

| Bridge Inspection | | | | | | | | | | |
|------------------------|------------------------------|--------|--|--|------|---------------------|----------------|-------|--------|---|
| Bridge File Number | 77260 S-2 Bridge | | | | | Form Type | PSR | | | |
| Year Built/Year Supstr | 2001/2001 | | | | | Lot No. | 4 | | | |
| Bridge or Town Name | ALDERSYDE | | | | | Inspector Name | Garry Roberts | | | |
| Located Over | MUNICIPAL ROAD;CPR | | | | | Inspector Class | BR CLS A | | | |
| Located On | 2:12 L1 8.437 | | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | | Inspection Date | 03-Oct-2011 | | | |
| Legal Land Location | SE SEC 32 TWP 19 RGE 28 W4M | | | | | Data Entry By | Alyssa Boynton | | | |
| Longitude, Latitude | -113:50:12, 50:38:49 | | | | | Data Entry Date | 10-Nov-2011 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | | Reviewer Name | Tom Carey | | | |
| Contract Main. Area | CMA27 | | | | | Review Date | 07-Oct-2011 | | | |
| Clear Roadway/Skew | 12.4 / -38 deg. (LHF) | | | | | Dept. Reviewer Name | Tim Davies | | | |
| AADT/Year | 15,040 / 2010 (A) | | | | | Dept. Review Date | 17-Nov-2011 | | | |
| Road Classification | RFD-412.4-130 | | | | | Follow-Up By | | | | |
| Detour Length (km) | | | | | | | | | | |
| Allowable Load (t): | Single | CS1 28 | | | Semi | CS2 49 | | Train | CS3 62 | ----> On Critical Spans ---->Critical Member |
| Design Loading: | CS750 | | | | | | | | | ----> Primary Span |

| Posting Information | | | | | | | | | | | | |
|--------------------------------------|------|----|-------------------|-----|------------------|------------------|------|----|-----------------|----|------------------|-----|
| Required Vert. Clearance Posting (m) | | | | | | | | | | | | |
| Posted Vertical Clearance (Y/N) | | | | | | Yes | | | | | | |
| Posted: | Lane | EB | On Bridge (m) | 7.2 | In Advance (Y/N) | Yes | Lane | WB | On Bridge (m) | | In Advance (Y/N) | Yes |
| Remarks | | | | | | | | | | | | |
| Required Load Posting (t) | | | Single | | | Semi | | | Truck Train | | | |
| Posted Loading (t) | | | Single | | | Semi | | | Truck Train | | | |
| Posted: | Lane | NB | At Junction (Y/N) | | | In Advance (Y/N) | | | At Bridge (Y/N) | | | |
| Posted: | Lane | SB | 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 | | | | | | | | | | | |
| Other Sign Types | | | | | | | | | | | |

| Utilities (Located at) | | | | | | | | | | | | |
|------------------------|--------------------------------|--|--|--|--|---------------|--|----|--|--|--|--|
| Utility Attachments | | | | | | | | | | | | |
| Telephone | E R/W | | | | | Gas | | | | | | |
| Power | 1 wire -250m e | | | | | Municipal | | | | | | |
| Others | Light standards and under deck | | | | | Problem (Y/N) | | No | | | | |
| Remarks | | | | | | | | | | | | |

| Approach Road | | | | | | | | | | | |
|-------------------------------------|--|----------|--|--|----------|-------------------------------|--|--|--|--|--|
| | | | | Last | Now | Explanation of Condition | | | | | |
| Horizontal Alignment | | | | 7 | 7 | Curves to N on crest over CPR | | | | | |
| Vertical Alignment | | | | 6 | 6 | | | | | | |
| Roadway Width (m) | | 12.400 | | | | | | | | | |
| Approach Bump | | | | 7 | 7 | | | | | | |
| Guardrail (Y/N) | | Yes | | Thrie beam & steel posts @ bridge Poor connection @ 1 post @ NW | | | | | | | |
| Guardrail | | | | 5 | 5 | | | | | | |
| Length (m) | | 99.000 | | No action - Still has adequate anchorage. | | | | | | | |
| Current Standard (Y/N) | | Yes | | Minor damage at SE | | | | | | | |
| Termination Type | | TURNDOWN | | | | | | | | | |
| Drainage | | | | 7 | 7 | | | | | | |
| Approach Road General Rating | | | | 6 | 6 | | | | | | |

| Superstructure | | | | | | |
|---|-----------|--------------|-----------|---|-----------------------------|--|
| Bridge Component | | Last | Now | Explanation of Condition | | |
| (Primary Span : CBC, 1 Spans, Lengths(m): 38, A-Ident Number:) | | | | | | |
| Special Features | | | | | | |
| Special Feature | | | 6 | Safety Rail Galv. Safety rail on top of MSE wall cap. Minor damage to post and lower rail at NW | | |
| (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 | | | 7 | 7 | Narrow map cracking @ N end | |
| (Material Type : CONCRETE) | | | | | | |
| (Thickness(mm) : 50) | | | | | | |
| Lateral Connection Problem (Y/N) | | No | | | | |
| Deck Top | | | X | X | | |
| Deck Rideability | | | 8 | 7 | | |
| Deck Joints | | | 8 | 7 | Buffer angles | |
| Temperature (deg. C) | | 18 | | | | |
| (Expansion Type :) | | | | | | |
| (Fixed Type :) | | | | | | |
| Gap Size (mm) | | Gap Location | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Deck Drainage | | | 7 | 7 | | |
| Drains Clogged (Y/N) | | No | | | | |
| Curbs/Median | | | 7 | 7 | | |
| (Curb Type : Standard) | | | | | | |
| Scaling (Percent Area) | | 0 | | | | |
| Bridge Rail | | | 8 | 7 | | |
| (Type : BRIDGE TUBE;STEEL BRIDGE TUBE) | | | | | | |
| Bridge Rail Posts | | | 8 | 7 | | |
| (Type : 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 | | | 8 | 8 | | |
| Cracking (Y/N) | | No | | | | |
| Spalling (Percent Area) | | 0 | | | | |
| (Number Of Girders : 11) | | | | | | |
| Diaphragms/Cross Frame | | | 8 | 8 | | |

| Superstructure | | | | |
|--|-----|----------|----------|--|
| Bridge Component | | Last | Now | Explanation of Condition |
| (Primary Span : CBC, 1 Spans, Lengths(m): 38, A-Ident Number:) | | | | |
| Bearings | | 8 | 7 | Viewed with binoculars. |
| Temperature (deg. C) | 18 | | | |
| (Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL) | | | | |
| (Fixed Type :) | | | | |
| Coating Adequate (Y/N) | Yes | | | |
| Functioning (Y/N) | Yes | | | |
| Deck Underside | | 8 | 8 | Stains from grouting |
| Stains (Percent Area) | 2 | | | |
| Span Alignment Problems | | | | |
| Vertical (Y/N) | No | | | |
| Horizontal (Y/N) | No | | | |
| Superstructure General Rating | | 8 | 7 | |
| Substructure | | | | |
| Bridge Component | | Last | Now | Explanation of Condition |
| Abutments | | | | |
| Bearing Seats/Caps | | 8 | 8 | |
| (Type : CONCRETE) | | | | |
| Backwalls/Breastwalls | | 8 | 8 | Common MSE panels with N/B bridge |
| Wingwalls | | 6 | 6 | MSE wing panels. Wide gaps at SE. Minor cracks at SW |
| Piles | | N | N | |
| Paint/Coating | | X | X | |
| Abutment Stability | | 8 | 7 | |
| Scour/Erosion | | X | X | |
| Piers/Bents | | | | |
| (Type :) | | | | |
| Bearing Seats/Caps | | X | X | |
| (Type :) | | | | |
| (Total Number of Bearing Piles :) | | | | |
| Pier Shaft/Piles | | X | X | |
| Bracing/Struts/Sheathing | | X | X | |
| Nose Plate | | X | X | |
| Paint/Coating | | X | X | |
| (Colour Description :) | | | | |
| (Colour Code :) | | | | |
| Pier Stability | | X | X | |
| Scour | | X | X | |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | 8 | 8 | |

| Structure Usage | | | | |
|--|-----------|----------|----------|---|
| | | Last | Now | Explanation of Condition |
| Grade Separation | | | | |
| Road Alignment | | 6 | 6 | Curve at East end of local road. Rxr at South side |
| Traffic Safety Features | | 7 | 7 | |
| Type | GUARDRAIL | | | |
| Slope Protection | | 8 | 7 | Vertical MSE panel retaining walls |
| (Type :) | | | | |
| Bank Stability | | 7 | 7 | |
| Drainage | | 7 | 7 | |
| Grade Separation General Rating | | 6 | 6 | |

| Maintenance Recommendations | | | | | | | |
|---|------------------|--|---------------------------|---------------|-----------|-------------------|----|
| Inspector Recommendations | Year | Inspector Comments | Department Comments | Target Year | Est. Cost | Cat # | |
| REPAIR/REPLACE BRIDGE RAIL | | | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | |
| SEAL CURBS | | | | | | | |
| PATCH DECK | | | | | | | |
| 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 | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 88.9/83.3 | Sufficiency Rating (Last/Now) (%) | 74.7/71.4 | Est. Repl. Yr | 2061 | 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 | Garry Roberts | | Previous Assistant's Name | | | | |
| Next Inspection Date | 03-Jul-2013 | | Previous Inspection Date | 10-Feb-2010 | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | |
| Comment | | | | | | | |