| | | | | | | Br | ridge Ir | nspecti | on | | | | | | |
|----------------------------|---------------------------|--------------|----------------------|-----------|-----------|----------|--------------|-------------------|---------|---------|-----------------|-----------------|-----------------|-------------|---------------------|
| Bridge File Num | ber | 75220 -1 | Bridge | | | | | Form ⁻ | Туре | | | PCS | | | |
| Year Built/Year | | 1971/197 | '1 | | | | | Lot No |). | | | 1 | | | |
| Supstr | | OLUBAA. | | | | | | Inspec | ctor N | ame | | Owen Salav | 'a | | |
| Bridge or Town | Name | | | -14 0 40 | 4 \4/4 == | -00 | | Inspec | ctor C | lass | | BR CLS A | | | |
| Located Over | | WHITFO ST | RD CREI | :K, 6.48 | .4, WATE | =RC | RS- | Assista | ant N | ame | | | | | |
| Located On | | 29:02 C1 | 22.526 | | | | | Assista | ant C | lass | | | | | |
| Water Body Cl./ | Year | | | | | | | Inspec | | | | 08-Nov-201 | | | |
| Navigabil. Cl./Ye | ear | | | | | | | Data E | | | | Marcia Chav | | | |
| Legal Land Loca | ation | SE SEC | 29 TWP : | 55 RGE | 17 W4M | | | Data E | | | | 21-Nov-201 | | | |
| Longitude, Latitu | ıde | -112:29:1 | 8, 53:46: | 26 | | | | Revie | | | | John O'Brie | | | |
| Road Authority | | Alberta T | ransporta | ation (Al | Γ) | | | Revie | | | | 15-Nov-201 | | | |
| Contract Main. A | Area | CMA14 | | | | | | Dept. | | | | Andrew Smi | | | |
| Clear Roadway/ | Skew | 11 / | | | | | | Dept. | | | е | 26-Nov-201 | 2 | | |
| AADT/Year 1,000 / 2011 (A) | | | | | | | | Follow | /-Up [| Зу | | | | | |
| Road Classificat | | | | | | | | | | | | | | | |
| Detour Length (I | km) | 5 | | | | | | | | | | | | | |
| Allowable Load | (t): Sin | igle CS1 | | | Semi | | 2 49 RDER | | | Train | | 3 65 RDER | | > On Critic | cal Spans Jember |
| Design Loading: | | HS2 | | | 1 | <u> </u> | (DLIX | | | | | NO EIX | | > Primary | |
| | | | | | | Pos | sting Ir | nformat | tion | | | | | | |
| Required Load F | Posting | (t) | | Single | | | | Se | emi | | | | Truc | k Train | |
| Posted Loading | Posted Loading (t) Single | | | | | | Se | Semi | | | Truck Train | | | | |
| Posted: | Lane | EB | At Junction (Y/N) No | | | No | In | In Advance (Y/N) | | No | At Bridge (Y/N) | | No | | |
| Posted: | Lane | WB | | At Junc | tion (Y/N | 1 (1 | No | In | Adva | ance (Y | //N) | No | At Bridge (Y/N) | | No |
| Remarks Not required. | | | | | | | | | | | | | | | |
| Hazard Marker | At Brid | ge (Y/N) | Yes | | | | | | | | | | | | |
| Remarks | | | Off line | & not to | standard | l hei | ght, va | ries. | | | | | | | |
| Other Sign Type | es | | Narrow | Bridge. | | | | | | | | | | | |
| | | | | | | | lities (L | Located | at) | | | | | | |
| Utility Attachme | nts T | ELEPHON | NE UTILIT | TIES-PH | ONE LIN | 1E | | | | | | | | | |
| Telephone | | | | | | | | Gas | | | | | | | |
| Power | 2 wire | s 20m No | rth. | | | | | Munici | • | | | | | | |
| Others | | | | | | | | Proble | em (Y | /N) N | 10 | | | | |
| Remarks | | | | | | | | | | | | | | | |
| | | | | | 1.0 | | T | ch Roa | | n of C | o n di | tion | | | |
| Horizontal Aligni | ment | | | | | 8 8 | Now 8 | Explai | iiatio | ii oi C | onal | uon | | | |
| Vertical Alignme | | | | | | 7 | 7 | In sag | , hills | E & W | /, lim | ited sight dist | ance. | | |
| Roadway Width | | | 10.000 | | | • | | Wide | ACP | crack s | at ead | ch abut. | | | |
| Approach Bump | | | 10.000 | | | 7 | 7 | - vvide / | | ordon c | ii Gal | on abat. | | | |
| Guardrail (Y/N) | | | Yes | | | • | | Some | TT h | locks r | otate | -d. | | | |
| Guardrail | | | . 50 | | | 6 | 3 | SE 1 b | | | | | | | |
| Length (m) | | | 15.600 | | | | | | | | | | | | |
| Current Stand | ard (Y/ | N) | No | | | | | Too sh | nort, r | not enc | ough | posts. | | | |
| Termination Ty | | ., | Turn Do | wn | | | | ואטנ נחו | ne be | alli. | | | | | |
| Drainage | ,,,, | | 30 | | | 7 | 7 | | | | | | | | |
| Approach Road | l Gene | ral Rating | n | | | 7 | 7 | | | | | | | | |
| Approach Noat | . 06116 | . ar itatili | 9 | | | • | | | | | | | | | |

