

| Bridge Inspection | | | | | | | | | |
|------------------------|---------------------------------|-----------|------|------------|---------------------|--------------------|---|--|--|
| Bridge File Number | 75929 -1 Bridge | | | | Form Type | CON | | | |
| Year Built/Year Supstr | 1963/1963 | | | | Lot No. | 2 | | | |
| Bridge or Town Name | HILL SPRING | | | | Inspector Name | Jason Rusu | | | |
| Located Over | PFR - IRRIGATION C, WATERCRS-IC | | | | Inspector Class | BR CLS A | | | |
| Located On | 505:02 C1 21.673 | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 10-Jun-2012 | | | |
| Legal Land Location | SE SEC 30 TWP 4 RGE 27 W4M | | | | Data Entry By | Kelsey Roberts | | | |
| Longitude, Latitude | -113:36:49, 49:19:11 | | | | Data Entry Date | 20-Jul-2012 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Garry Roberts | | | |
| Contract Main. Area | CMA25 | | | | Review Date | 10-Jul-2012 | | | |
| Clear Roadway/Skew | 9.1 / | | | | Dept. Reviewer Name | Tim Davies | | | |
| AADT/Year | 550 / 2011 (A) | | | | Dept. Review Date | 30-Jul-2012 | | | |
| Road Classification | RCU-209-110 | | | | Follow-Up By | | | | |
| Detour Length (km) | 5 | | | | | | | | |
| Allowable Load (t): | Single | H 33 DECK | Semi | HS 53 DECK | Train | CS3 65 DECK | ----> On Critical Spans ---->Critical Member | | |
| Design Loading: | HS20 | | | | | ----> 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 req. | | | | | | | | | |
| Hazard Marker At Bridge (Y/N) | Yes | | | | | | | | | |
| Remarks | all 4 corners INSTALLED TOO LOW. 1.1m high | | | | | | | | | |
| Other Sign Types | | | | | | | | | | |

| Utilities (Located at) | | | | | | | | | |
|------------------------|--------------------------------|--|--|--|---------------|---------------|--|--|--|
| Utility Attachments | TELEPHONE UTILITIES-PHONE LINE | | | | | | | | |
| Telephone | n.e. & s.w. corners | | | | Gas | 20 M.TO NORTH | | | |
| Power | NORTH SIDE 3 WIRE | | | | Municipal | | | | |
| Others | agt along underside of n.curb | | | | Problem (Y/N) | No | | | |
| Remarks | | | | | | | | | |

| Approach Road | | | | | | | | | |
|-------------------------------------|-------------|----------|----------|---|--|--|--|--|--|
| | | Last | Now | Explanation of Condition | | | | | |
| Horizontal Alignment | | 7 | 7 | Access to canal head, all 4 corners | | | | | |
| Vertical Alignment | | 8 | 8 | | | | | | |
| Roadway Width (m) | 8.300 | | | 2 potholes at East 200mm dia. x 30mm deep in EBL. | | | | | |
| Approach Bump | | 7 | 4 | | | | | | |
| Guardrail (Y/N) | Yes | | | | | | | | |
| Guardrail | | 7 | 7 | Type 6 Not thriebeam | | | | | |
| Length (m) | 4.500 | | | | | | | | |
| Current Standard (Y/N) | No | | | | | | | | |
| Termination Type | FLARED ENDS | | | | | | | | |
| Drainage | | 7 | 7 | | | | | | |
| Approach Road General Rating | | 7 | 7 | | | | | | |

| Superstructure | | | | | | |
|---|-------|--------------|-------|--------------------------|---|--|
| Bridge Component | | Last | Now | Explanation of Condition | | |
| (Primary Span : CS, 3 Spans, Lengths(m): 8.5-11-8.5, A-Ident Number:) | | | | | | |
| Special Features | | | | | | |
| Special Feature | | | X | (WBR-5) 9-Oct-2012 | | |
| (Type :) | | | | | | |
| Special Feature | | | X | | | |
| (Type :) | | | | | | |
| Wearing Surface/Deck Top Detail Ratings | | | | | | |
| | N (%) | 1 (%) | 2 (%) | 3 (%) | | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Wearing Surface | | | 6 | 4 | Overlay delaminating at East end. Transverse & long. cracking total length of deck along centreline of roadway-most cracks covered with asphaltic sealant | |
| (Material Type : ACP) | | | | | | |
| (Thickness(mm) : 50) | | | | | | |
| Deck Top | | | N | N | | |
| Deck Rideability | | | 7 | 7 | | |
| Deck Joints | | | N | N | fibre board paved over | |
| Temperature (deg. C) | | 0 | | | | |
| (Expansion Type :) | | | | | | |
| (Fixed Type : ASPHALTIC FIBRE BOARD) | | | | | | |
| Gap Size (mm) | | Gap Location | | | | |
| | | | | | | |
| Deck Drainage | | | 7 | 7 | | |
| Drains Clogged (Y/N) | | No | | | | |
| Curbs/Median | | | 7 | 7 | med.width,transv.cracks spaced 0.25 m apart. | |
| (Curb Type : Standard) | | | | | | |
| Scaling (Percent Area) | | 0 | | | | |
| Bridge Rail | | | 6 | 6 | minor damage to 4 panels on the north side. (2,3,4,5 panels from n.e. corner Minor chips on 3 @ N panels painted, minor rust blue paint peeling away to expose primer | |
| (Type : VERTICAL BAR) | | | | | | |
| Bridge Rail Posts | | | 6 | 6 | | |
| (Type : POST STEEL;POST STEEL) | | | | | | |
| Bridge Rail/Posts Coating | | | 4 | 4 | | |
| (Type : PAINT) | | | | | | |
| Sidewalk | | | X | X | | |
| Girders | | | X | X | | |
| Diaphragms/Cross Frame | | | X | X | | |
| Bearings | | | N | N | Corrosion @ abuts stains | |
| Temperature (deg. C) | | 0 | | | | |
| (Expansion Type :) | | | | | | |
| (Fixed Type :) | | | | | | |
| Coating Adequate (Y/N) | | Yes | | | | |
| Functioning (Y/N) | | Yes | | | | |
| Deck Underside | | | 7 | 7 | SEVERAL NARROW LONG. CRACKS ON E & W SPANS, TOTAL LENGTH OF EACH SPAN SPACED 1 OR 2 ft. APART AT THE CENTER. | |
| Stains (Percent Area) | | 0 | | | | |
| Span Alignment Problems | | | | | | |
| Vertical (Y/N) | | No | | | | |
| Horizontal (Y/N) | | No | | | | |

| Superstructure | | | | |
|--|-----|------|-----|--|
| Bridge Component | | Last | Now | Explanation of Condition |
| (Primary Span : CS, 3 Spans, Lengths(m): 8.5-11-8.5, A-Ident Number:) | | | | |
| Superstructure General Rating | | 7 | 7 | |
| Substructure | | | | |
| Bridge Component | | Last | Now | Explanation of Condition |
| Abutments | | | | |
| Bearing Seats | | 7 | 7 | |
| Backwalls/Breastwalls | | 7 | 7 | |
| Wingwalls | | 7 | 7 | |
| Piles | | N | N | Buried |
| Paint/Coating | | X | X | |
| Abutment Stability | | 7 | 7 | |
| Scour/Erosion | | 5 | 5 | |
| Piers/Bents | | | | |
| (Type : PIER-COLUMN) | | | | 2 piers with 5 concrete pier columns each. |
| Bearing Seats/Caps | | 7 | 7 | |
| (Type : CONCRETE) | | | | |
| Pier Shaft/Piles | | 7 | 7 | |
| Nose Plate | | X | X | |
| Paint/Coating | | X | X | |
| (Colour Description :) | | | | |
| (Colour Code :) | | | | |
| Pier Stability | | 7 | 7 | |
| Scour | | N | N | Too deep. |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | 7 | 7 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction :) | | | | East West |
| (D/S Direction :) | | | | |
| Alignment | | 6 | 6 | |
| Bank Stability | | 5 | 5 | |
| HWM (m below Top of Curb) | 2.8 | | | No visible HWM |
| Drift (Y/N) | No | | | |
| Slope Protection | | 5 | 5 | Class 1m rock |
| (Type : RIP RAP; RIP RAP) | | | | |
| Guidebank/Spurs | | X | X | |
| Adequacy of Opening | | 7 | 7 | |
| (Fish Compensation Measure 1 : NONE) | | | | |
| (Fish Compensation Measure 2 : NONE) | | | | |

| Structure Usage | | | | |
|-------------------------------|--|-------------|------------|---------------------------------|
| | | Last | Now | Explanation of Condition |
| Channel General Rating | | 7 | 5 | |

| Maintenance Recommendations | | | | | | | |
|---|------------------|---|---------------------------|---------------|-----------|-------------------|-----|
| Inspector Recommendations | Year | Inspector Comments | Department Comments | Target Year | Est. Cost | Cat # | |
| REPAIR/REPLACE BRIDGE RAIL | | | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | |
| RETROFIT BRIDGE RAIL | | | | | | | |
| SEAL CURBS | | | | | | | |
| PATCH DECK | 2012 | Patch deck and approach road potholes-0.2m2 | | | | | |
| 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 | 2012 | Reset hazard signs to current standards. | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 77.8/77.8 | Sufficiency Rating (Last/Now) (%) | 75.0/72.5 | Est. Repl. Yr | 2032 | 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 | Garry Roberts | | Previous Assistant's Name | | | | |
| Next Inspection Date | 10-Sep-2015 | | Previous Inspection Date | 09-Sep-2009 | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |