| | | | | | | | R | ridge l | nsne | ection | | | | | | |
|--|----------|-------|---------------------|----------------|-----------|----------|--------------------|---------------|-----------------|--------------------------|--------------|-------------|----------------------|---------|------------------|-------------------|
| Bridge File Numl | ber | 764 | 107 -1 | Bridge | | | | nage | | rm Type | | | PSR | | | |
| Year Built/Year | | | '4/197 ₄ | | | | | | | Lot No. | | | 2 | | | |
| Supstr | | | ., | • | | | | | | Inspector Name | | | Owen Salava | | | |
| Bridge or Town I | Name | BO | WDEN | I | | | | | | Inspector Class | | | BR CLS A | | | |
| Located Over | | CPI | R | | | | | | | Assistant Name | | | DN OLO A | | | |
| Located On | | 587 | ':02 C1 | 1 43.101 | | | | | - | | | | | | | |
| Water Body CI./ | ⁄ear | | | | | | | | | Assistant Class | | | 25 0-4 2014 | | | |
| Navigabil. Cl./Ye | | | | | | | | | | Inspection Date | | | 25-Oct-2011 | | | |
| Legal Land Location NW SEC 23 TWP 34 RGE 1 W5 | | | | | 1 W5N | | | | Data Entry By | | | Marcia Chav | | | | |
| Longitude, Latitude -114:02:24, 51:56:22 | | | | | | • | | | Data Entry Date | | | 30-Nov-2011 | | | | |
| Road Authority Alberta Transportation (AIT) | | | | T) | | | | Reviewer Name | | | John O'Brier | | | | | |
| Contract Main. Area CMA19 | | | | <u>'</u> | | | | Review Date | | | 14-Nov-2011 | | | | | |
| | | | | | | | | pt. Revie | wer N | lame | Andrew Smil | kles | | | | |
| Clear Roadway/Skew 9.1 / 21 deg. (RHF) | | | | | | | | pt. Revie | w Dat | :e | 02-Dec-2011 | | | | | |
| AADT/Year 1,230 / 2010 (A) Road Classification RCU-209-110 | | | | | | | | llow-Up E | Ву | | | | | | | |
| Road Classificat | | - | U-209- | -110 | | | | | - | | | | | | | |
| Detour Length (k | <u></u> | 6 | 001 | 00 | | | | 20.40 | | | . | 000 | 0.00 | | 0 0 " | -1.0 |
| Allowable Load (| t): Sin | gle | CS1 | 28 | | Semi | CS | S2 49 | Train CS | | | CS | 33 62> On Critical M | | | al Spans ember |
| Design Loading: | | | HS25 | 5 | | | | | | | | | | | > Primary S | |
| Doorgin Loading. | | | 11020 | | | | Po | stina | nfor | mation | | | | | > i iiiiai y | орин |
| Required Vert. C | learan | ice F | Postino | ı (m) | | | | | | | | | | | | |
| Posted Vertical (| | | | , () | No | | | | | | | | | | | |
| | | | ` ' | dge (m) | | In Adva | nce | (V/NI) | | Lane | SB O | | n Bridge (m) | | In Advance (Y/N) | |
| Remarks | Not re | | | uge (III) | | III Auva | IIC C (| (1/11) | | Lane | JOD | | in blidge (III) | | III Advance | (1/14) |
| | | | cu. | | Cira arla | | | | | Comi | | | Truck Train | | | |
| Required Load P | | (1) | | | Single | | | | | Semi | | | Truck Train | | | |
| Posted Loading | | | | | Single | 64 | | | | Semi | | | Truck Train | | | |
| Posted: | Lane | | EB | At Junction (Y | | | | | | In Advance (Y/N) | | No | At Bridge (Y/N) No | | - | |
| Posted: | Lane | | WB | | At Junc | tion (Y/ | N) | No | | In Adva | nce (` | Y/N) | No | At Br | idge (Y/N) | No |
| Remarks | Not re | quir | ed. | | | | | | | | | | | | | |
| Hazard Marker A | At Brid | ge (\ | //N) | No | | | | | | | | | | | | |
| Remarks | | | | Not req | uired. | | | | | | | | | | | |
| Other Sign Type | s | | | | | | | | | | | | | | | |
| | | | | | | | Ut | ilities (| Loca | ated at) | | | | | | |
| Utility Attachmer | nts | | | | | | | | | | | | | | | |
| Telephone | South | r/w. | | | | | | | Ga | ıs | | | | | | |
| Power | 3 wire | 10n | n East | crossing | g hwy. | | | | | Municipal | | | | | | |
| Others | | | | | | | | | | Problem (Y/N) No | | | | | | |
| Remarks | | | | | | | | | | | | | | | | |
| | | | | | | | | Appro | ach l | Road | | | | | | |
| | | | | | | L | _ast | Now | Ex | Explanation of Condition | | | | | | |
| Horizontal Alignr | ment | | | | | | 7 | 7 | No | No passing. | | | | | | |
| Vertical Alignme | nt | | | | | | 7 | 7 | | | | | | | | |
| Roadway Width | (m) | | | 9.000 | | | | | Lo | cal ACP f | ailure | in W | BL East appro | oach (| photo). | |
| Approach Bump | | | | | | | 4 | 4 | Ту | pical wide | e trans | sverse | e cracking - b | oth en | ıds. | |
| Guardrail (Y/N) | | | | Yes | | | | | Mis | ssing tran | sition | rail b | olts at NW & | SE cc | rners (photo). | |
| Guardrail | | | | | | | 7 | 4 | Lo | west heig | jht @ | NW is | s 450mm - Oł | < to le | ave as is for r | now. |
| Length (m) | | | | 99.000 | | | | | | | | | | | | |
| Current Standa | ard (Y/ | N) | | Yes | | | | | | | | | | | | |
| Termination Ty | | , | | | D DOW | N | | | | | | | | | | |
| Drainage | | | | | | | 7 | 7 | | | | | | | | |
| Drainage . | | | | | | | | | | | | | | | | |
| Approach Road | l Gene | ral l | Rating | | | | 7 | 7 | | | | | | | | |

| | | | | | | Super | structure |
|---|-----------------------------|----------|----------|---------------|--------------|---------|---|
| Bridge Comp | onent | | | | | | Explanation of Condition |
| (Primary Spar | | ns, Len | gths(n | n): 15.2-16.8 | | | - |
| Special Featu | ıres | | | | | | |
| Special Featu | | | | | | X | |
| (Type:) | | | | | | | |
| Special Featu | re | | | | | Х | |
| (Type:) | | | | | | | |
| Wearing Surfa | ace/Deck Top | Detail F | Ratings | | | | |
| | N (%) | 1 (%) | | 2 (%) | 3 (%) | | |
| Last | 10 | (|) | 0 | | 0 | |
| Now | 0.0 | 0. | .0 | 0.0 | (| 0.0 | |
| Wearing Surfa (Material Ty COAT) (Thickness(| pe : CONCRE | TE - C | ONVE | NTIONAL CI | 5 HIP SEA | 5 .L | (FRC overlay - various local scaling - photo. 27May2005). Chip seal delam along centreline (photo). |
| Lateral Conne | | n | No | | | | |
| Deck Top | | | | | N | N | |
| Deck Rideabil | lity | | | | 7 | 7 | |
| Deck Joints | | | | | 7 | 7 | |
| Temperatur | | 1 | | | | | |
| (Expansion | Type:) | | | | | | |
| (Fixed Type | :) | | | | | | |
| Gap Size (m | nm) | | Gap L | ocation | | | |
| 60 | | | W. AB | | | | |
| 70 | | | W. PIE | | | | |
| 72 | | | E. PIE | | | | |
| 64 | | | E. AB | JT | | | |
| | | | | | | | |
| Deck Drainag | | | | | 7 | 7 | No deck drains. |
| Drains Clog | | | | | | | |
| Curbs/Median | | | | | 4 | 4 | Previously sealed - dirty. Spalled SE corner. |
| | : Standard) | | | | | | Spalled GE Corrier. |
| Scaling (Per | rcent Area) | 1 | <u> </u> | | | | |
| Bridge Rail | | | | | 8 | 8 | |
| | DGE TUBE) | | | | | | |
| Bridge Rail Po | osts L VANIZED PC | ST ST | EEL;G | ALVANIZED | 8 POST | 8 | |
| STEEL) Bridge Rail/Po | nete Contina | | | | 7 | 7 | |
| | osis Coaling | | | | 1 | / | - |
| (Type:) | | | | | V | V | |
| Sidewalk | | | | | X | X | |
| Girder Detail F | Ratings | | | | | | |
| | N (count) | 1 (cou | nt) | 2 (count) | 3 (co | unt) | |
| Last | 0 | C |) | 0 | | 0 | |
| Now | 0 | (|) | 0 | | 0 | |
| Girders | | | | | 4 | 4 | Spall at end of girder NW corner - photo. S2 dirty from train exhaust. |
| Cracking (Y | /N) | \ \ | ⁄es | | | | |
| Spalling (Pe | ercent Area) | 1 | <u> </u> | | | | |
| (Number Of G | Girders : 24) | | | | | | |

| Bridge Component | Last | Now | Explanation of Condition |
|---|----------|----------|---|
| (Primary Span: RD, 3 Spans, Lengths(m): 15.2-16.8 | -15.2, A | -Ident I | Number:) |
| Diaphragms/Cross Frame | Х | X | |
| Bearings | 8 | 8 | |
| Temperature (deg. C) | | | |
| (Expansion Type : REINFORCED PAD BEARING) | | | |
| (Fixed Type : REINFORCED PAD BEARING) | | | |
| Coating Adequate (Y/N) Yes | | | |
| Functioning (Y/N) Yes | | | |
| Deck Underside | 7 | 7 | |
| Stains (Percent Area) 0 | | | |
| Span Alignment Problems | · | | |
| Vertical (Y/N) No | | | |
| Horizontal (Y/N) No | | | |
| Superstructure General Rating | 4 | 4 | |
| onposed means of the same g | | | |
| | | | ructure |
| Bridge Component | Last | Now | Explanation of Condition |
| Abutments | | | |
| Bearing Seats/Caps | 8 | 8 | |
| (Type : CONCRETE) | | | |
| Backwalls/Breastwalls | 8 | 8 | |
| Wingwalls | 8 | 8 | |
| Piles | N | N | |
| Paint/Coating | 7 | 7 | |
| Abutment Stability | 8 | 8 | |
| Scour/Erosion | 8 | 8 | |
| Piers/Bents | <u>'</u> | | |
| (Type : PIER-COLUMN) | | | Pipe 16" |
| Bearing Seats/Caps | 8 | 8 | Have been painted. |
| (Type : CONCRETE) | | | |
| (Total Number of Bearing Piles : 6:6) | | | |
| Pier Shaft/Piles | 8 | 8 | |
| Bracing/Struts/Sheathing | Х | Х | |
| Nose Plate | Х | Х | |
| Paint/Coating | 4 | 4 | Some peeling of paint/pitting of piles - photo. Some of the paint has |
| (Colour Description :) | | | been removed by vandals - graffitti. |
| (Colour Code :) | | | |
| Pier Stability | 8 | 8 | |
| Scour | 8 | 8 | |
| Debris (Y/N) No | | | |
| Substructure General Rating | 8 | 8 | |

| | | Structu | re Usage |
|--------------------------------|--------------|---------|---|
| | Last | Now | Explanation of Condition |
| Grade Separation | | | |
| Road Alignment | X | X | |
| Traffic Safety Features | X | X | |
| Туре | | | |
| Slope Protection | 6 | 6 | W abut pulled away 150mm - 300mm deep. E abut pulled away 150mm - 300mm deep. Filled with asphalt - both sides. |