| | | | | | | Supers | structure |
|--|-------------------------|-----------|---------|---|--|--------|--|
| Bridge Comp | onent | | | | | Now | Explanation of Condition |
| | n : HC, 1 Spar | ns. Lenat | ths(n | n): 6.1. A-Ide | | | |
| Special Feat | | <u> </u> | | , | | , | |
| Special Featu | | | | | | X | |
| (Type:) | | | | | | | |
| Special Featu | ıre | | | | | Х | - |
| (Type:) | | | | | | | |
| | ace/Deck Top | Detail Ra | tings | | | | |
| wearing earl | N (%) | 1 (%) | atirigo | 2 (%) | 3 (%) | | |
| Last | 0 | 0 | | 0 | | 0 | |
| Now | 30.0 | 0.0 | | 0.0 | | 0.0 | Snow |
| Wearing Surf | | 0.0 | | 0.0 | 7 | 7 | |
| | /pe : MIX TYP I | E 1 ACD | ` | | 1 | | |
| (Thickness) | • | L I AGE) | , | | | | _ |
| | ection Problem | n No | | | | | _ |
| (Y/N) | ection Problem | I | , | | | | |
| Deck Top | | | | | N | N | Paved over. |
| | | | | | | | |
| Deck Rideabi | lity | | | | 7 | 7 | |
| Deck Joints | | | | | N | N | (1 buffer angle missing at centerline on east end.) Not visible, paved |
| Bump (Y/N) | | No |) | | | | over. Wide ACP crack at abutments. |
| Deck Drainag | je | | | | 7 | 7 | |
| Drains Clog | Drains Clogged (Y/N) No | | | | | | |
| Curbs/Median | | | 7 | 7 | Partially snow/ice covered. | | |
| (Curb Type : Standard) | | | | | | | |
| Scaling (Percent Area) 0 | | | | | | | |
| Bridge Rail | | | 3 | 3 | Single layer with insufficient splice bolt @ leading edge - photo. | | |
| (Type : GALVANIZED STEEL FLEX BEAM) | | | 1 | Typical both sides (16). | | | |
| Bridge Rail Posts | | | 6 | 6 | | | |
| (Type: GALVANIZED POST STEEL;GALVANIZED STEEL) | | | POST | | | | |
| Bridge Rail/Posts Coating | | | 5 | 5 | Posts with superficial corrosion. | | |
| - | | | 3 | <u> </u> | | | |
| (Type : GALVANIZED) Sidewalk | | | X | X | | | |
| Sidewalk | | | | | ^ | _ ^ | |
| Girder Detail | Ratings | | | | | | |
| | N (count) | 1 (count |) | 2 (count) | 3 (cou | ınt) | |
| Last | 0 | 0 | | 0 | | 0 | |
| Now | 0 | 0 | | 0 | | 0 | |
| Girders | | | | | 4 | 4 | |
| Last Complet | e Inspection D | ate 08 | -Nov- | 2012 | | | |
| Cracking (Y | ′/N) | Ye | s | | | | 4 of 13 with wide longit. cracking in AZ both legs, cracking in other |
| Spalling (Pe | ercent Area) | 0 | | | | | leg; confirmed sound concrete. Isolated connector pocket stains. |
| Lift or Connec | ctor Pocket | Ye | s | | | | The state of the s |
| (Number Of C | | | | | | | |
| | ent Problems | 3 | | | | | |
| Vertical (Y/I | | No |) | | | | |
| Horizontal (| · | No | | | | | |
| | ure General R | | | | 4 | 4 | |
| | | | | | | | |

