

| Bridge Inspection | | | | | | | | | | |
|------------------------|------------------------------|--|------|--|---------------------|----------------|---|--------------------|--|--|
| Bridge File Number | 78813 -1 Bridge | | | | Form Type | TT | | | | |
| Year Built/Year Supstr | 1977/1977 | | | | Lot No. | 3 | | | | |
| Bridge or Town Name | MILLARVILLE | | | | Inspector Name | Calvin Roberts | | | | |
| Located Over | TRAIL-ANIMAL, OVER SP | | | | Inspector Class | BR CLS B | | | | |
| Located On | 549:02 C1 12.773 | | | | Assistant Name | | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 09-Feb-2013 | | | | |
| Legal Land Location | SE SEC 8 TWP 21 RGE 3 W5M | | | | Data Entry By | Lauren Korte | | | | |
| Longitude, Latitude | -114:22:32, 50:45:48 | | | | Data Entry Date | 09-Mar-2013 | | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Garry Roberts | | | | |
| Contract Main. Area | CMA27 | | | | Review Date | 16-Feb-2013 | | | | |
| Clear Roadway/Skew | 9 / | | | | Dept. Reviewer Name | Tim Davies | | | | |
| AADT/Year | 1,510 / 2011 (A) | | | | Dept. Review Date | 13-Mar-2013 | | | | |
| Road Classification | RCU-209-110 | | | | Follow-Up By | | | | | |
| Detour Length (km) | 5 | | | | | | | | | |
| Allowable Load (t): | Single | | Semi | | Train | | ----> On Critical Spans ---->Critical Member | | | |
| Design Loading: | | | | | | | | ----> Primary Span | | |

| Posting Information | | | | | | | | | | |
|--------------------------------------|---------------|----------------|-------------------|------|------------------|-------------|-----------------|----|---------------|------------------|
| Required Vert. Clearance Posting (m) | | | | | | | | | | |
| Posted Vertical Clearance (Y/N) | | | | | | | | | | |
| Posted: | Lane | NB | On Bridge (m) | | In Advance (Y/N) | | Lane | SB | On Bridge (m) | In Advance (Y/N) |
| Remarks | Not required. | | | | | | | | | |
| 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) | | No | | | | | | | | |
| Remarks | | None required. | | | | | | | | |
| Other Sign Types | | | | | | | | | | |

| Utilities (Located at) | | | | | | | | | | |
|------------------------|---------------------|--|--|--|---------------|-----------|--|--|--|--|
| Utility Attachments | | | | | | | | | | |
| Telephone | South ditch. | | | | Gas | | | | | |
| Power | 3 Wire North fence. | | | | Municipal | 26m East. | | | | |
| Others | | | | | Problem (Y/N) | No | | | | |
| Remarks | | | | | | | | | | |

| Approach Road | | | | |
|-------------------------------------|----------|----------|----------|--|
| | | Last | Now | Explanation of Condition |
| Horizontal Alignment | | 6 | 6 | Curve to West. |
| Vertical Alignment | | 8 | 8 | |
| Roadway Width (m) | 9.000 | | | 1 broken post @ SW corner. 3 posts on North side close to breaking. Not thriebeam. |
| Approach Bump | | 7 | 7 | |
| Guardrail (Y/N) | Yes | | | |
| Guardrail | | 7 | 4 | |
| Length (m) | 47.000 | | | |
| Current Standard (Y/N) | No | | | |
| Termination Type | TURNDOWN | | | |
| Drainage | | 7 | 7 | |
| Approach Road General Rating | | 6 | 6 | |

