

| Bridge Inspection | | | | | | | | | |
|-------------------------------------|--|----|-------------------|----------|--|--------------------|---|----|--|
| Bridge File Number | 86152 -1 Bridge | | | | Form Type | SG | | | |
| Year Built/Year Supstr | 1985/1985 | | | | Lot No. | 3 | | | |
| Bridge or Town Name | HIGH PRAIRIE | | | | Inspector Name | Brian Pientsch | | | |
| Located Over | SOUTH HEART RIVER, 8.11.80.54, WATERCRS-ST | | | | Inspector Class | BR CLS A | | | |
| Located On | LOCAL ROAD | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 30-Mar-2010 | | | |
| Legal Land Location | SW SEC 28 TWP 78 RGE 16 W5M | | | | Data Entry By | Theresa Lacusta | | | |
| Longitude, Latitude | -116:25:41, 55:47:10 | | | | Data Entry Date | 19-May-2010 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Arnold Assenheimer | | | |
| Contract Main. Area | UNDEFINED CMA | | | | Review Date | 11-May-2010 | | | |
| Clear Roadway/Skew | 4.1 / 0 deg. | | | | Dept. Reviewer Name | Steve Pasquan | | | |
| AADT/Year | 50 / 2010 (E) | | | | Dept. Review Date | 16-Jul-2010 | | | |
| Road Classification | RLU-209G-90 | | | | Follow-Up By | | | | |
| Detour Length (km) | 25 | | | | | | | | |
| Allowable Load (t): | Single | | Semi | | Train | | ----> On Critical Spans ---->Critical Member | | |
| Design Loading: | | | | | | | ----> 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 | | | | | | | | | |
| Hazard Marker At Bridge (Y/N) | Yes | | | | | | | | |
| Remarks | NE HM missing, SE knocked over. | | | | | | | | |
| Other Sign Types | Narrow bridge, One Lane Bridge | | | | | | | | |
| Utilities (Located at) | | | | | | | | | |
| Utility Attachments | | | | | | | | | |
| Telephone | | | | | Gas | | | | |
| Power | | | | | Municipal | | | | |
| Others | | | | | Problem (Y/N) | | | | |
| Remarks | | | | | | | | | |
| Approach Road | | | | | | | | | |
| | | | Last | Now | Explanation of Condition | | | | |
| Horizontal Alignment | | | | 6 | Bridge 1.5m higher than road grade. | | | | |
| Vertical Alignment | | | | 5 | | | | | |
| Roadway Width (m) | 9.000 | | | | | | | | |
| Approach Bump | | | | 5 | | | | | |
| Guardrail (Y/N) | No | | | | Should consider installing approach guardrail. | | | | |
| Guardrail | | | | X | | | | | |
| Length (m) | | | | | | | | | |
| Current Standard (Y/N) | | | | | | | | | |
| Termination Type | | | | | | | | | |
| Drainage | | | | 7 | | | | | |
| Approach Road General Rating | | | | 5 | | | | | |

| Superstructure | | | | | | | |
|---|-------|--------------|-------|-------|-----|--------------------------|--|
| Bridge Component | | | | Last | Now | Explanation of Condition | |
| (Primary Span : WG, 1 Spans, Lengths(m): 24.4, A-Ident Number:) | | | | | | | |
| Special Features | | | | | | | |
| Special Feature | | | | | X | | |
| (Type :) | | | | | | | |
| Special Feature | | | | | X | | |
| (Type :) | | | | | | | |
| Wearing Surface/Deck Top Detail Ratings | | | | | | | |
| | N (%) | 1 (%) | 2 (%) | 3 (%) | | | |
| Last | | | | | | | |
| Now | | | | | | | |
| Wearing Surface | | | | | 5 | In wheel paths only. | |
| (Material Type : TREATED TIMBER) | | | | | | | |
| (Thickness(mm) : 75) | | | | | | | |
| Deck Top | | | | | N | | |
| Deck Rideability | | | | | 5 | | |
| Deck Joints | | | | | X | | |
| Temperature (deg. C) | 4 | | | | | | |
| (Expansion Type :) | | | | | | | |
| (Fixed Type :) | | | | | | | |
| Gap Size (mm) | | Gap Location | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Deck Drainage | | | | | X | | |
| Drains Clogged (Y/N) | | | | | | | |
| Curbs/Median | | | | | X | | |
| (Curb Type : Standard;None) | | | | | | | |
| Scaling (Percent Area) | | | | | | | |
| Bridge Rail | | | | | 7 | | |
| (Type : STEEL BRIDGE TUBE) | | | | | | | |
| Bridge Rail Posts | | | | | 7 | | |
| (Type : POST STEEL;POST STEEL) | | | | | | | |
| Bridge Rail/Posts Coating | | | | | 7 | | |
| (Type : PAINT) | | | | | | | |
| Sidewalk | | | | | X | | |
| Girder/Beam | | | | | | | |
| Cover Plate | | | | | 7 | 420 x 910 girders. | |
| Flange | | | | | 7 | | |
| Web | | | | | 7 | | |
| Stiffeners | | | | | 7 | | |
| Splice | | | | | X | | |
| Weld | | | | | 7 | | |
| Diaphragms/Cross Frame | | | | | 7 | | |