75220 -1 Bridge

| | | | | | Subs | tructure |
|---|--|---------------------------------------|--------------------|----------|------|---|
| Bridge Com | ponent | | | Last | | |
| Abutments | | | | <u> </u> | | |
| (Extended | Backwall Pile | s (Y/N) : Y) | | | | Bearing piles are tied to backwals with backwall clamps & scabs. |
| (Extended | Backwall Pile | s Spacing(mn | n) : 1200) | | | |
| | er of Caps/Co | | ., | | | Cap is H-pile with capitals. Stiffeners |
| | its/Caps/Corbe | · · · · · · · · · · · · · · · · · · · | nas | | | not centered over pile. |
| | N (count) | 1 (count) | 2 (count) | 3 (cou | ınt) | |
| Last | 0 | 0 | 0 | | 0 | |
| Now | 0 | 0 | 0 | | 0 | |
| | its/Caps/Corbe | | | 5 | 5 | _ |
| (Type : ST | · | 513 | | | | |
| (Depth(mm | | | | | | |
| | • | | | | | |
| (Width(mm | · · · · · · | | | 7 | 7 | |
| Backwalls/Bi | | 0.00 | | 7 | 7 | - |
| Greatest H | neignt (m) | 2.60 | | | | CM/ win awall dome and list at |
| Wingwalls | | | | 3 | 3 | SW wingwall damaged - photo. 1 pile fallen down, another pile leaning. 3 planks broken (photo). Trees growing btwn planks at NE. |
| (Total Numb | er of Bearing | Piles : 12:12) | | | | |
| Piles Detail F | Ratings | | | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (cou | ınt) | |
| Last | 0 | 0 | 0 | | 1 | |
| Now | 0 | 0 | 0 | | 1 | |
| Piles | | | | 3 | 3 | A1P3,4 & A2P4 split - photo; worst @ A1P4 - photos. A1P4 - R=3 > Reduced section & load bearing capacity. A2P3,4 - R=4. Old piles remaining beside new piles at EP1 & WP1. |
| Paint/Coating | ıg | | | Х | 4 | Scaling rust both caps - no action. |
| Abutment St | tability | | | 6 | 6 | |
| Scour/Erosic | on | | | 7 | 7 | |
| Piers/Bents | · | | | | | |
| (Type :) | | | | | | |
| | er of Caps/Co | orbels :) | | | | |
| · | its/Caps/Corbe | · | ngs | | | |
| | N (count) | 1 (count) | 2 (count) | 3 (cou | ınt) | |
| Last | | | , , | | , | |
| Now | | | | | | |
| | nts/Caps/Corbe | els | | Х | Х | |
| Bearing Sea | | | | | | |
| | , • apo, • • | | | | | |
| (Type:) | · | | | | | |
| (Type:) (Depth(mm | n) :) | | | | | |
| (Type :) (Depth(mm (Width(mm | n) :) n) :) | Piles :) | | | | |
| (Type :) (Depth(mm (Width(mm (Total Numb | n) :) n) :) per of Bearing | Piles :) | | | | |
| (Type :) (Depth(mm (Width(mm (Total Numb | n) :) n) :) per of Bearing Ratings | | 2 (count) | 3 (cou | ınt) | |
| (Type:) (Depth(mm (Width(mm (Total Numb Piles Detail F | n) :) n) :) per of Bearing | Piles :) | 2 (count) | 3 (cou | ınt) | |
| (Type:) (Depth(mm (Width(mm (Total Numb Piles Detail F | n) :) n) :) per of Bearing Ratings | | 2 (count) | 3 (cou | ınt) | |
| (Type:) (Depth(mm (Width(mm (Total Numb Piles Detail F | n):) n):) per of Bearing Ratings N (count) | | 2 (count) | | | (Max deck to S/B 3.2m) |
| (Type:) (Depth(mm (Width(mm (Total Numb Piles Detail F Last Now Pier Shaft/Pi | n):) oer of Bearing Ratings N (count) | 1 (count) | 2 (count) | 3 (cou | int) | (Max deck to S/B 3.2m) |
| (Type:) (Depth(mm (Width(mm (Total Numb Piles Detail F Last Now Pier Shaft/Pi Greatest H | n):) ner of Bearing Ratings N (count) illes Height (m) | | 2 (count) | X | X | (Max deck to S/B 3.2m) |
| (Type:) (Depth(mm (Width(mm (Total Numb Piles Detail F Last Now Pier Shaft/Pi | n):) ner of Bearing Ratings N (count) illes Height (m) | 1 (count) | 2 (count) | | | (Max deck to S/B 3.2m) |

| | | | Subst | ructure |
|------------------------------|---------|------|---------|--|
| Bridge Component | | Last | Now | Explanation of Condition |
| Paint/Coating | | X | X | |
| (Colour Description :) | | | | |
| (Colour Code :) | | | | |
| Pier Stability | | X | X | |
| Scour | | Х | Х | |
| Debris (Y/N) | No | | | |
| Substructure General Rating | | 3 | 3 | |
| | | 5 | Structu | re Usage |
| | | Last | Now | Explanation of Condition |
| Channel | | | | |
| (U/S Direction : N) | | | | North side stream hits bridge at an angle. |
| (D/S Direction : S) | | | | |
| Alignment | | 5 | 5 | |
| Bank Stability | | 7 | 7 | |
| HWM (m below Top of Curb) | | | | HWM not visible. |
| Drift (Y/N) | No | | | |
| Slope Protection | | 6 | 6 | |
| (Type: NATURAL; NATURAL | .) | | | |
| Guidebank/Spurs | | X | X | |
| Adequacy of Opening | | 7 | 7 | |
| (Fish Compensation Measure 1 | : NONE) | | | |
| (Fish Compensation Measure 2 | : NONE) | | | |
| Channel General Rating | | 5 | 5 | |

Alberta Transportation

| Inspector Recommendations | Year | Inspector Comments | Department Comments | ments | ř | Target Year | Est. Cost | Cat # |
|--|----------------------------------|---|------------------------|---------------|------|--------------------|-----------|-------|
| REPAIR/REPLACE BRIDGE RAIL | 2013 | Install 16 splice bolts & upgrade to meet standard. | | | | | | |
| 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 | 2013 | Reinstall hazard markers to meet std. | | | | | | |
| OTHER ACTION | 2013 | Band 3 split piles. | | | | | | |
| OTHER ACTION | 2013 | Replace wing piles & planks at SW corner. | | | | | | |
| OTHER ACTION | 2013 | Replace A1P4 or splice repair pile. | | | | | | |
| OTHER ACTION | 2013 | Upgrade approach guardrail to meet standard. | | | | | | |
| OTHER ACTION | 2013 | Replace 1 post at SE. | | | | | | |
| OTHER ACTION | 2013 | Cut down trees at NE wingwall. | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 38.9/38.9 | Sufficiency Rating (Last/Now) (%) | 57.4/57.4 | Est. Repl. Yr | 2020 | Maint. Reqd. (Y/N) | | Yes |
| Special (Inspect piles at 12mth cy Comments for (Piles cored in 2009, OK. Next Inspection Monitor cracked girder leg | /cle until re 20Oct200 gs. | (Inspect piles at 12mth cycle until repaired/replaced. 14Aug2009). (Piles cored in 2009, OK. 20Oct2009). Monitor cracked girder legs. | Department Comments | | | | | |
| Maintenance Reviewed By | | | Date | | Esti | Estimated Total | 0 | |
| Proposed Long-Term Strategy Bridg | ge should | Bridge should be adequate until 2023. Chip seal if working in the area. CB | ne area. CB | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | |
| Proposed Action Core | substruct | Core substructure in 2009. Pile splice repairs may be required. CB | CB | | | | | |
| | | | | | | | | |

Alberta Transportation

| Previous Inspector's Name | Dave Lam | Previous Assistant's Name | |
|--|-------------|---------------------------|-------------|
| Next Inspection Date | 08-Aug-2014 | Previous Inspection Date | 07-Dec-2010 |
| Inspection Cycle (Default) (months) 21 | 21 | | |
| Comment | | | |

| | | | Maintenance Recomn | | | | | | | |
|--|---|--|---|----|---------------|---------------|------|-------------|------------|-----|
| Inspector Recommendations | Year | · · | r Comments | | Department Co | omments | | Target Year | Est. Cost | Cat |
| REPAIR/REPLACE BRIDGE RAIL | 2013 | Install 16 standard | splice bolts & upgrade to meet . | F | Programmed | | | 2012 | | |
| 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 | 2013 | Reinstall | hazard markers to meet std. | Т | To operations | | | | | |
| OTHER ACTION | 2013 | Band 3 split piles. | | | Programmed | | | 2012 | | |
| OTHER ACTION | · | | Replace wing piles & planks at SW corner. | | Programmed | | | 2012 | | |
| OTHER ACTION | THER ACTION 2013 Replace | | Replace A1P4 or splice repair pile. | | | Programmed | | | | |
| sta | | Upgrade approach guardrail to meet standard. | | Т | To operations | | | | | |
| OTHER ACTION | 2013 | Replace | 1 post at SE. | F | Programmed | | | 2012 | | |
| OTHER ACTION | 2013 | Cut dowr | n trees at NE wingwall. | | To operations | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 38.9/38 | 3.9 | Sufficiency Rating (Last/Now) (%) | 57 | '.4/57.4 | Est. Repl. Yr | 2020 | Maint. Re | eqd. (Y/N) | Yes |
| Special (Inspect piles at 12mth cy Comments for Next Inspection (Piles cored in 2009, OK. Monitor cracked girder le | pecial (Inspect piles at 12mth cycle until repaired/replaced. 14Aug2009). (Piles cored in 2009, OK. 20Oct2009). Department Comments | | | | | | | | | |

| Maintenance Reviewed By | Andrew Smikles | Date | 17-Dec-2012 | Estimated Total | 0 | | | | |
|-------------------------------------|--|--------------------------|---------------|-----------------|---|--|--|--|--|
| Proposed Long-Term Strategy | Bridge should be adequate until 2023. Chip seal if w | orking in the area. CB | | | | | | | |
| | | | | | | | | | |
| On 3-Year Program (Y/N) | Υ | | | | | | | | |
| Proposed Action | Core substructure in 2009. Pile splice repairs may be required. CB | | | | | | | | |
| | | | | | | | | | |
| Previous Inspector's Name | Dave Lam | Previous Assistant's Nan | ne | | | | | | |
| Next Inspection Date | 08-Aug-2014 | Previous Inspection Date | e 07-Dec-2010 | | | | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | | | |
| Comment | | | | | | | | | |
| | | | | | | | | | |