

| Bridge Inspection | | | | | | | | | |
|------------------------|---------------------------------|--------|------|--------|---------------------|----------------|---|--|--|
| Bridge File Number | 00873 -1 Bridge | | | | Form Type | PCS | | | |
| Year Built/Year Supstr | 1986/1986 | | | | Lot No. | 4 | | | |
| Bridge or Town Name | CALGARY | | | | Inspector Name | Garry Roberts | | | |
| Located Over | WID - IRRIGATION C, WATERCRS-IC | | | | Inspector Class | BR CLS A | | | |
| Located On | 560:02 C1 1.957 | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 06-Jan-2012 | | | |
| Legal Land Location | SW SEC 30 TWP 23 RGE 28 W4M | | | | Data Entry By | Kelsey Roberts | | | |
| Longitude, Latitude | -113:54:05, 50:58:47 | | | | Data Entry Date | 04-Feb-2012 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Tom Carey | | | |
| Contract Main. Area | CMA30 | | | | Review Date | 18-Jan-2012 | | | |
| Clear Roadway/Skew | 12.1 / -32 deg. (LHF) | | | | Dept. Reviewer Name | Tim Davies | | | |
| AADT/Year | 5,040 / 2010 (A) | | | | Dept. Review Date | 06-Feb-2012 | | | |
| Road Classification | RCU-209-110 | | | | Follow-Up By | | | | |
| Detour Length (km) | 10 | | | | | | | | |
| Allowable Load (t): | Single | CS1 28 | Semi | CS2 49 | Train | CS3 62 | ----> On Critical Spans ---->Critical Member | | |
| Design Loading: | MS300 | | | | | | ----> 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 | No diving off bridge | | | | | | | | |

| Utilities (Located at) | | | | | | | | | |
|------------------------|--------------------|--|--|--|---------------|----|--|--|--|
| Utility Attachments | | | | | | | | | |
| Telephone | South side. | | | | Gas | | | | |
| Power | 4 wires North Row. | | | | Municipal | | | | |
| Others | | | | | Problem (Y/N) | No | | | |
| Remarks | | | | | | | | | |

| Approach Road | | | | | | | | | |
|-------------------------------------|----------|----------|----------|------------------------------------|--|--|--|--|--|
| | | Last | Now | Explanation of Condition | | | | | |
| Horizontal Alignment | | 8 | 8 | | | | | | |
| Vertical Alignment | | 8 | 8 | | | | | | |
| Roadway Width (m) | 12.000 | | | Minor dents at NE Not Thriebeam | | | | | |
| Approach Bump | | 8 | 7 | | | | | | |
| Guardrail (Y/N) | Yes | | | | | | | | |
| Guardrail | | 7 | 6 | | | | | | |
| Length (m) | 15.000 | | | | | | | | |
| Current Standard (Y/N) | No | | | | | | | | |
| Termination Type | Wing End | | | | | | | | |
| Drainage | | 8 | 8 | | | | | | |
| Approach Road General Rating | | 8 | 8 | | | | | | |

| Superstructure | | | | | | |
|---|-----------|-------------|-----------|--------------------------|--|--|
| Bridge Component | | Last | Now | Explanation of Condition | | |
| (Primary Span : SMC, 4 Spans, Lengths(m): 11-11-11-11, A-Ident Number:) | | | | | | |
| Special Features | | | | | | |
| Special Feature | | | X | | | |
| (Type :) | | | | | | |
| Special Feature | | | X | | | |
| (Type :) | | | | | | |
| Wearing Surface/Deck Top Detail Ratings | | | | | | |
| | N (%) | 1 (%) | 2 (%) | 3 (%) | | |
| Last | | | | | | |
| Now | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Wearing Surface | | | | 8 | 8 | |
| (Material Type : ACP) | | | | | | |
| (Thickness(mm) : 70) | | | | | | |
| Lateral Connection Problem (Y/N) | | No | | | | |
| Deck Top | | | N | N | Paved over | |
| Deck Rideability | | | 8 | 8 | | |
| Deck Joints | | | 7 | 7 | Tar filled saw cuts | |
| Bump (Y/N) | | No | | | | |
| Deck Drainage | | | 8 | 7 | | |
| Drains Clogged (Y/N) | | No | | | | |
| Curbs/Median | | | 7 | 7 | | |
| (Curb Type : Standard) | | | | | | |
| Scaling (Percent Area) | | 0 | | | | |
| Bridge Rail | | | 8 | 8 | 5 A/B nuts are just flush | |
| (Type : GALVANIZED STEEL BRIDGE TUBE) | | | | | | |
| Bridge Rail Posts | | | 8 | 5 | | |
| (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) | | | | | | |
| Bridge Rail/Posts Coating | | | 8 | 7 | | |
| (Type : GALVANIZED) | | | | | | |
| Sidewalk | | | X | X | | |
| Girder Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | |
| Last | | | | | | |
| Now | 0 | 0 | 0 | 0 | | |
| Girders | | | 4 | 5 | Patched @ SE girder. Corrosion stains @ holes drilled into SE curb girder to drain voids. Girders have typical SM diagonal hairline cracks on bottom. Diagonal cracking at exterior face of girder over pier. All cracks narrow to hairline. | |
| Last Complete Inspection Date | | 06-Jan-2012 | | | | |
| Cracking (Y/N) | | Yes | | | | |
| Spalling (Percent Area) | | 0 | | | | |
| Lift or Connector Pocket Grouted (Y/N) | | Yes | | | | |
| (Number Of Girders : 44) | | | | | | |
| Span Alignment Problems | | | | | | |
| Vertical (Y/N) | | No | | | | |
| Horizontal (Y/N) | | No | | | | |
| Superstructure General Rating | | | 4 | 5 | | |

