

| Bridge Inspection                    |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
|--------------------------------------|--|---------------|-------------------|----------|------------------|--|-----------------|-------------|-----------------|--------|--------------------|-----|---|
| Bridge File Number                   | 85067 -1 Bridge  |               |                   |          |                  | Form Type  | PSR             |             |                 |        |                    |     |   |
| Year Built/Year Supstr               | 2007/2007  |               |                   |          |                  | Lot No.  | 3               |             |                 |        |                    |     |   |
| Bridge or Town Name                  | 66 STREET OVER ANTHONY HENDAY DRIVE (HIGHWAY 216) AT EDMONTO |               |                   |          |                  | Inspector Name   | Shane Hall      |             |                 |        |                    |     |   |
|                                      |  |               |                   |          |                  | Inspector Class  | BR CLS A        |             |                 |        |                    |     |   |
| Located Over                         | 216:04 R1 20.436;216:04 L1 20.478                            |               |                   |          |                  | Assistant Name   |                 |             |                 |        |                    |     |   |
| Located On                           | LOCAL ROAD   |               |                   |          |                  | Assistant Class  |                 |             |                 |        |                    |     |   |
| Water Body Cl./Year                  |  |               |                   |          |                  | Inspection Date  | 15-Feb-2013     |             |                 |        |                    |     |   |
| Navigabil. Cl./Year                  |  |               |                   |          |                  | Data Entry By  | Theresa Lacusta |             |                 |        |                    |     |   |
| Legal Land Location                  | NW SEC 26 TWP 51 RGE 24 W4M                                  |               |                   |          |                  | Data Entry Date  | 13-Mar-2013     |             |                 |        |                    |     |   |
| Longitude, Latitude                  | -113:26:29, 53:26:08   |               |                   |          |                  | Reviewer Name  | Eric Carcoux    |             |                 |        |                    |     |   |
| Road Authority                       | AREL   |               |                   |          |                  | Review Date  | 10-Mar-2013     |             |                 |        |                    |     |   |
| Contract Main. Area                  | ANTHONY HENDAY DRIVE   |               |                   |          |                  | Dept. Reviewer Name  | Eric Carcoux    |             |                 |        |                    |     |   |
| Clear Roadway/Skew                   | 10.4 /   |               |                   |          |                  | Dept. Review Date  | 22-Mar-2013     |             |                 |        |                    |     |   |
| AADT/Year                            |  |               |                   |          |                  | Follow-Up By   |                 |             |                 |        |                    |     |   |
| Road Classification                  | UAU-209.0-070  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Detour Length (km)                   | 3  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| 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)      |  | Yes           |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Posted:                              | Lane   | EB            | On Bridge (m)     | 5.9      | In Advance (Y/N) | Yes  | Lane            | WB          | On Bridge (m)   | 5.9    | In Advance (Y/N)   | Yes |   |
| Remarks                              |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| 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          | At Bridge (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          | At Bridge (Y/N) | No     | At Bridge (Y/N)    | No  |   |
| Remarks                              |  | Not required. |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Hazard Marker At Bridge (Y/N)        |  | No            |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Remarks                              |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Other Sign Types                     |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Utilities (Located at)               |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Utility Attachments                  |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Telephone                            |  |               |                   |          |                  | Gas  |                 |             |                 |        |                    |     |   |
| Power                                | Street lighting.   |               |                   |          |                  | Municipal  |                 |             |                 |        |                    |     |   |
| Others                               |  |               |                   |          |                  | Problem (Y/N)  | No              |             |                 |        |                    |     |   |
| Remarks                              |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Approach Road                        |  |               |                   |          |                  |  |                 |             |                 |        |                    |     |   |
|                                      |  |               |                   | Last     | Now              | Explanation of Condition                                     |                 |             |                 |        |                    |     |   |
| Horizontal Alignment                 |  |               |                   | 8        | 8                | NW corner approach slab settled ~ 30mm, water ponding.-photo |                 |             |                 |        |                    |     |   |
| Vertical Alignment                   |  |               |                   | 7        | 7                |  |                 |             |                 |        |                    |     |   |
| Roadway Width (m)                    |  | 10.000        |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Approach Bump                        |  |               |                   | 7        | 4                |  |                 |             |                 |        |                    |     |   |
| Guardrail (Y/N)                      |  | Yes           |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Guardrail                            |  |               |                   | 8        | 8                |  |                 |             |                 |        |                    |     |   |
| Length (m)                           |  | 36.000        |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Current Standard (Y/N)               |  | Yes           |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Termination Type                     |  | Terminal      |                   |          |                  |  |                 |             |                 |        |                    |     |   |
| Drainage                             |  |               |                   | 8        | 4                | Water ponding @ NW approach slab.-photo                      |                 |             |                 |        |                    |     |   |
| <b>Approach Road General Rating</b>  |  |               |                   | <b>7</b> | <b>7</b>         |  |                 |             |                 |        |                    |     |   |

| Superstructure   |           |              |           |   |   |  |
|--|-----------|--------------|-----------|---|---|--|
| Bridge Component   |           | Last         | Now       | Explanation of Condition  |   |  |
| (Primary Span : <b>NU, 2 Spans, Lengths(m): 41.008-41.008, A-Ident Number: )</b> |           |              |           |   |   |  |
| <b>Special Features</b>  |           |              |           |   |   |  |
| Special Feature  |           |              | 3         | Chain Link Fence  |   |  |
| (Type : )  |           |              |           | 4 sections of fence damaged due to failure of 2 tilt up panels @ NE corner.-photo |   |  |
| Special Feature  |           |              | X         |   |   |  |
| (Type : )  |           |              |           |   |   |  |
| Wearing Surface/Deck Top Detail Ratings  |           |              |           |   |   |  |
|  | N (%)     | 1 (%)        | 2 (%)     | 3 (%)   |   |  |
| <b>Last</b>  |           |              |           |   |   |  |
| <b>Now</b>   |           |              |           |   |   |  |
| Wearing Surface  |           |              | 8         | 7   |   |  |
| (Material Type : <b>ACP</b> )  |           |              |           |   |   |  |
| (Thickness(mm) : <b>80</b> )   |           |              |           |   |   |  |
| Lateral Connection Problem (Y/N)   |           | No           |           |   |   |  |
| Deck Top   |           |              | N         | N   |   |  |
| Deck Rideability   |           |              | 8         | 8   |   |  |
| Deck Joints  |           |              | X         | X   | Integral abutments.                           |  |
| Temperature (deg. C)   |           | 2            |           |   |   |  |
| (Expansion Type : )  |           |              |           |   |   |  |
| (Fixed Type : )  |           |              |           |   |   |  |
| Gap Size (mm)  |           | Gap Location |           |   |   |  |
|  |           |              |           |   |   |  |
|  |           |              |           |   |   |  |
| Deck Drainage  |           |              | 8         | 8   | No drains.                                    |  |
| Drains Clogged (Y/N)   |           | No           |           |   |   |  |
| Curbs/Median   |           |              | 8         | 8   | Single slope barrier.                         |  |
| (Curb Type : <b>Standard</b> )   |           |              |           |   |   |  |
| Scaling (Percent Area)   |           | 1            |           |   |   |  |
| Bridge Rail  |           |              | 8         | 8   | Sidewalk railing.<br>2% insufficient threads. |  |
| (Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )                                   |           |              |           |   |   |  |
| Bridge Rail Posts  |           |              | 4         | 4   |   |  |
| (Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )                     |           |              |           |   |   |  |
| Bridge Rail/Posts Coating  |           |              | 8         | 8   |   |  |
| (Type : <b>GALVANIZED</b> )  |           |              |           |   |   |  |
| Sidewalk   |           |              | 8         | 8   |   |  |
| Girder Detail Ratings  |           |              |           |   |   |  |
|  | N (count) | 1 (count)    | 2 (count) | 3 (count)   |   |  |
| <b>Last</b>  |           |              |           |   |   |  |
| <b>Now</b>   |           |              |           |   |   |  |
| Girders  |           |              | 8         | 8   |   |  |
| Cracking (Y/N)   |           | No           |           |   |   |  |
| Spalling (Percent Area)  |           | 0            |           |   |   |  |
| (Number Of Girders : <b>10</b> )   |           |              |           |   |   |  |

| Superstructure   |     |          |          |  |
|--|-----|----------|----------|--|
| Bridge Component   |     | Last     | Now      | Explanation of Condition   |
| (Primary Span : <b>NU, 2 Spans, Lengths(m): 41.008-41.008, A-Ident Number: )</b>       |     |          |          |  |
