           | 02-Jun-2012 |           |                          |  |
| Cracking (Y/N)   |           | Yes         |           |                          |  |
| Spalling (Percent Area)  |           | 0           |           |                          |  |
| Lift or Connector Pocket Grouted (Y/N)   |           | Yes         |           |                          |  |
| (Number Of Girders : <b>10</b> )   |           |             |           |                          |  |
| <b>Span Alignment Problems</b>   |           |             |           |                          |  |
| Vertical (Y/N)   |           | No          |           |                          |  |
| Horizontal (Y/N)   |           | No          |           |                          |  |
| <b>Superstructure General Rating</b>   |           |             | <b>6</b>  | <b>6</b>                 |  |

| Substructure                                  |           |           |           |   |   |  |
|---|-----------|-----------|-----------|---|---|--|
| Bridge Component                              |           | Last      | Now       | Explanation of Condition                            |   |  |
| <b>Abutments</b>                              |           |           |           |   |   |  |
| (Extended Backwall Piles (Y/N) : <b>N</b> )   |           |           |           |   |   |  |
| (Extended Backwall Piles Spacing(mm) : )      |           |           |           |   |   |  |
| (Total Number of Caps/Corbels : <b>1:1</b> )  |           |           |           |   |   |  |
| Bearing Seats/Caps/Corbels Detail Ratings     |           |           |           |   |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)   |   |  |
| <b>Last</b>                                   | 0         | 0         | 0         | 0   |   |  |
| <b>Now</b>                                    | 0         | 0         | 0         | 0   |   |  |
| Bearing Seats/Caps/Corbels                    |           |           |           | 7   | 7 |  |
| (Type : <b>CONCRETE</b> )                     |           |           |           |   |   |  |
| (Depth(mm) : <b>600</b> )                     |           |           |           |   |   |  |
| (Width(mm) : <b>750</b> )                     |           |           |           |   |   |  |
| Backwalls/Breastwalls                         |           |           | X         | X   |   |  |
| Greatest Height (m)                           |           | 1.10      |           |   |   |  |
| Wingwalls                                     |           |           | 7         | 7   |   |  |
| (Total Number of Bearing Piles : <b>0:0</b> ) |           |           |           |   |   |  |
| Piles Detail Ratings                          |           |           |           |   |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)   |   |  |
| <b>Last</b>                                   | 1         | 0         | 0         | 0   |   |  |
| <b>Now</b>                                    | 10        | 0         | 0         | 0   |   |  |
| Piles   |           |           |           | N   | N |  |
| Paint/Coating                                 |           |           |           | 6   | 6 |  |
| Abutment Stability                            |           |           |           | 8   | 8 |  |
| Scour/Erosion                                 |           |           |           | 8   | 8 |  |
| <b>Piers/Bents</b>                            |           |           |           |   |   |  |
| (Type : <b>PIER-SOLID</b> )                   |           |           |           |   |   |  |
| (Total Number of Caps/Corbels : <b>1:1</b> )  |           |           |           |   |   |  |
| Bearing Seats/Caps/Corbels Detail Ratings     |           |           |           |   |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)   |   |  |
| <b>Last</b>                                   | 0         | 0         | 0         | 0   |   |  |
| <b>Now</b>                                    | 0         | 0         | 0         | 0   |   |  |
| Bearing Seats/Caps/Corbels                    |           |           |           | 8   | 8 |  |
| (Type : <b>CONCRETE</b> )                     |           |           |           |   |   |  |
| (Depth(mm) : )                                |           |           |           |   |   |  |
| (Width(mm) : )                                |           |           |           |   |   |  |
| (Total Number of Bearing Piles : <b>0:0</b> ) |           |           |           | New widened cap on existing massive concrete piers. |   |  |
| Piles Detail Ratings                          |           |           |           |   |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)   |   |  |
| <b>Last</b>                                   | 0         | 0         | 0         | 0   |   |  |
| <b>Now</b>                                    | 0         | 0         | 0         | 0   |   |  |
| Pier Shaft/Piles                              |           |           |           | 7   | 7 |  |
| Greatest Height (m)                           |           | 3.50      |           |   |   |  |
| Bracing/Struts/Sheathing                      |           |           | X         | X   |   |  |
| Nose Plate                                    |           |           | 7         | 7   |   |  |
| Paint/Coating                                 |           |           |           | 4   | 4 |  |
| (Colour Description : )                       |           |           |           |   |   |  |
| (Colour Code : )                              |           |           |           |   |   |  |
|   |           |           |           | Moderate corrosion of nose plates.                  |   |  |

