

| Bridge Inspection | | | | | | | | | |
|-------------------------------------|--|---------------|-------------------|----------|----------------------------------|----------------|-----------------|---|--|
| Bridge File Number | 09344 -1 Bridge | | | | Form Type | PCS | | | |
| Year Built/Year Supstr | 1969/1969 | | | | Lot No. | 4 | | | |
| Bridge or Town Name | HUSSAR | | | | Inspector Name | Jon Davies | | | |
| Located Over | PARFLESH CREEK, 2.13.14.4, WATERCRS-ST | | | | Inspector Class | BR CLS B | | | |
| Located On | 561:02 C1 15.902 | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 23-Jan-2012 | | | |
| Legal Land Location | SW SEC 15 TWP 24 RGE 21 W4M | | | | Data Entry By | Kelsey Roberts | | | |
| Longitude, Latitude | -112:51:30, 51:02:16 | | | | Data Entry Date | 08-Mar-2012 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Garry Roberts | | | |
| Contract Main. Area | CMA30 | | | | Review Date | 03-Feb-2012 | | | |
| Clear Roadway/Skew | 10.1 / | | | | Dept. Reviewer Name | Tim Davies | | | |
| AADT/Year | 770 / 2010 (A) | | | | Dept. Review Date | 11-Mar-2012 | | | |
| Road Classification | RCU-208-110 | | | | Follow-Up By | | | | |
| Detour Length (km) | 5 | | | | | | | | |
| Allowable Load (t): | Single | CS1 28 GIRDER | | Semi | CS2 49 GIRDER | | Train | CS3 65 GIRDER | |
| Design Loading: | HS20 | | | | | | | ----> On Critical Spans ---->Critical Member | |
| | | | | | | | | ----> 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 | SOUTH DITCH | | | | Gas | X-ing 100m E | | | |
| Power | NORTH FENCELINE - 3-wire | | | | Municipal | | | | |
| Others | Fibre Optics N. Ditch | | | | Problem (Y/N) | No | | | |
| Remarks | | | | | | | | | |
| Approach Road | | | | | | | | | |
| | | | Last | Now | Explanation of Condition | | | | |
| Horizontal Alignment | | | 8 | 7 | Hill to E & W, intersection West | | | | |
| Vertical Alignment | | | 5 | 5 | | | | | |
| Roadway Width (m) | 8.000 | | | | | | | | |
| Approach Bump | | | 7 | 6 | | | | | |
| Guardrail (Y/N) | Yes | | | | Not thriebeam | | | | |
| Guardrail | | | 5 | 5 | | | | | |
| Length (m) | 7.600 | | | | | | | | |
| Current Standard (Y/N) | No | | | | | | | | |
| Termination Type | TURNDOWN | | | | | | | | |
| Drainage | | | 7 | 7 | | | | | |
| Approach Road General Rating | | | 5 | 5 | | | | | |

| Superstructure | | | | | |
|--|-----------|-------------|-----------|--------------------------|---|
| Bridge Component | | Last | Now | Explanation of Condition | |
| (Primary Span : HC, 2 Spans, Lengths(m): 6.1-6.1, A-Ident Number:) | | | | | |
| Special Features | | | | | |
| Special Feature | | | X | | |
| (Type :) | | | | | |
| Special Feature | | | X | | |
| (Type :) | | | | | |
| Wearing Surface/Deck Top Detail Ratings | | | | | |
| | N (%) | 1 (%) | 2 (%) | 3 (%) | Partially snow covered |
| Last | 0 | 0 | 0 | 0 | |
| Now | 30.0 | 0.0 | 0.0 | 0.0 | |
| Wearing Surface | | | 5 | 5 | ACP cracks at girder outlines mostly sealed. Minor cracks present. |
| (Material Type : ACP) | | | | | |
| (Thickness(mm) : 40) | | | | | |
| Lateral Connection Problem (Y/N) | | No | | | |
| Deck Top | | | N | N | |
| Deck Rideability | | | 7 | 7 | |
| Deck Joints | | | N | N | ACP Covered |
| Bump (Y/N) | | No | | | |
| Deck Drainage | | | 7 | 7 | |
| Drains Clogged (Y/N) | | No | | | |
| Curbs/Median | | | 5 | 5 | Minor Damage @ NE |
| (Curb Type : Standard) | | | | | |
| Scaling (Percent Area) | | 1 | | | |
| Bridge Rail | | | 7 | 5 | 1 Layer |
| (Type : GALVANIZED STEEL FLEX BEAM) | | | | | |
| Bridge Rail Posts | | | 7 | 6 | |
| (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) | | | | | |
| Bridge Rail/Posts Coating | | | 7 | 6 | |
| (Type : GALVANIZED) | | | | | |
| Sidewalk | | | X | X | |
| Girder Detail Ratings | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | |
| Last | 0 | 0 | 0 | 0 | |
| Now | 0 | 0 | 0 | 0 | |
| Girders | | | 5 | 4 | Wide longitudinal cracks in AZ unsound or unconfirmed 1 leg only: Sp.1 G2,5,7,9 & 11. Medium longitudinal cracks in AZ soundings not confirmed both legs. Sp.2 G6. Wide longitudinal cracks in AZ both legs curb Sp.1 G1. |
| Last Complete Inspection Date | | 23-Jan-2012 | | | |
| Cracking (Y/N) | | Yes | | | |
| Spalling (Percent Area) | | 1 | | | |
| Lift or Connector Pocket Grouted (Y/N) | | Yes | | | |
| (Number Of Girders : 24) | | | | | |
| Span Alignment Problems | | | | | |
| Vertical (Y/N) | | No | | | |
| Horizontal (Y/N) | | No | | | |
| Superstructure General Rating | | | 5 | 4 | |

