

| Bridge Inspection      |                              |        |  |      |                     |                     |       |        |  |   |
|------------------------|------------------------------|--------|--|------|---------------------|---------------------|-------|--------|--|---|
| Bridge File Number     | 82262 E-1 Bridge             |        |  |      | Form Type           | PCS                 |       |        |  |   |
| Year Built/Year Supstr | 2008/2008                    |        |  |      | Lot No.             | 2                   |       |        |  |   |
| Bridge or Town Name    |                              |        |  |      | Inspector Name      | Brian Pientsch      |       |        |  |   |
| Located Over           | CNR                          |        |  |      | Inspector Class     | BR CLS A            |       |        |  |   |
| Located On             | 43:04 R1 0.213               |        |  |      | Assistant Name      | Russel Vanderschaaf |       |        |  |   |
| Water Body Cl./Year    |                              |        |  |      | Assistant Class     | BR CLS B            |       |        |  |   |
| Navigabil. Cl./Year    |                              |        |  |      | Inspection Date     | 29-Nov-2012         |       |        |  |   |
| Legal Land Location    | SW SEC 13 TWP 72 RGE 6 W6M   |        |  |      | Data Entry By       | Theresa Lacusta     |       |        |  |   |
| Longitude, Latitude    | -118:47:31, 55:13:44         |        |  |      | Data Entry Date     | 17-Dec-2012         |       |        |  |   |
| Road Authority         | Alberta Transportation (AIT) |        |  |      | Reviewer Name       | Eric Carcoux        |       |        |  |   |
| Contract Main. Area    | CMA05                        |        |  |      | Review Date         | 17-Dec-2012         |       |        |  |   |
| Clear Roadway/Skew     | 12.4 /                       |        |  |      | Dept. Reviewer Name | Steve Pasquan       |       |        |  |   |
| AADT/Year              | 5,880 / 2011 (A)             |        |  |      | Dept. Review Date   | 03-Jan-2013         |       |        |  |   |
| Road Classification    | RAD-412.4-120                |        |  |      | Follow-Up By        |                     |       |        |  |   |
| Detour Length (km)     | 1                            |        |  |      |                     |                     |       |        |  |   |
| 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 Vert. Clearance Posting (m) |           |                           |                   |    |                  |    |                 |    |               |                  |
| Posted Vertical Clearance (Y/N)      |           |                           |                   |    | No               |    |                 |    |               |                  |
| Posted:                              | Lane      | NB                        | On Bridge (m)     |    | In Advance (Y/N) |    | Lane            | SB | On Bridge (m) | In Advance (Y/N) |
| Remarks                              | Not reqd. |                           |                   |    |                  |    |                 |    |               |                  |
| 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                              |           |                           |                   |    |                  |    |                 |    |               |                  |
| Hazard Marker At Bridge (Y/N)        |           | Yes                       |                   |    |                  |    |                 |    |               |                  |
| Remarks                              |           | too low - 0.4m from curb. |                   |    |                  |    |                 |    |               |                  |
| Other Sign Types                     |           |                           |                   |    |                  |    |                 |    |               |                  |

| Utilities (Located at) |                                     |  |  |  |               |    |  |  |  |
|------------------------|-------------------------------------|--|--|--|---------------|----|--|--|--|
| Utility Attachments    |                                     |  |  |  |               |    |  |  |  |
| Telephone              |                                     |  |  |  | Gas           |    |  |  |  |
| Power                  | Buried cable - O/H lights W. bound. |  |  |  | Municipal     |    |  |  |  |
| Others                 |                                     |  |  |  | Problem (Y/N) | No |  |  |  |
| Remarks                |                                     |  |  |  |               |    |  |  |  |

| Approach Road                       |  |           |          |          |  |  |  |  |  |
|-------------------------------------|--|-----------|----------|----------|--|--|--|--|--|
|                                     |  |           | Last     | Now      | Explanation of Condition                                 |  |  |  |  |
| Horizontal Alignment                |  |           | 8        | 8        | Insufficient length NE,SE, + SW corners.<br>Snow covered |  |  |  |  |
| Vertical Alignment                  |  |           | 8        | 8        |  |  |  |  |  |
| Roadway Width (m)                   |  | 12.400    |          |          |  |  |  |  |  |
| Approach Bump                       |  |           | 8        | 8        |  |  |  |  |  |
| Guardrail (Y/N)                     |  | No        |          |          |  |  |  |  |  |
| Guardrail                           |  |           | 9        | N        |  |  |  |  |  |
| Length (m)                          |  | 7.600     |          |          |  |  |  |  |  |
| Current Standard (Y/N)              |  | No        |          |          |  |  |  |  |  |
| Termination Type                    |  | Turn Down |          |          |  |  |  |  |  |
| Drainage                            |  |           | 8        | 8        |  |  |  |  |  |
| <b>Approach Road General Rating</b> |  |           | <b>8</b> | <b>8</b> |  |  |  |  |  |

| Superstructure   |           |             |           |                          |                      |
|--|-----------|-------------|-----------|--------------------------|----------------------|
| Bridge Component   |           | Last        | Now       | Explanation of Condition |                      |
| (Primary Span : <b>SCC, 1 Spans, Lengths(m): 11, 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 (%)                    | Mostly snow covered. |
| <b>Last</b>  | 80        | 0           | 0         | 0                        |                      |
| <b>Now</b>   | 60.0      |             |           |                          |                      |
| Wearing Surface  |           |             | 8         | 8                        |                      |
| (Material Type : <b>ACP</b> )  |           |             |           |                          |                      |
| (Thickness(mm) : <b>80</b> )   |           |             |           |                          |                      |
| Lateral Connection Problem (Y/N)                                       |           | No          |           |                          |                      |
| Deck Top   |           |             | N         | N                        |                      |
| Deck Rideability   |           |             | 9         | 9                        |                      |
| Deck Joints  |           |             | X         | X                        |                      |
| Bump (Y/N)   |           |             |           |                          |                      |
| Deck Drainage  |           |             | 9         | 9                        | No drains.           |
| Drains Clogged (Y/N)   |           |             |           |                          |                      |
| Curbs/Median   |           |             | N         | N                        | Snow covered.        |
| (Curb Type : <b>Standard</b> )   |           |             |           |                          |                      |
| Scaling (Percent Area)   |           |             |           |                          |                      |
| Bridge Rail  |           |             | 9         | 9                        | Double thrie beam    |
| (Type : <b>GALVANIZED STEEL THRIE BEAM</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                        |                      |
| Girder Detail Ratings  |           |             |           |                          |                      |
|  | N (count) | 1 (count)   | 2 (count) | 3 (count)                |                      |
| <b>Last</b>  |           |             |           |                          |                      |
| <b>Now</b>   |           |             |           |                          |                      |
| Girders  |           |             | 9         | 9                        |                      |
| Last Complete Inspection Date  |           | 29-Nov-2012 |           |                          |                      |
| Cracking (Y/N)   |           | No          |           |                          |                      |
| Spalling (Percent Area)  |           |             |           |                          |                      |
| Lift or Connector Pocket Grouted (Y/N)                                 |           |             |           |                          |                      |
| (Number Of Girders : <b>11</b> )                                       |           |             |           |                          |                      |
| <b>Span Alignment Problems</b>   |           |             |           |                          |                      |
| Vertical (Y/N)   |           | No          |           |                          |                      |
| Horizontal (Y/N)   |           | No          |           |                          |                      |
| <b>Superstructure General Rating</b>                                   |           |             | <b>9</b>  | <b>9</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>2:2</b> )  |           |           |           | total number of caps 1:1   |   |  |
| Bearing Seats/Caps/Corbels Detail Ratings     |           |           |           |  |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)  |   |  |
| <b>Last</b>                                   |           |           |           |  |   |  |
| <b>Now</b>                                    |           |           |           |  |   |  |
| Bearing Seats/Caps/Corbels                    |           |           |           | 9  | 9 |  |
| (Type : <b>CONCRETE</b> )                     |           |           |           |  |   |  |
| (Depth(mm) : <b>1126</b> )                    |           |           |           |  |   |  |
| (Width(mm) : <b>600</b> )                     |           |           |           |  |   |  |
| Backwalls/Breastwalls                         |           |           |           | 7  | 7 |  |
| Greatest Height (m)                           |           | 8.65      |           | MSE wall panels & CIP crash wall.<br>Vertical and diagonal cks in both crash walls.<br>2 wide cracks 5th section W side. |   |  |
| Wingwalls                                     |           |           |           | 9  | 9 |  |
| (Total Number of Bearing Piles : <b>0:0</b> ) |           |           |           |  |   |  |
| Piles Detail Ratings                          |           |           |           |  |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)  |   |  |
| <b>Last</b>                                   | 100       | 0         | 0         | 0  |   |  |
| <b>Now</b>                                    | 100       |           |           |  |   |  |
| Piles   |           |           |           | X  | X |  |
| Paint/Coating                                 |           |           |           | 9  | 9 |  |
| Abutment Stability                            |           |           |           | 9  | 9 |  |
| Scour/Erosion                                 |           |           |           | 9  | 9 |  |
| <b>Piers/Bents</b>                            |           |           |           |  |   |  |
| (Type : )                                     |           |           |           |  |   |  |
| (Total Number of Caps/Corbels : )             |           |           |           |  |   |  |
| Bearing Seats/Caps/Corbels Detail Ratings     |           |           |           |  |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)  |   |  |
| <b>Last</b>                                   |           |           |           |  |   |  |
| <b>Now</b>                                    |           |           |           |  |   |  |
| Bearing Seats/Caps/Corbels                    |           |           |           | X  | X |  |
| (Type : )                                     |           |           |           |  |   |  |
| (Depth(mm) : )                                |           |           |           |  |   |  |
| (Width(mm) : )                                |           |           |           |  |   |  |
| (Total Number of Bearing Piles : )            |           |           |           |  |   |  |
| Piles Detail Ratings                          |           |           |           |  |   |  |
|   | N (count) | 1 (count) | 2 (count) | 3 (count)  |   |  |
| <b>Last</b>                                   |           |           |           |  |   |  |
| <b>Now</b>                                    |           |           |           |  |   |  |
| Pier Shaft/Piles                              |           |           |           | X  | X |  |
| Greatest Height (m)                           |           |           |           |  |   |  |
| Bracing/Struts/Sheathing                      |           |           |           | X  | X |  |
| Nose Plate                                    |           |           |           | X  | X |  |
| Paint/Coating                                 |           |           |           | X  | X |  |
| (Colour Description : )                       |           |           |           |  |   |  |
| (Colour Code : )                              |           |           |           |  |   |  |

| Substructure                                 |          |          |          |   |
|--|----------|----------|----------|---|
| Bridge Component                             |          | Last     | Now      | Explanation of Condition                                    |
| 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                                    |
| Grade Separation                             |          |          |          |   |
| Road Alignment                               |          | 9        | 9        |   |
| Traffic Safety Features                      |          | 7        | 7        | Handrail near road beginning to rust at welded connections. |
| Type   | HANDRAIL |          |          |   |
| Slope Protection<br>(Type : <b>NATURAL</b> ) |          | 9        | 9        |   |
| Bank Stability                               |          | 9        | 9        |   |
| Drainage                                     |          | 9        | 9        |   |
| <b>Grade Separation General Rating</b>       |          | <b>9</b> | <b>7</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                                      | 2013               | Raise hazard markers.                    |                           |                     |           |                   |     |
| OTHER ACTION                                      |                    |  |                           |                     |           |                   |     |
| OTHER ACTION                                      |                    |  |                           |                     |           |                   |     |
| OTHER ACTION                                      |                    |  |                           |                     |           |                   |     |
| OTHER ACTION                                      |                    |  |                           |                     |           |                   |     |
| <b>Structural Condition Rating (Last/Now) (%)</b> | <b>100.0/100.0</b> | <b>Sufficiency Rating (Last/Now) (%)</b> | <b>82.4/79.3</b>          | Est. Repl. Yr       | 2084      | 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 | Russel Vanderschaaf |           |                   |     |
| Next Inspection Date                              | 29-Aug-2014        |  | Previous Inspection Date  | 04-Jan-2011         |           |                   |     |
| Inspection Cycle (Default) (months)               | 21                 |  |                           |                     |           |                   |     |
| Comment   |                    |  |                           |                     |           |                   |     |