| Substructure                                 |    |          |          |                            |
|--|----|----------|----------|----------------------------|
| Bridge Component                             |    | Last     | Now      | Explanation of Condition   |
| Pier Stability                               |    | 8        | 8        |                            |
| Scour  |    | 7        | 7        |                            |
| Debris (Y/N)                                 | No |          |          |                            |
| <b>Substructure General Rating</b>           |    | <b>7</b> | <b>7</b> |                            |
| Structure Usage                              |    |          |          |                            |
|  |    | Last     | Now      | Explanation of Condition   |
| <b>Channel</b>                               |    |          |          |                            |
| (U/S Direction : <b>N</b> )                  |    |          |          |                            |
| (D/S Direction : <b>S</b> )                  |    |          |          |                            |
| Alignment                                    |    | 6        | 6        |                            |
| Bank Stability                               |    | 7        | 7        |                            |
| HWM (m below Top of Curb)                    |    |          |          | No visible HWM.            |
| Drift (Y/N)                                  | No |          |          |                            |
| Slope Protection                             |    | 7        | 7        | Sandbags<br>Scattered rock |
| (Type : <b>CONCRETE; CONCRETE</b> )          |    |          |          |                            |
| Guidebank/Spurs                              |    | X        | X        |                            |
| Adequacy of Opening                          |    | 7        | 7        |                            |
| (Fish Compensation Measure 1 : <b>NONE</b> ) |    |          |          |                            |
| (Fish Compensation Measure 2 : <b>NONE</b> ) |    |          |          |                            |
| <b>Channel General Rating</b>                |    | <b>6</b> | <b>6</b> |                            |

| Maintenance Recommendations                       |                  |  |                           |               |           |                   |     |
|---|------------------|--|---------------------------|---------------|-----------|-------------------|-----|
| Inspector Recommendations                         | Year             | Inspector Comments   | Department Comments       | Target Year   | Est. Cost | Cat #             |     |
| REPAIR/REPLACE BRIDGE RAIL                        |                  |  |                           |               |           |                   |     |
| SEAL CURBS  |                  |  |                           |               |           |                   |     |
| PATCH DECK  |                  |  |                           |               |           |                   |     |
| OVERLAY DECK                                      |                  |  |                           |               |           |                   |     |
| STRAIGHTEN/REPLACE MEMBERS                        |                  |  |                           |               |           |                   |     |
| WASHING   |                  |  |                           |               |           |                   |     |
| SHOTCRETE REPAIRS                                 |                  |  |                           |               |           |                   |     |
| CORE TIMBER CAPS/CORBELS                          |                  |  |                           |               |           |                   |     |
| REPAIR/REPLACE TIMBER CAPS                        |                  |  |                           |               |           |                   |     |
| REPAIR ABUTMENT SCOUR/EROSION                     |                  |  |                           |               |           |                   |     |
| PLACE ADDITIONAL RIP RAP                          |                  |  |                           |               |           |                   |     |
| REMOVE DRIFT ACCUMULATION                         |                  |  |                           |               |           |                   |     |
| INSTALL STRUTS                                    |                  |  |                           |               |           |                   |     |
| OTHER ACTION                                      | 2012             | Replace 4 posts @ NE and 1 @ SE guardrail and 3 splice bolts, 1 transition bolt, 1 timber post block and bolt. |                           |               |           |                   |     |
| OTHER ACTION                                      | 2012             | Patch east approach ACP- full width.   |                           |               |           |                   |     |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |     |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |     |
| <b>Structural Condition Rating (Last/Now) (%)</b> | <b>72.2/72.2</b> | <b>Sufficiency Rating (Last/Now) (%)</b>   | <b>64.7/65.6</b>          | Est. Repl. Yr | 2038      | Maint. Req. (Y/N) | Yes |
| 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                         | Garry Roberts    |  | Previous Assistant's Name |               |           |                   |     |
| Next Inspection Date                              | 02-Mar-2014      |  | Previous Inspection Date  | 04-Oct-2010   |           |                   |     |
| Inspection Cycle (Default) (months)               | 21               |  |                           |               |           |                   |     |
| Comment   |                  |  |                           |               |           |                   |     |