| Substructure | | | | | | |
|---|-----------|-----------|-----------|-----------|-----|-------------------------------|
| Bridge Component | | | | Last | Now | Explanation of Condition |
| Abutments | | | | | | |
| (Extended Backwall Piles (Y/N) : N) | | | | | | |
| (Extended Backwall Piles Spacing(mm) :) | | | | | | |
| (Total Number of Caps/Corbels : 1:1) | | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | |
| Last | | | | | | |
| Now | 0 | 0 | 0 | 0 | | |
| Bearing Seats/Caps/Corbels | | | | 8 | 8 | |
| (Type : CONCRETE) | | | | | | |
| (Depth(mm) : 700) | | | | | | |
| (Width(mm) : 700) | | | | | | |
| Backwalls/Breastwalls | | | | X | X | |
| Greatest Height (m) | | 1.00 | | | | |
| Wingwalls | | | | 8 | 8 | |
| (Total Number of Bearing Piles : 0:0) | | | | | | |
| Piles Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | Buried |
| Last | 100 | | | | | |
| Now | 10 | 0 | 0 | 0 | | |
| Piles | | | | N | N | |
| Paint/Coating | | | | 7 | 7 | |
| Abutment Stability | | | | 9 | 8 | |
| Scour/Erosion | | | | 9 | 8 | |
| Piers/Bents | | | | | | |
| (Type : PIER-COLUMN) | | | | | | |
| (Total Number of Caps/Corbels : 1:1:1) | | | | | | |
| Bearing Seats/Caps/Corbels Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | |
| Last | | | | | | |
| Now | 0 | 0 | 0 | 0 | | |
| Bearing Seats/Caps/Corbels | | | | 7 | 7 | |
| (Type : CONCRETE) | | | | | | |
| (Depth(mm) :) | | | | | | |
| (Width(mm) :) | | | | | | |
| (Total Number of Bearing Piles : 7:7:7) | | | | | | |
| Piles Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | | |
| Last | | | | | | |
| Now | 0 | 0 | 0 | 0 | | |
| Pier Shaft/Piles | | | | 8 | 8 | |
| Greatest Height (m) | | 4.00 | | | | |
| Bracing/Struts/Sheathing | | | | X | X | |
| Nose Plate | | | | X | X | |
| Paint/Coating | | | | 8 | 4 | surface corrosion @ bottom 1m |
| (Colour Description :) | | | | | | |
| (Colour Code :) | | | | | | |
| Pier Stability | | | | 9 | 8 | |

| Substructure | | | | |
|--|-----|----------|----------|---|
| Bridge Component | | Last | Now | Explanation of Condition |
| Scour | | N | 7 | |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | 8 | 7 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction : N) | | | | |
| (D/S Direction : S) | | | | |
| Alignment | | 9 | 9 | Canal |
| Bank Stability | | 8 | 8 | Gabion basket retaining wall supporting sidewalk at West headslope. |
| HWM (m below Top of Curb) | 2.0 | | | Waterline on slope protection. |
| Drift (Y/N) | No | | | |
| Slope Protection | | 9 | 8 | |
| (Type : RIP RAP; RIP RAP) | | | | |
| Guidebank/Spurs | | X | X | |
| Adequacy of Opening | | 8 | 8 | |
| (Fish Compensation Measure 1 : NONE) | | | | |
| (Fish Compensation Measure 2 : NONE) | | | | |
| Channel General Rating | | 9 | 8 | |

| 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) (%) | 66.7/66.7 | Sufficiency Rating (Last/Now) (%) | 65.3/64.5 | Est. Repl. Yr | 2030 | 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 | Tom Carey | | Previous Assistant's Name | | | | |
| Next Inspection Date | 06-Apr-2015 | | Previous Inspection Date | 05-Dec-2008 | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |