

| Bridge Inspection      |                                       |  |      |  |                     |                     |   |  |  |  |
|------------------------|---------------------------------------|--|------|--|---------------------|---------------------|---|--|--|--|
| Bridge File Number     | 73440 -2 Bridge                       |  |      |  | Form Type           | PCS                 |   |  |  |  |
| Year Built/Year Supstr | 2005/2005                             |  |      |  | Lot No.             | 2                   |   |  |  |  |
| Bridge or Town Name    | HIGH LEVEL                            |  |      |  | Inspector Name      | Brian Pientsch      |   |  |  |  |
| Located Over           | PARMA CREEK, 8.10.23.7.2, WATERCRS-ST |  |      |  | Inspector Class     | BR CLS A            |   |  |  |  |
| Located On             | 35:14 C1 31.953                       |  |      |  | Assistant Name      | Russel Vanderschaaf |   |  |  |  |
| Water Body Cl./Year    |                                       |  |      |  | Assistant Class     | BR CLS B            |   |  |  |  |
| Navigabil. Cl./Year    |                                       |  |      |  | Inspection Date     | 08-Dec-2011         |   |  |  |  |
| Legal Land Location    | SW SEC 2 TWP 108 RGE 20 W5M           |  |      |  | Data Entry By       | Theresa Lacusta     |   |  |  |  |
| Longitude, Latitude    | -117:13:57, 58:20:42                  |  |      |  | Data Entry Date     | 03-Jan-2012         |   |  |  |  |
| Road Authority         | Alberta Transportation (AIT)          |  |      |  | Reviewer Name       | Eric Carcoux        |   |  |  |  |
| Contract Main. Area    | CMA01                                 |  |      |  | Review Date         | 20-Dec-2011         |   |  |  |  |
| Clear Roadway/Skew     | 11.2 / 0 deg.                         |  |      |  | Dept. Reviewer Name | David Morrison      |   |  |  |  |
| AADT/Year              | 1,370 / 2011 (A)                      |  |      |  | Dept. Review Date   | 05-Apr-2012         |   |  |  |  |
| Road Classification    | RAU-211.8-110                         |  |      |  | Follow-Up By        |                     |   |  |  |  |
| Detour Length (km)     | 200                                   |  |      |  |                     |                     |   |  |  |  |
| Allowable Load (t):    | Single                                |  | Semi |  | Train               |                     | ----> On Critical Spans<br>---->Critical Member |  |  |  |
| Design Loading:        | CS800                                 |  |      |  |                     |                     | ----> Primary Span                              |  |  |  |

| Posting Information       |           |    |                   |    |                  |    |                 |    |  |
|---------------------------|-----------|----|-------------------|----|------------------|----|-----------------|----|--|
| Required Load Posting (t) |           |    | Single            |    | Semi             |    | Truck Train     |    |  |
| Posted Loading (t)        |           |    | Single            |    | Semi             |    | Truck Train     |    |  |
| Posted:                   | Lane      | NB | At Junction (Y/N) | No | In Advance (Y/N) | No | At Bridge (Y/N) | No |  |
| Posted:                   | Lane      | SB | At Junction (Y/N) | No | In Advance (Y/N) | No | At Bridge (Y/N) | No |  |
| Remarks                   | Not req'd |    |                   |    |                  |    |                 |    |  |

|                               |     |  |  |  |  |  |  |  |  |
|-------------------------------|-----|--|--|--|--|--|--|--|--|
| Hazard Marker At Bridge (Y/N) | Yes |  |  |  |  |  |  |  |  |
| Remarks                       |     |  |  |  |  |  |  |  |  |
| Other Sign Types              |     |  |  |  |  |  |  |  |  |

| Utilities (Located at) |  |  |  |  |               |    |  |  |  |  |
|------------------------|--|--|--|--|---------------|----|--|--|--|--|
| Utility Attachments    |  |  |  |  |               |    |  |  |  |  |
| Telephone              |  |  |  |  | Gas           |    |  |  |  |  |
| Power                  |  |  |  |  | Municipal     |    |  |  |  |  |
| Others                 |  |  |  |  | Problem (Y/N) | No |  |  |  |  |
| Remarks                |  |  |  |  |               |    |  |  |  |  |

| Approach Road                       |        |  |             |            |   |  |  |  |  |
|-------------------------------------|--------|--|-------------|------------|---|--|--|--|--|
|                                     |        |  | <b>Last</b> | <b>Now</b> | <b>Explanation of Condition</b>                 |  |  |  |  |
| Horizontal Alignment                |        |  | 9           | 9          | Gradual vertical sag curve.                     |  |  |  |  |
| Vertical Alignment                  |        |  | 8           | 8          |   |  |  |  |  |
| Roadway Width (m)                   | 10.700 |  |             |            | SE corner transition has tears due to snowplow. |  |  |  |  |
| Approach Bump                       |        |  | 7           | 7          |   |  |  |  |  |
| Guardrail (Y/N)                     | Yes    |  |             |            |   |  |  |  |  |
| Guardrail                           |        |  | N           | 4          |   |  |  |  |  |
| Length (m)                          | 52.400 |  |             |            |   |  |  |  |  |
| Current Standard (Y/N)              | Yes    |  |             |            |   |  |  |  |  |
| Termination Type                    | TDE    |  |             |            |   |  |  |  |  |
| Drainage                            |        |  | 9           | 9          |   |  |  |  |  |
| <b>Approach Road General Rating</b> |        |  | <b>8</b>    | <b>8</b>   |   |  |  |  |  |

| Superstructure  |           |             |           |                          |   |
|---|-----------|-------------|-----------|--------------------------|---|
| Bridge Component  |           | Last        | Now       | Explanation of Condition |   |
| (Primary Span : <b>SCC, 2 Spans, Lengths(m): 10-10, 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 (%)                    | Partly snow covered.                                  |
| <b>Last</b>   |           |             |           |                          |   |
| <b>Now</b>  | 20.0      | 0.0         | 0.0       | 0.0                      |   |
| Wearing Surface   |           |             |           | 8                        | 8   |
| (Material Type : <b>CONCRETE</b> )  |           |             |           |                          |   |
| (Thickness(mm) : <b>150</b> )   |           |             |           |                          |   |
| Lateral Connection Problem (Y/N)  |           | No          |           |                          |   |
| Deck Top  |           |             |           | N                        | N   |
| Deck Rideability  |           |             |           | 8                        | 8   |
| Deck Joints   |           |             |           | 8                        | 8   |
| Bump (Y/N)  |           | No          |           |                          | Buffer angles.  |
| Deck Drainage   |           |             |           | 8                        | 3   |
| Drains Clogged (Y/N)  |           | No          |           |                          | Drains beginning to stain underside of girders.-photo |
| Curbs/Median  |           |             |           | N                        | N   |
| (Curb Type : <b>Standard</b> )  |           |             |           |                          |   |
| Scaling (Percent Area)  |           | 0           |           |                          | Snow covered.   |
| Bridge Rail   |           |             |           | 8                        | 8   |
| (Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )                             |           |             |           |                          |   |
| Bridge Rail Posts   |           |             |           | N                        | N   |
| (Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )              |           |             |           |                          |   |
| Bridge Rail/Posts Coating   |           |             |           | 8                        | 8   |
| (Type : <b>GALVANIZED</b> )   |           |             |           |                          |   |
| Sidewalk  |           |             |           | 8                        | X   |
| Girder Detail Ratings   |           |             |           |                          |   |
|   | N (count) | 1 (count)   | 2 (count) | 3 (count)                |   |
| <b>Last</b>   |           |             |           |                          |   |
| <b>Now</b>  |           |             |           |                          |   |
| Girders   |           |             |           | 8                        | 8   |
| Last Complete Inspection Date   |           | 08-Dec-2011 |           |                          |   |
| Cracking (Y/N)  |           | No          |           |                          |   |
| Spalling (Percent Area)   |           | 0           |           |                          |   |
| Lift or Connector Pocket Grouted (Y/N)                                    |           |             |           |                          |   |
| (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>8</b>                 | <b>8</b>  |

| Substructure   |           |           |           |                          |  |
|--|-----------|-----------|-----------|--------------------------|--|
| Bridge Component                                     |           | Last      | Now       | Explanation of Condition |  |
| <b>Abutments</b>                                     |           |           |           |                          |  |
| (Extended Backwall Piles (Y/N) : <b>Y</b> )          |           |           |           |                          |  |
| (Extended Backwall Piles Spacing(mm) : <b>1530</b> ) |           |           |           |                          |  |
| <br>   |           |           |           |                          |  |
| (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>  |           |           |           |                          |  |
| <b>Now</b>   |           |           |           |                          |  |
| Bearing Seats/Caps/Corbels                           |           |           | 8         | 8                        |  |
| (Type : <b>GALVANIZED STEEL</b> )                    |           |           |           |                          |  |
| (Depth(mm) : <b>300</b> )                            |           |           |           |                          |  |
| (Width(mm) : <b>300</b> )                            |           |           |           |                          |  |
| Backwalls/Breastwalls                                |           |           | 8         | 8                        |  |
| Greatest Height (m)                                  |           | 1.60      |           |                          |  |
| Wingwalls  |           |           | 8         | 8                        |  |
| (Total Number of Bearing Piles : <b>8:8</b> )        |           |           |           |                          |  |
| Piles Detail Ratings                                 |           |           |           |                          |  |
|  | N (count) | 1 (count) | 2 (count) | 3 (count)                |  |
| <b>Last</b>  |           |           |           |                          |  |
| <b>Now</b>   |           |           |           |                          |  |
| Piles  |           |           | 8         | 8                        |  |
| Paint/Coating  |           |           | 8         | 8                        |  |
| Abutment Stability                                   |           |           | 8         | 8                        |  |
| Scour/Erosion  |           |           | 8         | 8                        |  |
| <b>Piers/Bents</b>                                   |           |           |           |                          |  |
| (Type : <b>PIER-COLUMN</b> )                         |           |           |           |                          |  |
| (Total Number of Caps/Corbels : <b>1</b> )           |           |           |           |                          |  |
| Bearing Seats/Caps/Corbels Detail Ratings            |           |           |           |                          |  |
|  | N (count) | 1 (count) | 2 (count) | 3 (count)                |  |
| <b>Last</b>  |           |           |           |                          |  |
| <b>Now</b>   |           |           |           |                          |  |
| Bearing Seats/Caps/Corbels                           |           |           | 8         | 8                        |  |
| (Type : <b>GALVANIZED STEEL</b> )                    |           |           |           |                          |  |
| (Depth(mm) : <b>300</b> )                            |           |           |           |                          |  |
| (Width(mm) : <b>610</b> )                            |           |           |           |                          |  |

| Substructure                        |           |           |           |           |          |                          |
|-------------------------------------|-----------|-----------|-----------|-----------|----------|--------------------------|
| Bridge Component                    |           |           |           | Last      | Now      | Explanation of Condition |
| (Total Number of Bearing Piles : 8) |           |           |           |           |          |                          |
| Piles Detail Ratings                |           |           |           |           |          |                          |
|                                     | N (count) | 1 (count) | 2 (count) | 3 (count) |          |                          |
| <b>Last</b>                         |           |           |           |           |          |                          |
| <b>Now</b>                          |           |           |           |           |          |                          |
| Pier Shaft/Piles                    |           |           |           | 8         | 8        |                          |
| Greatest Height (m)                 |           | 8.00      |           |           |          |                          |
| Bracing/Struts/Sheathing            |           |           |           | 8         | 8        |                          |
| Nose Plate                          |           |           |           | 8         | 8        |                          |
| Paint/Coating                       |           |           |           | 8         | 8        |                          |
| (Colour Description : )             |           |           |           |           |          |                          |
| (Colour Code : )                    |           |           |           |           |          |                          |
| Pier Stability                      |           |           |           | 8         | 8        |                          |
| Scour                               |           |           |           | 8         | 8        |                          |
| Debris (Y/N)                        |           | No        |           |           |          |                          |
| <b>Substructure General Rating</b>  |           |           |           | <b>8</b>  | <b>8</b> |                          |

| Structure Usage                      |  |    |  |          |          |                          |
|--------------------------------------|--|----|--|----------|----------|--------------------------|
|                                      |  |    |  | Last     | Now      | Explanation of Condition |
| <b>Channel</b>                       |  |    |  |          |          |                          |
| (U/S Direction : W)                  |  |    |  |          |          |                          |
| (D/S Direction : E)                  |  |    |  |          |          |                          |
| Alignment                            |  |    |  | 8        | 8        |                          |
| Bank Stability                       |  |    |  | 8        | 8        |                          |
| HWM (m below Top of Curb)            |  |    |  |          |          | No HWM visible.          |
| Drift (Y/N)                          |  | No |  |          |          |                          |
| Slope Protection                     |  |    |  | 8        | 8        |                          |
| (Type : RIP RAP; RIP RAP)            |  |    |  |          |          |                          |
| Guidebank/Spurs                      |  |    |  | X        | X        |                          |
| Adequacy of Opening                  |  |    |  | 8        | 8        |                          |
| (Fish Compensation Measure 1 : NONE) |  |    |  |          |          |                          |
| (Fish Compensation Measure 2 : NONE) |  |    |  |          |          |                          |
| <b>Channel General Rating</b>        |  |    |  | <b>8</b> | <b>8</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             | Extend drains                            |                           |               |           |                   |     |
| 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>71.2/71.2</b>          | Est. Repl. Yr | 2070      | 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                         | Brian Pientsch   |  | Previous Assistant's Name |               |           |                   |     |
| Next Inspection Date                              | 08-Sep-2013      |  | Previous Inspection Date  | 17-Feb-2010   |           |                   |     |
| Inspection Cycle (Default) (months)               | 21               |  |                           |               |           |                   |     |
| Comment   |                  |  |                           |               |           |                   |     |