| Superstructure | | | | |
|---|----|------|----------|---|
| Bridge Component | | Last | Now | Explanation of Condition |
| (Primary Span : WG, 1 Spans, Lengths(m): 24.4, A-Ident Number:) | | | | |
| Paint Condition | | | 7 | |
| (Colour Description : RED) | | | | |
| (Colour Code : 509-102) | | | | |
| Touchup Required (Y/N) | No | | | |
| Bearings | | | X | |
| Temperature (deg. C) | | | | |
| (Expansion Type :) | | | | |
| (Fixed Type :) | | | | |
| Coating Adequate (Y/N) | | | | |
| Functioning (Y/N) | | | | |
| Deck Underside | | | 5 | 20x150 UT subdeck. |
| Stains (Percent Area) | 20 | | | |
| Span Alignment Problems | | | | |
| Vertical (Y/N) | No | | | |
| Horizontal (Y/N) | No | | | |
| Superstructure General Rating | | | 5 | |
| Substructure | | | | |
| Bridge Component | | Last | Now | Explanation of Condition |
| Abutments | | | | |
| Bearing Seats/Caps | | | 7 | 300x250 I beam |
| (Type : STEEL) | | | | |
| Backwalls/Breastwalls | | | 4 | Loss of approach fill where NW corner of backwall sheeting meets wing sheeting. |
| Wingwalls | | | 4 | |
| Piles | | | 7 | 6 brge piles each abut. steel pipe. |
| Paint/Coating | | | X | |
| Abutment Stability | | | 5 | |
| Scour/Erosion | | | 5 | |
| Piers/Bents | | | | |
| (Type :) | | | | |
| Bearing Seats/Caps | | | X | |
| (Type :) | | | | |
| (Total Number of Bearing Piles :) | | | | |
| Pier Shaft/Piles | | | X | |
| Bracing/Struts/Sheathing | | | X | |
| Nose Plate | | | X | |
| Paint/Coating | | | X | |
| (Colour Description :) | | | | |
| (Colour Code :) | | | | |
| Pier Stability | | | X | |
| Scour | | | X | |
| Debris (Y/N) | No | | | |

| Substructure | | | | |
|--|----|------|----------|--------------------------|
| Bridge Component | | Last | Now | Explanation of Condition |
| Substructure General Rating | | | 5 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction : N) | | | | |
| (D/S Direction : S) | | | | |
| Alignment | | | 7 | |
| Bank Stability | | | 7 | |
| HWM (m below Top of Curb) | | | | No HWM visible. |
| Drift (Y/N) | No | | | |
| Slope Protection | | | 7 | |
| (Type : NATURAL; NATURAL) | | | | |
| Guidebank/Spurs | | | X | |
| Adequacy of Opening | | | 7 | |
| (Fish Compensation Measure 1 : NONE) | | | | |
| (Fish Compensation Measure 2 : NONE) | | | | |
| Channel General Rating | | | 7 | |

| Maintenance Recommendations | | | | | | | |
|---|---|--|---------------------------|---------------|-----------|-------------------|-----|
| Inspector Recommendations | Year | Inspector Comments | Department Comments | Target Year | Est. Cost | Cat # | |
| REPAIR/REPLACE BRIDGE RAIL | 2010 | Install approach guardrail. | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | |
| RETROFIT BRIDGE RAIL | | | | | | | |
| SEAL CURBS | | | | | | | |
| PATCH DECK | | | | | | | |
| SEAL DECK | | | | | | | |
| OVERLAY DECK | | | | | | | |
| REPAIR/REPLACE DECK JOINTS | | | | | | | |
| RESET/ PAINT BEARINGS | | | | | | | |
| REPAINT SUPERSTRUCTURE | | | | | | | |
| STRAIGHTEN/REPLACE MEMBERS | | | | | | | |
| WASHING | | | | | | | |
| SHOTCRETE REPAIRS | | | | | | | |
| REPAIR ABUTMENT SCOUR/EROSION | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | |
| OTHER ACTION | 2010 | Replace and repair hazard markers. | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | /55.6 | Sufficiency Rating (Last/Now) (%) | /54.2 | Est. Repl. Yr | 2035 | Maint. Req. (Y/N) | Yes |
| Special Comments for Next Inspection | Monitor backwall/wing sheeting NW corner. | | 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 | | | Previous Assistant's Name | | | | |
| Next Inspection Date | 30-Jun-2013 | | Previous Inspection Date | | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |