

| Bridge Inspection | | | | | | | | | |
|------------------------|------------------------------|--|------|--|---------------------|-----------------|---|--|--|
| Bridge File Number | 76109 -1 Bridge | | | | Form Type | PSR | | | |
| Year Built/Year Supstr | 1966/1966 | | | | Lot No. | 4 | | | |
| Bridge or Town Name | HONDO | | | | Inspector Name | Wade Nanninga | | | |
| Located Over | CNR | | | | Inspector Class | BR CLS A | | | |
| Located On | 2:46 C1 3.516 | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 28-Mar-2013 | | | |
| Legal Land Location | SE SEC 15 TWP 70 RGE 1 W5M | | | | Data Entry By | Theresa Lacusta | | | |
| Longitude, Latitude | -114:03:43, 55:03:30 | | | | Data Entry Date | 23-Apr-2013 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | Eric Carcoux | | | |
| Contract Main. Area | CMA10 | | | | Review Date | 17-Apr-2013 | | | |
| Clear Roadway/Skew | 11 / 15 deg. (RHF) | | | | Dept. Reviewer Name | Brent Herrick | | | |
| AADT/Year | 2,370 / 2012 (A) | | | | Dept. Review Date | 23-Apr-2013 | | | |
| Road Classification | RAU-211.8-110 | | | | Follow-Up By | | | | |
| Detour Length (km) | 7 | | | | | | | | |
| Allowable Load (t): | Single | | Semi | | Train | | ----> On Critical Spans ---->Critical Member | | |
| Design Loading: | HS20 | | | | ----> Primary Span | | | | |

| Posting Information | | | | | | | | | | | | |
|--------------------------------------|---------------|----|-------------------|----|---------------------|----|-----------------|----|---------------|--|------------------|----|
| Required Vert. Clearance Posting (m) | | | | | | | | | | | | |
| Posted Vertical Clearance (Y/N) | | | | | No | | | | | | | |
| Posted: | Lane | NB | On Bridge (m) | | In Advance (Y/N) | No | Lane | SB | On Bridge (m) | | In Advance (Y/N) | No |
| Remarks | Not required. | | | | | | | | | | | |
| Required Load Posting (t) | | | | | Single | | Semi | | Truck Train | | | |
| Posted Loading (t) | | | | | Single | | Semi | | Truck Train | | | |
| Posted: | Lane | NB | At Junction (Y/N) | No | In Advance (Y/N) | No | At Bridge (Y/N) | No | | | | |
| 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 | | | | | Not required. | | | | | | | |
| Other Sign Types | | | | | Speed, Information. | | | | | | | |

| Utilities (Located at) | | | | | | | | | |
|------------------------|-----------------------------|--|--|--|---------------|----|--|--|--|
| Utility Attachments | | | | | | | | | |
| Telephone | W r/w | | | | Gas | | | | |
| Power | 2 wire o/h @ NE | | | | Municipal | | | | |
| Others | Telegraph line under span 1 | | | | Problem (Y/N) | No | | | |
| Remarks | | | | | | | | | |

| Approach Road | | | | | | | | | |
|------------------------|--|--|--|-------------|-----|---|--|--|--|
| | | | | Last | Now | Explanation of Condition | | | |
| Horizontal Alignment | | | | 7 | 7 | On grade. Hwy 2A intersection to South. Limited sight distance. No passing. | | | |
| Vertical Alignment | | | | 6 | 6 | | | | |
| Roadway Width (m) | | | | 10.600 | | Creased/dented all 4 corners. | | | |
| Approach Bump | | | | 6 | 6 | | | | |
| Guardrail (Y/N) | | | | Yes | | | | | |
| Guardrail | | | | 7 | 5 | | | | |
| Length (m) | | | | 99.000 | | | | | |
| Current Standard (Y/N) | | | | Yes | | | | | |
| Termination Type | | | | Turned Down | | | | | |

| Approach Road | | | | | | |
|---|--|--------------|-----------|-----------|--|-----------|
| | | | Last | Now | Explanation of Condition | |
| Drainage | | | 7 | 7 | | |
| Approach Road General Rating | | | 6 | 6 | | |
| Superstructure | | | | | | |
| Bridge Component | | | Last | Now | Explanation of Condition | |
| (Primary Span : PM, 3 Spans, Lengths(m): 10.7-15.2-13.7, 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 | | | 5.0 | | | |
| Wearing Surface | | | 5 | 5 | SF concrete overlay with chip seal. 2% of chipseal missing. | |
| (Material Type : CONCRETE) | | | | | | |
| (Thickness(mm) : 50) | | | | | | |
| Lateral Connection Problem (Y/N) | | No | | | | |
| Deck Top | | | N | N | | |
| Deck Rideability | | | 8 | 8 | | |
| Deck Joints | | | 7 | 7 | | |
| Temperature (deg. C) | | 5 | | | | |
| (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) | | | | | | |
| (Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) | | | | | | |
| Gap Size (mm) | | Gap Location | | | | |
| 69 | | S. abut | | | | |
| 81 | | S. pier | | | | |
| 85 | | N. pier | | | | |
| 80 | | N. abut | | | | |
| | | | | | | |
| Deck Drainage | | | 8 | 8 | No deck drains. Very good grade. | |
| Drains Clogged (Y/N) | | No | | | | |
| Curbs/Median | | | 7 | 7 | | |
| (Curb Type : Standard) | | | | | | |
| Scaling (Percent Area) | | 2 | | | | |
| Bridge Rail | | | 7 | 7 | With retrofit bridge tube . | |
| (Type : GALVANIZED STEEL VERTICAL BAR) | | | | | | |
| Bridge Rail Posts | | | 7 | 7 | | |
| (Type : GALVANIZED POST STEEL) | | | | | | |
| Bridge Rail/Posts Coating | | | 7 | 7 | | |
| (Type : GALVANIZED) | | | | | | |
| Sidewalk | | | X | X | | |
| Girder Detail Ratings | | | | | | |
| | | | N (count) | 1 (count) | 2 (count) | 3 (count) |
| Last | | | | | | |
| Now | | | | | | |

| Superstructure | | | | |
|--|-----|----------|----------|---|
| Bridge Component | | Last | Now | Explanation of Condition |
| (Primary Span : PM, 3 Spans, Lengths(m): 10.7-15.2-13.7, A-Ident Number:) | | | | |
| Girders | | 5 | 5 | 3 girders in center span have rust spots, likely from waste wires in forms during casting. G13 SP1 hairline cracking outside edge. |
| Cracking (Y/N) | Yes | | | |
| Spalling (Percent Area) | 0 | | | |
| (Number Of Girders : 39) | | | | |
| Diaphragms/Cross Frame | | X | X | |
| Bearings | | 7 | 7 | |
| Temperature (deg. C) | 5 | | | |
| (Expansion Type : NEOPRENE STRIP BEARING) | | | | |
| (Fixed Type : NEOPRENE STRIP BEARING) | | | | |
| Coating Adequate (Y/N) | Yes | | | |
| Functioning (Y/N) | Yes | | | |
| Deck Underside | | 6 | 6 | Spot rusting on S2G4 underside over South pier. |
| Stains (Percent Area) | 2 | | | |
| Span Alignment Problems | | | | |
| Vertical (Y/N) | No | | | |
| Horizontal (Y/N) | No | | | |
| Superstructure General Rating | | 5 | 5 | |
| Substructure | | | | |
| Bridge Component | | Last | Now | Explanation of Condition |
| Abutments | | | | |
| Bearing Seats/Caps | | 6 | 6 | |
| (Type : CONCRETE) | | | | |
| Backwalls/Breastwalls | | X | X | |
| Wingwalls | | 7 | 7 | |
| Piles | | N | N | |
| Paint/Coating | | 5 | 5 | |
| Abutment Stability | | 7 | 7 | |
| Scour/Erosion | | X | X | |
| Piers/Bents | | | | |
| (Type : PIER-COLUMN) | | | | |
| Bearing Seats/Caps | | 4 | 4 | Delam cracks under P1G3, P1G13. |
| (Type : CONCRETE) | | | | |
| (Total Number of Bearing Piles : 6:6) | | | | |
| Pier Shaft/Piles | | 7 | 7 | |
| Bracing/Struts/Sheathing | | X | X | |
| Nose Plate | | X | X | |
| Paint/Coating | | 4 | 4 | paint is flaking at base of per piles. |
| (Colour Description : BLUE) | | | | |
| (Colour Code : 15182) | | | | |
| Pier Stability | | 7 | 7 | |
| Scour | | X | X | |

| Substructure | | | | |
|--|------|----------|----------|---|
| Bridge Component | | Last | Now | Explanation of Condition |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | 4 | 4 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Grade Separation | | | | |
| Road Alignment | | 7 | 7 | Railway tracks. |
| Traffic Safety Features | | X | X | |
| Type | None | | | |
| Slope Protection | | 5 | 5 | |
| (Type : CONCRETE; CONCRETE) | | | | |
| Bank Stability | | 6 | 6 | |
| Drainage | | 5 | 5 | 50mm water ponded at base of N headslope. |
| Grade Separation General Rating | | 5 | 5 | |

| 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) (%) | 50.0/50.0 | Sufficiency Rating (Last/Now) (%) | 56.6/56.4 | 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 | Eric Carcoux | | Previous Assistant's Name | | | | |
| Next Inspection Date | 28-Dec-2014 | | Previous Inspection Date | 13-Jul-2011 | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | |
| Comment | | | | | | | |