| Substructure | | | | | | |
|--|-----------|-----------|-----------|--------------------------|--|--|
| Bridge Component | | Last | Now | Explanation of Condition | | |
| Abutments | | | | | | |
| (Extended Backwall Piles (Y/N) : Y) | | | | | | |
| (Extended Backwall Piles Spacing(mm) : 1500) | | | | | | |
| (Total Number of Caps/Corbels : 7:7) | | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | PLYWOOD ON WEST ABUT UNDER GIRDERS SQUISHING CAPS STACKED & NOT ALIGNED VERTICALLY Measured 175mm face of 2nd cap to face top cap @ NW at Abut. 1 | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0 | 0 | 0 | 0 | | |
| Bearing Seats/Caps/Corbels | | | 5 | 5 | | |
| (Type : TREATED TIMBER) | | | | | | |
| (Depth(mm) : 940) | | | | | | |
| (Width(mm) : 305) | | | | | | |
| Backwalls/Breastwalls | | | | | | |
| | | | 5 | 5 | | |
| Greatest Height (m) 2.20 | | | | | | |
| Wingwalls | | | | | | |
| | | | 7 | 5 | | |
| (Total Number of Bearing Piles : 8:8) | | | | | | |
| Piles Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | 2nd pile NE corner split has been banded | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0 | 0 | 0 | 0 | | |
| Piles | | | 5 | 5 | | |
| Paint/Coating | | | | | | |
| | | | X | X | | |
| Abutment Stability | | | | | | |
| | | | 5 | 5 | | |
| Scour/Erosion | | | | | | |
| | | | 5 | 5 | | |
| Piers/Bents | | | | | | |
| (Type : PIER-COLUMN) | | | | | | |
| (Total Number of Caps/Corbels : 1) | | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | 2nd from North- Steel "H"- Pile ((3) banded piles) Struts | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0 | 0 | 0 | 0 | | |
| Bearing Seats/Caps/Corbels | | | 7 | 7 | | |
| (Type : STEEL) | | | | | | |
| (Depth(mm) : 360) | | | | | | |
| (Width(mm) : 360) | | | | | | |
| (Total Number of Bearing Piles : 10) | | | | | | |
| Piles Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0 | 0 | 0 | 0 | | |
| Pier Shaft/Piles | | | | | | |
| | | | 5 | 5 | | |
| Greatest Height (m) 3.50 | | | | | | |
| Bracing/Struts/Sheathing | | | | | | |
| | | | 6 | 5 | | |
| Nose Plate | | | | | | |
| | | | X | X | | |
| Paint/Coating | | | | | | |
| | | | X | X | | |
| (Colour Description :) | | | | | | |
| (Colour Code :) | | | | | | |

| Substructure | | | | |
|--|-----|----------|----------|-------------------------------------|
| Bridge Component | | Last | Now | Explanation of Condition |
| Pier Stability | | 5 | 5 | |
| Scour | | 5 | 5 | |
| Debris (Y/N) | Yes | | | Old pilings in channel |
| Substructure General Rating | | 5 | 4 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction : N) | | | | Curves both ends |
| (D/S Direction : S) | | | | |
| Alignment | | 5 | 5 | |
| Bank Stability | | 5 | 5 | |
| HWM (m below Top of Curb) | | | | No visible HWM |
| Drift (Y/N) | No | | | |
| Slope Protection (Type :) | | 5 | 5 | No asphalt as head slope protection |
| Guidebank/Spurs | | X | X | |
| Adequacy of Opening | | 6 | 6 | |
| (Fish Compensation Measure 1 : NONE) | | | | |
| (Fish Compensation Measure 2 : NONE) | | | | |
| Channel General Rating | | 5 | 5 | |

| 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 | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 55.6/44.4 | Sufficiency Rating (Last/Now) (%) | 65.2/60.8 | Est. Repl. Yr | 2020 | 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 | Rex Davidson | | Previous Assistant's Name | | | | |
| Next Inspection Date | 23-Apr-2015 | | Previous Inspection Date | 08-Jun-2010 | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |