

| Bridge Inspection      |                                 |               |      |               |                     |                |   |  |  |
|------------------------|---------------------------------|---------------|------|---------------|---------------------|----------------|---|--|--|
| Bridge File Number     | 76084 -1 Bridge                 |               |      |               | Form Type           | PCS            |   |  |  |
| Year Built/Year Supstr | 1965/1965                       |               |      |               | Lot No.             | 4              |   |  |  |
| Bridge or Town Name    | DALROY                          |               |      |               | Inspector Name      | Garry Roberts  |   |  |  |
| Located Over           | WID - IRRIGATION C, WATERCRS-IC |               |      |               | Inspector Class     | BR CLS A       |   |  |  |
| Located On             |                                 |               |      |               | Assistant Name      |                |   |  |  |
| Water Body Cl./Year    |                                 |               |      |               | Assistant Class     |                |   |  |  |
| Navigabil. Cl./Year    |                                 |               |      |               | Inspection Date     | 17-Jul-2012    |   |  |  |
| Legal Land Location    | SE SEC 1 TWP 25 RGE 28 W4M      |               |      |               | Data Entry By       | Kelsey Roberts |   |  |  |
| Longitude, Latitude    | -113:46:22, 51:05:46            |               |      |               | Data Entry Date     | 23-Aug-2012    |   |  |  |
| Road Authority         | Alberta Transportation (AIT)    |               |      |               | Reviewer Name       | Ash Morjaria   |   |  |  |
| Contract Main. Area    | CMA30                           |               |      |               | Review Date         | 28-Jul-2012    |   |  |  |
| Clear Roadway/Skew     | 8.2 / 15 deg. (RHF)             |               |      |               | Dept. Reviewer Name | Tim Davies     |   |  |  |
| AADT/Year              | 240 / 2011 (E)                  |               |      |               | Dept. Review Date   | 24-Aug-2012    |   |  |  |
| Road Classification    | RLU-208G-60                     |               |      |               | Follow-Up By        |                |   |  |  |
| Detour Length (km)     | 6                               |               |      |               |                     |                |   |  |  |
| Allowable Load (t):    | Single                          | CS1 28 GIRDER | Semi | CS2 49 GIRDER | Train               | CS3 65 GIRDER  | ----> On Critical Spans<br>---->Critical Member |  |  |
| Design Loading:        | HS20                            |               |      |               |                     |                | ----> 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) | Yes          |    |                   |    |                  |    |                 |    |             |
| Remarks                       |              |    |                   |    |                  |    |                 |    |             |
| Other Sign Types              |              |    |                   |    |                  |    |                 |    |             |

| Utilities (Located at) |                         |  |  |  |               |    |  |  |  |
|------------------------|-------------------------|--|--|--|---------------|----|--|--|--|
| Utility Attachments    |                         |  |  |  |               |    |  |  |  |
| Telephone              | Attached to south curb. |  |  |  | Gas           |    |  |  |  |
| Power                  | North fenceline.        |  |  |  | Municipal     |    |  |  |  |
| Others                 |                         |  |  |  | Problem (Y/N) | No |  |  |  |
| Remarks                | AGT conduit separated   |  |  |  |               |    |  |  |  |

| Approach Road                       |                   |          |          |   |  |  |  |  |  |
|-------------------------------------|-------------------|----------|----------|---|--|--|--|--|--|
|                                     |                   | Last     | Now      | Explanation of Condition                |  |  |  |  |  |
| Horizontal Alignment                |                   | 7        | 7        | Int. 100m W.<br>Approaches on 3 corners |  |  |  |  |  |
| Vertical Alignment                  |                   | 8        | 7        |   |  |  |  |  |  |
| Roadway Width (m)                   | 8.000             |          |          |   |  |  |  |  |  |
| Approach Bump                       |                   | 6        | 7        | Not thriebeam                           |  |  |  |  |  |
| Guardrail (Y/N)                     | Yes               |          |          |   |  |  |  |  |  |
| Guardrail                           |                   | 7        | 7        |   |  |  |  |  |  |
| Length (m)                          | 8.900             |          |          |   |  |  |  |  |  |
| Current Standard (Y/N)              | No                |          |          |   |  |  |  |  |  |
| Termination Type                    | Type 4 - Terminal |          |          |   |  |  |  |  |  |
| 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>HC, 2 Spans, Lengths(m): 6.1-6.1, A-Ident Number: )</b> |           |             |           |                          |   |
| <b>Special Features</b>  |           |             |           |                          |   |
| Special Feature  |           |             | X         | File Tags @ NE & SW      |   |
| (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  |           |             | 7         | 7                        |   |
| (Material Type : <b>ACP</b> )  |           |             |           |                          |   |
| (Thickness(mm) : <b>70</b> )   |           |             |           |                          |   |
| Lateral Connection Problem (Y/N)   |           | No          |           |                          |   |
| Deck Top   |           |             | 7         | N                        | Paved over  |
| Deck Rideability   |           |             | 7         | 7                        |   |
| Deck Joints  |           |             | 5         | N                        | (Buffer Angles) Mar. 31, 2006   |
| Bump (Y/N)   |           | No          |           |                          |   |
| Deck Drainage  |           |             | 7         | 7                        |   |
| Drains Clogged (Y/N)   |           | No          |           |                          |   |
| Curbs/Median   |           |             | 5         | 5                        | Minor spalling at all 4 corners   |
| (Curb Type : <b>Standard</b> )   |           |             |           |                          |   |
| Scaling (Percent Area)   |           | 1           |           |                          |   |
| Bridge Rail  |           |             | 7         | 7                        |   |
| (Type : <b>GALVANIZED STEEL W-BEAM;W-BEAM</b> )                            |           |             |           |                          |   |
| Bridge Rail Posts  |           |             | 7         | 7                        |   |
| (Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )               |           |             |           |                          |   |
| Bridge Rail/Posts Coating  |           |             | 7         | 7                        |   |
| (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>   | 20        | 0           | 0         | 0                        |   |
| Girders  |           |             | 4         | 4                        | (Some spalling at dowels.)<br>(Chipped section of southwest curb exposing rebar.)<br>1 leg of u/s curb chipped exposing steel - no rusting. Chip approx. 200 mm long.<br>Water too deep to access under bridge- rating carried forward. |
| Last Complete Inspection Date  |           | 31-Mar-2006 |           |                          |   |
| Cracking (Y/N)   |           | Yes         |           |                          |   |
| Spalling (Percent Area)  |           | 1           |           |                          |   |
| Lift or Connector Pocket Grouted (Y/N)                                     |           | Yes         |           |                          |   |
| (Number Of Girders : <b>20</b> )   |           |             |           |                          |   |
| <b>Span Alignment Problems</b>   |           |             |           |                          |   |
| Vertical (Y/N)   |           | No          |           |                          |   |
| Horizontal (Y/N)   |           | No          |           |                          |   |
| <b>Superstructure General Rating</b>                                       |           |             | <b>4</b>  | <b>4</b>                 | Carried forward   |

| Substructure                                 |           |           |           |                           |  |           |
|--|-----------|-----------|-----------|---------------------------|--|-----------|
| Bridge Component                             |           | Last      | Now       | Explanation of Condition  |  |           |
| <b>Abutments</b>                             |           |           |           |                           |  |           |
| (Extended Backwall Piles (Y/N) : Y)          |           |           |           | Slight heave @ NW corner. |  |           |
| (Extended Backwall Piles Spacing(mm) : 1200) |           |           |           |                           |  |           |
| (Total Number of Caps/Corbels : 3:3)         |           |           |           | Water too deep to access  |  |           |
| Bearing Seats/Caps/Corbels Detail Ratings    |           |           |           |                           |  |           |
|  | N (count) | 1 (count) | 2 (count) |                           |  | 3 (count) |
| <b>Last</b>                                  | 0         | 0         | 0         |                           |  | 0         |
| <b>Now</b>                                   | 6         | 0         | 0         |                           |  | 0         |
| Bearing Seats/Caps/Corbels                   |           |           | 7         |                           |  | N         |
| (Type : TREATED TIMBER)                      |           |           |           |                           |  |           |
| (Depth(mm) : 305)                            |           |           |           |                           |  |           |
| (Width(mm) : 305)                            |           |           |           |                           |  |           |
| Backwalls/Breastwalls                        |           |           | 7         |                           |  | 6         |
| Greatest Height (m)                          |           | 2.60      |           |                           |  |           |
| Wingwalls                                    |           |           | 6         | 6                         |  |           |
| (Total Number of Bearing Piles : 6:6)        |           |           |           |                           |  |           |
| Piles Detail Ratings                         |           |           |           |                           |  |           |
|  | N (count) | 1 (count) | 2 (count) |                           |  | 3 (count) |
| <b>Last</b>                                  | 0         | 0         | 0         |                           |  | 0         |
| <b>Now</b>                                   | 12        | 0         | 0         |                           |  | 0         |
| Piles  |           |           | 7         |                           |  | N         |
| Paint/Coating                                |           |           | X         |                           |  | X         |
| Abutment Stability                           |           |           | 6         |                           |  | 6         |
| Scour/Erosion                                |           |           | 7         |                           |  | 7         |
| <b>Piers/Bents</b>                           |           |           |           |                           |  |           |
| (Type : PIER-COLUMN)                         |           |           |           |                           |  |           |
| (Total Number of Caps/Corbels : )            |           |           |           |                           |  |           |
| Bearing Seats/Caps/Corbels Detail Ratings    |           |           |           |                           |  |           |
|  | N (count) | 1 (count) | 2 (count) | 3 (count)                 |  |           |
| <b>Last</b>                                  | 0         | 0         | 0         | 0                         |  |           |
| <b>Now</b>                                   | 3         | 0         | 0         | 0                         |  |           |
| Bearing Seats/Caps/Corbels                   |           |           | 7         | N                         |  |           |
| (Type : TREATED TIMBER)                      |           |           |           |                           |  |           |
| (Depth(mm) : 305)                            |           |           |           |                           |  |           |
| (Width(mm) : 356)                            |           |           |           |                           |  |           |
| (Total Number of Bearing Piles : 7)          |           |           |           | 7 piles plus nose pile.   |  |           |
| Piles Detail Ratings                         |           |           |           |                           |  |           |
|  | N (count) | 1 (count) | 2 (count) |                           |  | 3 (count) |
| <b>Last</b>                                  | 0         | 0         | 0         |                           |  | 0         |
| <b>Now</b>                                   | 7         | 0         | 0         |                           |  | 0         |
| Pier Shaft/Piles                             |           |           | 6         |                           |  | N         |
| Greatest Height (m)                          |           | 2.60      |           |                           |  |           |
| Bracing/Struts/Sheathing                     |           |           | 7         |                           |  | N         |
| Nose Plate                                   |           |           | X         |                           |  | X         |
| Paint/Coating                                |           |           | X         |                           |  | X         |
| (Colour Description : )                      |           |           |           |                           |  |           |
| (Colour Code : )                             |           |           |           |                           |  |           |

| Substructure  |     |          |          |                                     |
|---|-----|----------|----------|-------------------------------------|
| Bridge Component                                      |     | Last     | Now      | Explanation of Condition            |
| Pier Stability  |     | 8        | 8        |                                     |
| Scour   |     | N        | 7        |                                     |
| Debris (Y/N)  | Yes |          |          | Old piles in channel.               |
| <b>Substructure General Rating</b>                    |     | <b>6</b> | <b>6</b> | GR carried forward                  |
| Structure Usage                                       |     |          |          |                                     |
|   |     | Last     | Now      | Explanation of Condition            |
| <b>Channel</b>  |     |          |          |                                     |
| (U/S Direction : <b>S</b> )                           |     |          |          | Channel bends 45 degrees at D/S     |
| (D/S Direction : <b>N</b> )                           |     |          |          |                                     |
| Alignment   |     | 7        | 6        |                                     |
| Bank Stability  |     | 6        | 6        |                                     |
| HWM (m below Top of Curb)                             |     |          |          | No hwm visible.<br>Depth guage @ SW |
| Drift (Y/N)   | No  |          |          |                                     |
| Slope Protection<br>(Type : <b>NATURAL; NATURAL</b> ) |     | 6        | 6        |                                     |
| Guidebank/Spurs                                       |     | X        | X        |                                     |
| Adequacy of Opening                                   |     | 8        | 8        |                                     |
| (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                                      |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| OTHER ACTION                                      |                  |  |                           |               |           |                   |    |
| <b>Structural Condition Rating (Last/Now) (%)</b> | <b>55.6/55.6</b> | <b>Sufficiency Rating (Last/Now) (%)</b> | <b>66.2/78.1</b>          | Est. Repl. Yr | 2021      | 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                         | Cameron Baron    |  | Previous Assistant's Name |               |           |                   |    |
| Next Inspection Date                              | 17-Apr-2017      |  | Previous Inspection Date  | 31-Mar-2006   |           |                   |    |
| Inspection Cycle (Default) (months)               | 57               |  |                           |               |           |                   |    |
| Comment   |                  |  |                           |               |           |                   |    |