| (Type : CONCRETE; CONCRET | Γ E) | | 150mm - 300mm deep. Filled with asphalt - both sides. |
| Bank Stability | 7 | 7 | |
| Drainage | 7 | 7 | |
| Grade Separation General Ratin | g 6 | 6 | |

| | | | Maintenance Reco | mmenda | ations | | | | | |
|--|------------|---|---|-----------|---|---------------|------|-------------|-----------|-------|
| Inspector Recommendations | Year | In | nspector Comments | | Department Com | nments | | Target Year | Est. Cost | Cat # |
| REPAIR/REPLACE BRIDGE RAIL | | | | | | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | | | | |
| SEAL CURBS | 2012 | Р | Patch spalled SE curb corner. | | | | | | | |
| PATCH DECK | 2015 | | Redo chipseal. | | | | | | | |
| SEAL DECK | | | | | | | | | | |
| OVERLAY DECK | | | | | | | | | | |
| REPAIR/REPLACE DECK JOINTS | | | | | | | | | | |
| RESET/ PAINT BEARINGS | | | | | | | | | | |
| WASHING | | | | | | | | | | |
| SHOTCRETE REPAIRS | | | | | | | | | | |
| REPAIR ABUTMENT SCOUR/EROSIG | NC | | | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | | | |
| OTHER ACTION | 2012 | P | Patch spalled NW girder end. | | | | | | | |
| OTHER ACTION | 2012 | 2012 Patch local ACP failure @ East appr & seal ACP cracks both ends. | | | | | | | | |
| OTHER ACTION | 2012 | 1 | nstall 4 bolts to connect SE & NW trans ail. | sition | | | | | | |
| 071170 4071011 | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | |
| OTHER ACTION OTHER ACTION | | | | | | | | | | |
| | ow) 66.7/ | 66.7 | Sufficiency Rating (Last/Nov | w) 6 | 5.5/64.9 | Est. Repl. Yr | 2038 | Maint. Red | qd. (Y/N) | Yes |
| OTHER ACTION Structural Condition Rating (Last/No | pw) 66.7/ | 766.7 | Sufficiency Rating (Last/Nov (%) | w) 6 | Department Comments | Est. Repl. Yr | 2038 | Maint. Red | qd. (Y/N) | Yes |
| OTHER ACTION Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection | ow) 66.7/ | 766.7 | Sufficiency Rating (Last/Nov (%) | w) 6 | Department | Est. Repl. Yr | | Maint. Red | | Yes |
| OTHER ACTION Structural Condition Rating (Last/No. (%) Special Comments for | ow) 66.7/ | 766.7 | Sufficiency Rating (Last/Nov (%) | w) 6 | Department Comments | Est. Repl. Yr | | | | Yes |
| OTHER ACTION Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By | pw) 66.7/ | /66.7 | Sufficiency Rating (Last/Nov (%) | w) 6 | Department Comments | Est. Repl. Yr | | | | Yes |
| Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy | pw) 66.7/ | 766.7 | Sufficiency Rating (Last/Nov (%) | w) 6 | Department Comments | Est. Repl. Yr | | | | Yes |
| Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) | ow) 66.7/ | | (%) | | Department Comments | Est. Repl. Yr | | | | Yes |
| Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name | Owen Salav | a | (%) | revious A | Department Comments Date Assistant's Name | Est. Repl. Yr | | | | Yes |
| Structural Condition Rating (Last/Not/%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action | | a | (%) | revious A | Department Comments Date | | | | | Yes |

Bridge Inspection & Maintenance System (Web 2005)