| Diaphragms/Cross Frame   |     | 8        | 8        |  |
| Bearings   |     | 8        | 8        | Viewed from ground with binoculars.  |
| Temperature (deg. C)   | 2   |          |          |  |
| (Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> ) |     |          |          |  |
| (Fixed Type : <b>NEOPRENE STRIP BEARING</b> )  |     |          |          |  |
| Coating Adequate (Y/N)   | Yes |          |          |  |
| Functioning (Y/N)  | Yes |          |          |  |
| Deck Underside   |     | 8        | 8        |  |
| Stains (Percent Area)  | 0   |          |          |  |
| <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>   |     |          |          |  |
| Bearing Seats/Caps   |     | 8        | 8        | Viewed from median-No issues apparent.                                     |
| (Type : <b>CONCRETE</b> )  |     |          |          |  |
| Backwalls/Breastwalls  |     | 8        | 3        | 2 failed tiptop panels at NE corner.-photo                                 |
| Wingwalls  |     | 8        | 7        | Narrow map cracking @ SW.  |
| Piles  |     | N        | N        |  |
| Paint/Coating  |     | 5        | 5        | 50 x 50mm sections of paint are beginning to flake off on NE & SW corners. |
| Abutment Stability   |     | 8        | 3        | Down rated due to failure @ NE corner.                                     |
| Scour/Erosion  |     | 8        | 8        |  |
| <b>Piers/Bents</b>   |     |          |          |  |
| (Type : <b>PIER-COLUMN</b> )   |     |          |          |  |
| Bearing Seats/Caps   |     | 8        | 8        |  |
| (Type : <b>CONCRETE</b> )  |     |          |          |  |
| (Total Number of Bearing Piles : <b>3</b> )  |     |          |          |  |
| Pier Shaft/Piles   |     | 8        | 8        |  |
| Bracing/Struts/Sheathing   |     | X        | X        |  |
| Nose Plate   |     | X        | X        |  |
| Paint/Coating  |     | 8        | 8        | Cream.   |
| (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>Grade Separation</b>                |        |          |          |  |
| Road Alignment                         |        | 8        | 8        |  |
| Traffic Safety Features                |        | 8        | 8        |  |
| Type                                   | Lights |          |          |  |
| Slope Protection                       |        | 8        | 8        |  |
| (Type : RIP RAP; RIP RAP)              |        |          |          |  |
| Bank Stability                         |        | 8        | 8        |  |
| Drainage                               |        | 8        | 4        | Water ponding at bottom of N headslope - possibly due to snow/ice. |
| <b>Grade Separation General Rating</b> |        | <b>8</b> | <b>4</b> |  |

| Maintenance Recommendations                       |   |  |                           |               |           |                   |     |
|---|---|--|---------------------------|---------------|-----------|-------------------|-----|
| Inspector Recommendations                         | Year  | Inspector Comments                         | Department Comments       | Target Year   | Est. Cost | Cat #             |     |
| REPAIR/REPLACE BRIDGE RAIL                        |   |  |                           |               |           |                   |     |
| GALVANIZE/PAINT BRIDGE RAIL                       |   |  |                           |               |           |                   |     |
| SEAL CURBS  |   |  |                           |               |           |                   |     |
| PATCH DECK  |   |  |                           |               |           |                   |     |
| SEAL DECK   |   |  |                           |               |           |                   |     |
| OVERLAY DECK                                      |   |  |                           |               |           |                   |     |
| REPAIR/REPLACE DECK JOINTS                        |   |  |                           |               |           |                   |     |
| RESET/ PAINT BEARINGS                             |   |  |                           |               |           |                   |     |
| WASHING   |   |  |                           |               |           |                   |     |
| SHOTCRETE REPAIRS                                 |   |  |                           |               |           |                   |     |
| REPAIR ABUTMENT SCOUR/EROSION                     |   |  |                           |               |           |                   |     |
| PLACE ADDITIONAL RIP RAP                          |   |  |                           |               |           |                   |     |
| REMOVE DRIFT ACCUMULATION                         |   |  |                           |               |           |                   |     |
| OTHER ACTION                                      | 2013  | Repair 2 failed tiltup panels @ NE corner. |                           |               |           |                   |     |
| OTHER ACTION                                      | 2013  | Repair chain link fence.                   |                           |               |           |                   |     |
| 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>78.2/73.2</b>          | Est. Repl. Yr | 2080      | Maint. Req. (Y/N) | Yes |
| Special Comments for Next Inspection              | Monitor ponding at N headslope and settlement at WW corner approach slab. |  | 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                         | Eric Carcoux  |  | Previous Assistant's Name |               |           |                   |     |
| Next Inspection Date                              | 15-Nov-2014   |  | Previous Inspection Date  | 25-Apr-2011   |           |                   |     |
| Inspection Cycle (Default) (months)               | 21  |  |                           |               |           |                   |     |
| Comment   |   |  |                           |               |           |                   |     |