

| Bridge Inspection | | | | | | | | | |
|-------------------------------------|--|--------|-------------------|----------|--|----------------------------|-----------------|---|--|
| Bridge File Number | 78711 -1 Bridge | | | | Form Type | PCS | | | |
| Year Built/Year Supstr | 1981/1981 | | | | Lot No. | 4 | | | |
| Bridge or Town Name | NANTON | | | | Inspector Name | Garry Roberts | | | |
| Located Over | JOHNSON CREEK, 2.12.25.22, WATERCRS-ST | | | | Inspector Class | BR CLS A | | | |
| Located On | 532:02 C1 12.725 | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 16-May-2010 | | | |
| Legal Land Location | SW SEC 9 TWP 15 RGE 3 W5M | | | | Data Entry By | Alyssa Boynton | | | |
| Longitude, Latitude | -114:21:54, 50:14:20 | | | | Data Entry Date | 17-Aug-2010 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Ash Morjaria | | | |
| Contract Main. Area | CMA27 | | | | Review Date | 10-Jun-2010 | | | |
| Clear Roadway/Skew | 8.8 / -30 deg. (LHF) | | | | Dept. Reviewer Name | Lorenz Bohnert | | | |
| AADT/Year | 110 / 2009 (A) | | | | Dept. Review Date | 18-Aug-2010 | | | |
| Road Classification | RCU-208-110 | | | | Follow-Up By | | | | |
| Detour Length (km) | 50 | | | | | | | | |
| Allowable Load (t): | Single | CS1 28 | | Semi | CS2 49 | | Train | CS3 62 | |
| Design Loading: | MS23 | | | | | | | ----> 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 | | | | | Gas | Marker 50m north of bridge | | | |
| Power | | | | | Municipal | | | | |
| Others | | | | | Problem (Y/N) | No | | | |
| Remarks | | | | | | | | | |
| Approach Road | | | | | | | | | |
| | | | Last | Now | Explanation of Condition | | | | |
| Horizontal Alignment | | | 5 | 6 | Intersection 60m west of bridge | | | | |
| Vertical Alignment | | | 5 | 7 | bridge is on a curve | | | | |
| Roadway Width (m) | 8.200 | | | | Gravel Road | | | | |
| Approach Bump | | | 6 | 5 | | | | | |
| Guardrail (Y/N) | | | Yes | | Minor damage at SW. Missing 1 splice bolt at NW T.D. end | | | | |
| Guardrail | | | 5 | 4 | Not Thriebeam | | | | |
| Length (m) | | | 8.800 | | | | | | |
| Current Standard (Y/N) | | | No | | | | | | |
| Termination Type | | | TURNED DOWN | | | | | | |
| Drainage | | | 7 | 7 | | | | | |
| Approach Road General Rating | | | 5 | 6 | | | | | |

| Superstructure | | | | | |
|--|-----------|-------------|-----------|--------------------------|--|
| Bridge Component | | Last | Now | Explanation of Condition | |
| (Primary Span : SM, 1 Spans, Lengths(m): 11, A-Ident Number:) | | | | | |
| Special Features | | | | | |
| Special Feature | | | X | | |
| (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 | | | X | X | |
| (Material Type :) | | | | | |
| (Thickness(mm) :) | | | | | |
| Lateral Connection Problem (Y/N) | | No | | | |
| Deck Top | | | 7 | 6 | Pitting from gravel |
| Deck Rideability | | | 7 | 7 | |
| Deck Joints | | | 7 | 7 | buffer angles |
| Bump (Y/N) | | No | | | |
| Deck Drainage | | | 7 | 7 | no drains |
| Drains Clogged (Y/N) | | No | | | |
| Curbs/Median | | | 6 | 6 | Map cracking on north curb Spall on NW corner minor |
| (Curb Type : Standard) | | | | | |
| Scaling (Percent Area) | | 0 | | | |
| Bridge Rail | | | 7 | 7 | Double layer |
| (Type : FLEX BEAM) | | | | | |
| Bridge Rail Posts | | | 7 | 8 | |
| (Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL) | | | | | |
| Bridge Rail/Posts Coating | | | 7 | 7 | |
| (Type :) | | | | | |
| 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 | | | 6 | 6 | Minor construction spall. Some map cracking. Narrow cracks run the length of each girder no staining. |
| Last Complete Inspection Date | | 16-May-2010 | | | |
| Cracking (Y/N) | | Yes | | | |
| Spalling (Percent Area) | | 1 | | | |
| Lift or Connector Pocket Grouted (Y/N) | | Yes | | | |
| (Number Of Girders : 8) | | | | | |
| Span Alignment Problems | | | | | |
| Vertical (Y/N) | | No | | | |
| Horizontal (Y/N) | | No | | | |
| Superstructure General Rating | | | 6 | 6 | |

| Substructure | | | | | |
|--|-----------|-----------|-----------|--------------------------|---|
| Bridge Component | | Last | Now | Explanation of Condition | |
| Abutments | | | | | |
| (Extended Backwall Piles (Y/N) : Y) | | | | | |
| (Extended Backwall Piles Spacing(mm) : 1400) | | | | | |
| (Total Number of Caps/Corbels : 3:3) | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | |
| Last | 0 | 0 | 0 | 0 | |
| Now | 0 | 0 | 0 | 0 | |
| Bearing Seats/Caps/Corbels | | | | 6 | 6 |
| (Type : TREATED TIMBER) | | | | | |
| (Depth(mm) : 300) | | | | | |
| (Width(mm) : 350) | | | | | |
| Backwalls/Breastwalls | | | 6 | 7 | |
| Greatest Height (m) | | 3.10 | | | |
| Wingwalls | | | 6 | 7 | |
| (Total Number of Bearing Piles : 9:9) | | | | | |
| Piles Detail Ratings | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | |
| Last | 0 | 0 | 0 | 0 | |
| Now | 0 | 0 | 0 | 0 | |
| Piles | | | | 5 | 6 |
| Paint/Coating | | | | X | X |
| Abutment Stability | | | | 5 | 6 |
| Scour/Erosion | | | | 8 | 7 |
| Piers/Bents | | | | | |
| (Type :) | | | | | |
| (Total Number of Caps/Corbels :) | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | |
| Last | 0 | 0 | 0 | 0 | |
| Now | | | | | |
| 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) | |
| Last | 0 | 0 | 0 | 0 | |
| Now | | | | | |
| 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 | | | |
| Substructure General Rating | | 5 | 6 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction : S) | | | | CHANNEL 90 DEGREE TURN JUST U/S OF SITE. |
| (D/S Direction : N) | | | | |
| Alignment | | 4 | 4 | |
| Bank Stability | | 7 | 5 | |
| HWM (m below Top of Curb) | | | | No HWM visible Minor Drift in U/S channel |
| Drift (Y/N) | No | | | |
| Slope Protection | | 7 | 6 | |
| (Type : RIP RAP; RIP RAP) | | | | |
| Guidebank/Spurs | | X | X | |
| Adequacy of Opening | | 7 | 6 | |
| (Fish Compensation Measure 1 : NONE) | | | | |
| (Fish Compensation Measure 2 : NONE) | | | | |
| Channel General Rating | | 4 | 4 | |

| 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) (%) | 61.1/66.7 | Sufficiency Rating (Last/Now) (%) | 66.0/67.7 | Est. Repl. Yr | 2033 | 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 | Tim Davies | | Previous Assistant's Name | | | | |
| Next Inspection Date | 16-Aug-2013 | | Previous Inspection Date | 16-Jan-2007 | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |