

| Bridge Inspection | | | | | | | | | | | |
|------------------------|--|--------|--|--|---------------------|----------------|--|--|-------|--------------------|---|
| Bridge File Number | 75817 -2 Bridge | | | | Form Type | PCS | | | | | |
| Year Built/Year Supstr | 1963/1963 | | | | Lot No. | 2 | | | | | |
| Bridge or Town Name | LESLIEVILLE | | | | Inspector Name | Owen Salava | | | | | |
| Located Over | LOBSTICK CREEK, 3.88.12.4, WATERCRS-ST | | | | Inspector Class | BR CLS A | | | | | |
| Located On | 761:04 C1 6.569 | | | | Assistant Name | | | | | | |
| Water Body Cl./Year | | | | | Assistant Class | | | | | | |
| Navigabil. Cl./Year | | | | | Inspection Date | 31-Jan-2012 | | | | | |
| Legal Land Location | SW SEC 25 TWP 39 RGE 5 W5M | | | | Data Entry By | Marcia Chavez | | | | | |
| Longitude, Latitude | -114:36:05, 52:22:42 | | | | Data Entry Date | 06-Mar-2012 | | | | | |
| Road Authority | Alberta Transportation (AIT) | | | | Reviewer Name | John O'Brien | | | | | |
| Contract Main. Area | CMA18 | | | | Review Date | 22-Feb-2012 | | | | | |
| Clear Roadway/Skew | 9.2 / 0 deg. | | | | Dept. Reviewer Name | Andrew Smikles | | | | | |
| AADT/Year | 1,000 / 2010 (A) | | | | Dept. Review Date | 09-Mar-2012 | | | | | |
| Road Classification | RCU-208-110 | | | | Follow-Up By | | | | | | |
| Detour Length (km) | 3 | | | | | | | | | | |
| 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 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 | School Zone to North, Max 50, Max 30. | | | | | | | | |

| Utilities (Located at) | | | | | | | | | | |
|------------------------|--------------------------------|--|--|--|---------------|----|--|--|--|--|
| Utility Attachments | | | | | | | | | | |
| Telephone | West r/w & crossing South end. | | | | Gas | | | | | |
| Power | 3 wires crossing South end. | | | | Municipal | | | | | |
| Others | | | | | Problem (Y/N) | No | | | | |
| Remarks | | | | | | | | | | |

| Approach Road | | | | | | | | | |
|-------------------------------------|--|----------|----------|----------|---|--|--|--|--|
| | | | Last | Now | Explanation of Condition | | | | |
| Horizontal Alignment | | | 8 | 8 | Junction to Hwy 598 & town of Leslieville 250m North. In sag, crest curve both directions with limited sight distance. South approach settled slightly - bump marker @ SE corner. | | | | |
| Vertical Alignment | | | 6 | 6 | | | | | |
| Roadway Width (m) | | 7.500 | | | | | | | |
| Approach Bump | | | 5 | 5 | | | | | |
| Guardrail (Y/N) | | Yes | | | | | | | |
| Guardrail | | | 7 | 7 | | | | | |
| Length (m) | | 47.500 | | | | | | | |
| Current Standard (Y/N) | | Yes | | | | | | | |
| Termination Type | | Turndown | | | | | | | |
| Drainage | | | 7 | 7 | | | | | |
| Approach Road General Rating | | | 6 | 6 | | | | | |

| Superstructure | | | | | |
|---|-----------|-------------|-----------|--------------------------|---|
| Bridge Component | | Last | Now | Explanation of Condition | |
| (Primary Span : SC, 3 Spans, Lengths(m): 8.5-11.6-8.5, A-Ident Number:) | | | | | |
| Special Features | | | | | |
| Special Feature | | | X | | |
| (Type :) | | | | | |
| Special Feature | | | X | | |
| (Type :) | | | | | |
| Wearing Surface/Deck Top Detail Ratings | | | | | |
| | N (%) | 1 (%) | 2 (%) | 3 (%) | Snow at curbs. |
| Last | 0 | 0 | 0 | 0 | |
| Now | 10.0 | 0.0 | 0.0 | 0.0 | |
| Wearing Surface | | | 7 | 7 | |
| (Material Type : ACP) | | | | | |
| (Thickness(mm) : 50) | | | | | |
| Lateral Connection Problem (Y/N) | | No | | | |
| Deck Top | | | N | N | |
| Deck Rideability | | | 7 | 7 | |
| Deck Joints | | | N | N | Buffer angles paved over. |
| Bump (Y/N) | | No | | | |
| Deck Drainage | | | 7 | 7 | No deck drains. |
| Drains Clogged (Y/N) | | | | | |
| Curbs/Median | | | 7 | N | Snow covered. |
| (Curb Type : Standard) | | | | | |
| Scaling (Percent Area) | | 0 | | | |
| Bridge Rail | | | 8 | 8 | Double tube. HP |
| (Type : GALVANIZED STEEL BRIDGE TUBE) | | | | | |
| Bridge Rail Posts | | | 8 | 8 | |
| (Type : POST STEEL;POST STEEL) | | | | | |
| Bridge Rail/Posts Coating | | | 8 | 8 | |
| (Type : GALVANIZED) | | | | | |
| 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 | Unknown - covered by ACP wearing surface. |
| Last Complete Inspection Date | | 31-Jan-2012 | | | |
| Cracking (Y/N) | | No | | | |
| Spalling (Percent Area) | | 0 | | | |
| Lift or Connector Pocket Grouted (Y/N) | | | | | |
| (Number Of Girders : 27) | | | | | |
| Span Alignment Problems | | | | | |
| Vertical (Y/N) | | No | | | |
| Horizontal (Y/N) | | No | | | |
| Superstructure General Rating | | | 8 | 8 | |

| Substructure | | | | | | |
|--|-----------|-----------|-----------|--------------------------------|--|-----------|
| Bridge Component | | Last | Now | Explanation of Condition | | |
| Abutments | | | | | | |
| (Extended Backwall Piles (Y/N) : Y) | | | | Timber. | | |
| (Extended Backwall Piles Spacing(mm) : 2000) | | | | | | |
| (Total Number of Caps/Corbels : 1:1) | | | | | | |
| 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 | | | 8 | | | 8 |
| (Type : STEEL) | | | | | | |
| (Depth(mm) : 310) | | | | | | |
| (Width(mm) : 310) | | | | | | |
| Backwalls/Breastwalls | | | 7 | 7 | | |
| Greatest Height (m) | | 1.20 | | | | |
| Wingwalls | | | X | X | | |
| (Total Number of Bearing Piles : 6:6) | | | | | | |
| Piles Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | Weld btwn cap/pile beginning to rust; poor metalizing. | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0 | 0 | 0 | 0 | | |
| Piles | | | 8 | 8 | | |
| Paint/Coating | | | 5 | 5 | | |
| Abutment Stability | | | 7 | 7 | | |
| Scour/Erosion | | | 7 | 7 | | |
| Piers/Bents | | | | | | |
| (Type : PIER-COLUMN) | | | | Reused piers from last bridge. | | |
| (Total Number of Caps/Corbels : 1:1) | | | | | | |
| 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 | | | 5 | | | 5 |
| (Type : CONCRETE) | | | | | | |
| (Depth(mm) :) | | | | | | |
| (Width(mm) :) | | | | | | |
| (Total Number of Bearing Piles : 8:8) | | | | | | |
| Piles Detail Ratings | | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (count) | 8 / pier - last 2 on each end battered. 260mm dia pipe piles. | |
| Last | 0 | 0 | 0 | 0 | | |
| Now | 0 | 0 | 0 | 0 | | |
| Pier Shaft/Piles | | | 7 | 7 | | |
| Greatest Height (m) | | 5.80 | | | | |
| Bracing/Struts/Sheathing | | | X | X | | |
| Nose Plate | | | X | X | | |
| Paint/Coating | | | 4 | 4 | | |
| (Colour Description :) | | | | | | |
| (Colour Code :) | | | | | | |
| Pier pile paint peeling. | | | | | | |

| Substructure | | | | |
|--|----|----------|----------|--------------------------|
| Bridge Component | | Last | Now | Explanation of Condition |
| Pier Stability | | 7 | 7 | |
| Scour | | 6 | 6 | |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | 5 | 5 | |
| Structure Usage | | | | |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction : W) | | | | |
| (D/S Direction : E) | | | | |
| Alignment | | 7 | 7 | |
| Bank Stability | | 6 | 6 | |
| HWM (m below Top of Curb) | | | | HWM not visible. |
| Drift (Y/N) | No | | | |
| Slope Protection | | 7 | 7 | |
| (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 | | 7 | 7 | |

| 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 | 2012 | Clean & re-metalize weld btwn cap/pile (abuts), or paitn with zinc rich paint. | | | | | |
| OTHER ACTION | 2012 | Paint pier piles. | | | | | |
| OTHER ACTION | 2012 | Seal pier caps (top & bottom) and clean. | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 72.2/72.2 | Sufficiency Rating (Last/Now) (%) | 83.0/73.1 | Est. Repl. Yr | 2050 | 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 | Dave Lam | | Previous Assistant's Name | | | | |
| Next Inspection Date | 30-Apr-2015 | | Previous Inspection Date | 14-Sep-2005 | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | |
| Comment | | | | | | | |