

| Bridge Inspection | | | | | | | | | | |
|------------------------|---------------------------------|--------|--|--|------|---------------------|---------------|-------|--------|---|
| Bridge File Number | 85047 WS2-10 Bridge | | | | | Form Type | PSR | | | |
| Year Built/Year Supstr | 2011/2011 | | | | | Lot No. | 2 | | | |
| Bridge or Town Name | ANTY HDY/YHT | | | | | Inspector Name | Randy Bredo | | | |
| Located Over | 216:08 R1 0.275;216:08 L1 0.284 | | | | | Inspector Class | BR CLS A | | | |
| Located On | RAMP 4098-3 B | | | | | Assistant Name | | | | |
| Water Body Cl./Year | | | | | | Assistant Class | | | | |
| Navigabil. Cl./Year | | | | | | Inspection Date | 21-Apr-2012 | | | |
| Legal Land Location | SW SEC 17 TWP 53 RGE 25 W4M | | | | | Data Entry By | Jill Potts | | | |
| Longitude, Latitude | -113:39:39, 53:34:34 | | | | | Data Entry Date | 03-May-2012 | | | |
| Road Authority | Alberta Transportation (AIT) | | | | | Reviewer Name | Dave Lam | | | |
| Contract Main. Area | ANTHONY HENDAY DRIVE | | | | | Review Date | 28-Apr-2012 | | | |
| Clear Roadway/Skew | 13.9 / | | | | | Dept. Reviewer Name | Brent Herrick | | | |
| AADT/Year | | | | | | Dept. Review Date | 12-Jun-2012 | | | |
| Road Classification | | | | | | Follow-Up By | | | | |
| Detour Length (km) | 1 | | | | | | | | | |
| Allowable Load (t): | Single | CS1 28 | | | Semi | CS2 49 | | Train | CS3 62 | ----> On Critical Spans ---->Critical Member |
| Design Loading: | CL800 | | | | | ----> Primary Span | | | | |

| Posting Information | | | | | | | | | | | | |
|--------------------------------------|----------------------------|---------------|-------------------|-----|------------------|------------------|------|----|-----------------|-----|------------------|----|
| Required Vert. Clearance Posting (m) | | | | | | | | | | | | |
| Posted Vertical Clearance (Y/N) Yes | | | | | | | | | | | | |
| Posted: | Lane | NB | On Bridge (m) | 9.9 | In Advance (Y/N) | No | Lane | SB | On Bridge (m) | 9.0 | In Advance (Y/N) | No |
| Remarks | Advance VC signs required. | | | | | | | | | | | |
| Required Load Posting (t) | | | Single | | | Semi | | | Truck Train | | | |
| Posted Loading (t) | | | Single | | | Semi | | | Truck Train | | | |
| Posted: | Lane | SB | At Junction (Y/N) | No | | In Advance (Y/N) | No | | At Bridge (Y/N) | No | | |
| Posted: | Lane | NB | At Junction (Y/N) | | | In Advance (Y/N) | | | At Bridge (Y/N) | | | |
| Remarks | Not required. | | | | | | | | | | | |
| Hazard Marker At Bridge (Y/N) | | No | | | | | | | | | | |
| Remarks | | Not required. | | | | | | | | | | |
| Other Sign Types | | | | | | | | | | | | |

| Utilities (Located at) | | | | | | | | | | | | |
|------------------------|------------------|--|--|--|--|---------------|----|--|--|--|--|--|
| Utility Attachments | | | | | | | | | | | | |
| Telephone | | | | | | Gas | | | | | | |
| Power | | | | | | Municipal | | | | | | |
| Others | Light standards. | | | | | Problem (Y/N) | No | | | | | |
| Remarks | | | | | | | | | | | | |

| Approach Road | | | | |
|-------------------------------------|-------------|------|----------|---|
| | | Last | Now | Explanation of Condition |
| Horizontal Alignment | | | 7 | SW transition section has 10mm gaps and SE similar. |
| Vertical Alignment | | | 7 | |
| Roadway Width (m) | 14.000 | | | |
| Approach Bump | | | 7 | |
| Guardrail (Y/N) | Yes | | | |
| Guardrail | | | 4 | |
| Length (m) | 18.000 | | | |
| Current Standard (Y/N) | Yes | | | |
| Termination Type | Attenuation | | | |
| Drainage | | | 4 | Final grading required all 4 corners. |
| Approach Road General Rating | | | 7 | |

| Superstructure | | | | |
|---|------------------------|-----------|-----------|--|
| Bridge Component | | Last | Now | Explanation of Condition |
| (Primary Span : NU, 3 Spans, Lengths(m): 45.354-37.075-42.221, 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 | | | | |
| Wearing Surface | | | 8 | H2 with waterproofing system. Hole jackhammered to expose conduit. |
| (Material Type : ACP) | | | | |
| (Thickness(mm) : 80) | | | | |
| Lateral Connection Problem (Y/N) | No | | | |
| Deck Top | | | N | |
| Deck Rideability | | | 8 | |
| Deck Joints | | | 8 | Integral at piers. |
| Temperature (deg. C) | 5 | | | |
| (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) | | | | |
| (Fixed Type :) | | | | |
| Gap Size (mm) | Gap Location | | | |
| 88 | A1 - gland wabo - exp. | | | |
| 97 | A2 - gland wabo - exp. | | | |
| | | | | |
| Deck Drainage | | | 7 | Superelevated. No drains. |
| Drains Clogged (Y/N) | No | | | |
| Curbs/Median | | | 4 | SE caulking failed. Plow scrapes South curb. |
| (Curb Type : SINGLE SLOPE CONCRETE BARRIER) | | | | |
| Scaling (Percent Area) | 0 | | | |
| Bridge Rail | | | 3 | 2% of sleeve bolts loose. |
| (Type : GALVANIZED STEEL BRIDGE TUBE) | | | | |
| Bridge Rail Posts | | | 7 | |
| (Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL) | | | | |
| Bridge Rail/Posts Coating | | | 8 | |
| (Type : GALVANIZED) | | | | |
| Sidewalk | | | X | |
| Girder Detail Ratings | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) |
| Last | | | | |
| Now | | | | |
| Girders | | | 9 | 3 spans, continuous girders. |
| Cracking (Y/N) | No | | | |
| Spalling (Percent Area) | 0 | | | |
| (Number Of Girders : 5) | | | | |

| Superstructure | | | | |
|---|----|------|----------|--|
| Bridge Component | | Last | Now | Explanation of Condition |
| (Primary Span : NU, 3 Spans, Lengths(m): 45.354-37.075-42.221, A-Ident Number:) | | | | |
| Diaphragms/Cross Frame | | | 9 | |
| Bearings | | | N | Too high to see. Integral at piers. |
| Temperature (deg. C) | 5 | | | |
| (Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL) | | | | |
| (Fixed Type :) | | | | |
| Coating Adequate (Y/N) | No | | | |
| Functioning (Y/N) | No | | | |
| Deck Underside | | | 8 | |
| Stains (Percent Area) | 0 | | | |
| Span Alignment Problems | | | | |
| Vertical (Y/N) | No | | | |
| Horizontal (Y/N) | No | | | |
| Superstructure General Rating | | | 8 | |
| Substructure | | | | |
| Bridge Component | | Last | Now | Explanation of Condition |
| Abutments | | | | |
| Bearing Seats/Caps | | | 7 | Still working on removing bulges and finishing coatings. |
| (Type : CONCRETE) | | | | |
| Backwalls/Breastwalls | | | 7 | |
| Wingwalls | | | 5 | Under repair. |
| Piles | | | N | |
| Paint/Coating | | | 4 | Can see edge of coating - not low enough. Rubberized coating at abutment fascias is rough. |
| Abutment Stability | | | 7 | |
| Scour/Erosion | | | X | |
| Piers/Bents | | | | |
| (Type : PIER-COLUMN) | | | | 2 columns/pier. |
| Bearing Seats/Caps | | | 9 | |
| (Type : CONCRETE) | | | | |
| (Total Number of Bearing Piles : 30:30) | | | | Buried. |
| Pier Shaft/Piles | | | 9 | |
| Bracing/Struts/Sheathing | | | X | |
| Nose Plate | | | X | |
| Paint/Coating | | | 8 | Tan. |
| (Colour Description :) | | | | |
| (Colour Code :) | | | | |
| Pier Stability | | | 9 | |
| Scour | | | X | |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | | 7 | |

| Structure Usage | | | | |
|--|--|------|----------|--------------------------|
| | | Last | Now | Explanation of Condition |
| Grade Separation | | | | |
| Road Alignment | | | 7 | |
| Traffic Safety Features | | | X | |
| Type | | | | |
| Slope Protection | | | 7 | |
| (Type : CONCRETE; CONCRETE) | | | | |
| Bank Stability | | | 9 | |
| Drainage | | | 8 | |
| Grade Separation General Rating | | | 7 | |

| Maintenance Recommendations | | | | | | | |
|---|--------------|---|---------------------------|---------------|-----------|-------------------|-----|
| Inspector Recommendations | Year | Inspector Comments | Department Comments | Target Year | Est. Cost | Cat # | |
| REPAIR/REPLACE BRIDGE RAIL | 2012 | Torque loose rail bolts. | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | |
| SEAL CURBS | | | | | | | |
| PATCH DECK | 2012 | 1 jackhammered area still requires repair. | | | | | |
| SEAL DECK | | | | | | | |
| OVERLAY DECK | | | | | | | |
| REPAIR/REPLACE DECK JOINTS | 2012 | Curb coverplate bolts were left proud. | | | | | |
| RESET/ PAINT BEARINGS | | | | | | | |
| WASHING | | | | | | | |
| SHOTCRETE REPAIRS | | | | | | | |
| REPAIR ABUTMENT SCOUR/EROSION | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | |
| OTHER ACTION | 2012 | Finish work on wingwalls and coatings on abutments and piers. | | | | | |
| OTHER ACTION | 2012 | Repair caulking SE. | | | | | |
| OTHER ACTION | 2012 | Shim gaps at rail transition sections with washers. | | | | | |
| OTHER ACTION | 2012 | Bridge plaques may need cleaned. | | | | | |
| OTHER ACTION | 2012 | Install advance vertical clearance signs. | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | /83.3 | Sufficiency Rating (Last/Now) (%) | /73.9 | Est. Repl. Yr | 2087 | 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 | | | Previous Assistant's Name | | | | |
| Next Inspection Date | 21-Jan-2014 | | Previous Inspection Date | | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | |
| Comment | | | | | | | |