| Superstructure | | | | | |
|---|-----------|-----------|-----------|--------------------------|--|
| Bridge Component | | Last | Now | Explanation of Condition | |
| (Primary Span : TP, 1 Spans, Lengths(m): 1.8, 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/Deck Top | | | 7 | 7 | 0.65m of cover over structure. |
| (Material Type : MIX TYPE 1 ACP) | | | | | |
| (Plank Thickness(mm) : 50) | | | | | |
| (Plank Width(mm) :) | | | | | |
| Deck Rideability | | | 7 | 7 | |
| Wheel Guards | | | X | X | |
| (Curb Type :) | | | | | |
| (Type :) | | | | | |
| (Thickness(mm) :) | | | | | |
| (Width(mm) :) | | | | | |
| Bridge Rail | | | X | X | |
| (Type :) | | | | | |
| Bridge Rail Posts | | | X | X | |
| (Type :) | | | | | |
| Bridge Rail/Posts Coating | | | X | X | |
| (Type :) | | | | | |
| (No. of Stringers : Null) | | | | | |
| Stringer Detail Ratings | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | |
| Last | | | | | |
| Now | | | | | |
| Stringers | | | X | X | |
| (Type :) | | | | | |
| (Width(mm) :) | | | | | |
| (Depth(mm) :) | | | | | |
| (Spacing(mm) :) | | | | | |
| | | | | | |
| Sub Deck/Deck Underside | | | 6 | 6 | Timbers vary from 100mm to 400mm. New 75x305 planks at North end. |
| (Material Type : TREATED TIMBER) | | | | | |
| (Plank Thickness(mm) : 100) | | | | | |
| (Plank Width(mm) :) | | | | | |
| Defects (Percent Area) | | 2 | | | |
| 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) : N) | | Cap notched into piles, sharing load with pile tops; extra planks added to small piles. | | | | | | | | |
| (Extended Backwall Piles Spacing(mm) :) | | | | | | | | | | |
| (Total Number of Caps/Corbels : :) | | Repair 2008. Additional new 100x305 T.T. added at North end. | | | | | | | | |
| 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 | 5 | | |
| (Type : TREATED TIMBER) | | | | | | | | | | |
| (Depth(mm) : 300) | | | | | | | | | | |
| (Width(mm) : 300) | | | | | | | | | | |
| Backwalls/Breastwalls | | | | | | | 6 | 6 | | |
| Greatest Height (m) | | 1.80 | | | | | | | | |
| Wingwalls | | | 6 | 6 | | | | | | |
| (Total Number of Bearing Piles : 12:12) | | 12/side. Additional new 100x305 bolted to existing 200x200 T.T. piles at North end. | | | | | | | | |
| Piles Detail Ratings | | | | | | | | | | |
| | N (count) | | | | | | 1 (count) | 2 (count) | 3 (count) | |
| Last | 0 | | | | | | 0 | 0 | 0 | |
| Now | 0 | | | | | | 0 | 0 | 0 | |
| Piles | | | | | | | 6 | 6 | | |
| Paint/Coating | | | | | | | X | X | | |
| Abutment Stability | | | | | | | 6 | 6 | | |
| Scour/Erosion | | | | | | | 7 | 7 | | |
| | | | | | | | Grass covered. | | | |
| Piers/Bents | | | | | | | | | | |
| (Type :) | | | | | | | | | | |
| (Total Number of Caps/Corbels :) | | | | | | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | | | | | |
| Last | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Now | | | | | | | | | | |
| Pier Shaft/Piles | | | | | | | X | X | | |
| Greatest Height (m) | | | | | | | | | | |
| Bracing/Struts/Sheathing | | | | | | | 6 | 6 | | |
| 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 | | 6 | 5 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Grade Separation | | | | |
| Road Alignment | | X | X | |
| Traffic Safety Features | | X | X | |
| Type | NONE | | | |
| Slope Protection (Type :) | | 7 | N | Snow covered. |
| Bank Stability | | 7 | N | |
| Drainage | | 6 | 6 | |
| Grade Separation General Rating | | 7 | 6 | |

| Maintenance Recommendations | | | | | | | |
|---|------------------|--|---------------------------|---------------|-----------|-------------------|-----|
| Inspector Recommendations | Year | Inspector Comments | Department Comments | Target Year | Est. Cost | Cat # | |
| REPAIR/REPLACE BRIDGE RAIL | | | | | | | |
| PATCH DECK | | | | | | | |
| REPLACE STRIP DECK | | | | | | | |
| REPLACE SUB DECK | | | | | | | |
| STRAIGHTEN/REPLACE MEMBERS | | | | | | | |
| WASHING | | | | | | | |
| CORE TIMBER CAPS/CORBELS | | | | | | | |
| REPAIR/REPLACE TIMBER CAPS | | | | | | | |
| REPAIR ABUTMENT SCOUR/EROSION | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | |
| INSTALL STRUTS | | | | | | | |
| OTHER ACTION | 2013 | Replace 4 T.T guardrail posts. | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 66.7/61.1 | Sufficiency Rating (Last/Now) (%) | 60.3/56.2 | Est. Repl. Yr | 2020 | 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 | 09-May-2016 | | Previous Inspection Date | 01-Oct-2009 | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |