| | | | | Bridg | e Culve | ert Inspec | tion | | | | | |
|---|-----------|-------------------|------------|----------|--|-------------------------|-----------------------------|-----------------|-----------------------|--------------|--|--|
| Bridge File Nun | nber 8180 | 05 -1 Bridge Culv | | | Form Typ | ре | CUL1 | CUL1 | | | | |
| Year Built | 1992 | 2 | | | | Lot No. | | 2 | | | | |
| Bridge or Town | Name LOC | AL ROAD OVER | | CIAL | | Inspector | r Name | Todd Warshav | vski | | | |
| HIGHWAY 40 NEAR LUSCAR Located Over 40:28 C1 14.627 | | | | | | Inspector | r Class | BR CLS B | | | | |
| Located Over 40:28 C1 14.627 Located On MUNICIPAL | | | | | | Assistant | t Name | | | | | |
| | | NICIPAL | | | | Assistant | t Class | | | | | |
| Water Body Cl./Year | | | | | | Inspectio | on Date | 30-Oct-2012 | 30-Oct-2012 | | | |
| Navigabil. Cl./Y | | | | | | Data Ent | try By | Theresa Lacus | Theresa Lacusta | | | |
| Legal Land Loc | | SEC 5 TWP 48 R | | И | | Data Ent | Data Entry Date 21-Nov-2012 | | | | | |
| Longitude, Latit | | :28:26, 53:07:06 | | | | Reviewe | wer Name Eric Carcoux | | | | | |
| Road Authority | | rta Transportatio | n (AIT) | | | Review Date 13-Nov-2012 | | | | | | |
| Contract Main. | | \13 | | | | Dept. Re | Reviewer Name Brent Herrick | | | | | |
| Clear Roadway | /Skew 9 / | | | | | Dept. Re | Review Date 22-Nov-2012 | | | | | |
| AADT/Year | | | | | | Follow-U | Ј р Ву | | | | | |
| Road Classifica | | J-210-110 | | | | - | | | | | | |
| Detour Length | | | | | | | | | | | | |
| Bridge Culvert | | | | | | | | | | | | |
| Number of Culv | | 1 | D: / I | D:- \ | T | <u> </u> | | O Dfil- | DI (OL-I- | Oh | | |
| Pipe # | Barrel | Span | Rise (or I | Jia.) | Туре | L | _ength | Corr. Profile | Pl./Slab Thickness | Shape | | |
| 1 | MAIN | 12300 | 9240 | | SCA | 7 | 70.1 | 125X51 | 7.0 | ARCH | | |
| Special Feature | es | | | | 1 | <u> </u> | | | | | | |
| Special Feature | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| De mine d Vant | Ola D | ti () | | Ро | sting ir | nformatio | n | | | | | |
| Required Vertical | | | | | | | | | | | | |
| Posted: Lane | | | | / | \/\N\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | V I | - ND | On Bridge (m) | la Advan | (V/NI) V | | |
| Posted: Lane Remarks | SB C | On Bridge (m) | In Adv | ance (| Y/IN) | Yes Lar | ne NB | On Bridge (m) 5 | In Advan | ce (Y/N) Yes | | |
| Remarks | | | | 114 | 1:4:00 /1 | _ocated a | .4\ | | | | | |
| Utility Attachme | ante | | | Oti | iities (L | _ocated a | it) | | | | | |
| Telephone | East r/w | | | | | Gas | | | | | | |
| | | nd at NF | | | | Municipa | al | | | | | |
| Power Over top and at NE Others | | | | | | Problem | | | | | | |
| Remarks | | | | | | 1 TODICITI | (1/14) 140 | <u>'</u> | | | | |
| Remarks | | | An | proac | ch Road | d / Emban | nkment | | | | | |
| | | | 1,5 | Last | Now | | tion of Cor | ndition | | | | |
| Horizontal Alignment | | | | 6 | | Curve to North | | | | | | |
| Vertical Alignment | | | | 6 | Crest to | Crest to South | | | | | | |
| Roadway Width (m) 9.000 | | | | | | | | | | | | |
| Embankment | | | N | Snow co | vered | | | | | | | |
| Embankment Sideslope (:1) 2.0 | | | | | | | | | | | | |
| • ` ` | | | | | | | | | | | | |
| (Height of Cover(m) : 3.5) Guardrail (Y/N) Yes | | 45.6 | | 45.6m at | 45.6m at each corner. | | | | | | | |
| Approach Road / Embankment General Rating | | ating | | 6 | | | | | | | | |
| | | | | | Unetro | am End | | | | | | |
| Culvert Compo | | | | | UDSHE | | | | | | | |
| | onent | | | Last | Now | | tion of Cor | ndition | | | | |
| Direction | onent | | | | | | tion of Cor | ndition | | | | |
| | | Steel, CONCRET | Ē | Last | | | tion of Cor | ndition | | | | |

81805 -1 Bridge Culvert

| Upstream End | | | | | | | | | |
|---|----------------------|-------|---------|---|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| Collar | | | N | Snow covered | | | | | |
| Wingwalls | | | Х | | | | | | |
| (Shape:) | | | | | | | | | |
| Cutoff Wall | | | X | | | | | | |
| Bevel End | | | 7 | | | | | | |
| Heaving (mm) | | | | | | | | | |
| Invert Above/Below Stream Bed | | | | | | | | | |
| Above/Below (mm) | | | | | | | | | |
| Scour Protection | | | X | Not required | | | | | |
| (Type :) | | | | | | | | | |
| (Avg. Rock Size(mm):) | | | | | | | | | |
| Scour/Erosion | | | X | | | | | | |
| Beavers (Y/N) | No | | | | | | | | |
| Upstream End General Rating | | | 7 | | | | | | |
| | | Brio | ige Cu | Ivert Barrel | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| (Pipe #: 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): 1230 | 0, Rise (mm): 9240, Type: SCA) | | | | | |
| Barrel Last Accessible Date | 30-Oct-2012 | | | | | | | | |
| Special Features | | | | | | | | | |
| Special Feature | | | | | | | | | |
| (Type:) | | | | | | | | | |
| Special Feature | | | | | | | | | |
| (Type:) | | | | | | | | | |
| Roof | | | 8 | | | | | | |
| Measured Rise (mm) | 7203 | | | Road centerline to roof | | | | | |
| Measured At Ring No. | 10 | | | | | | | | |
| Sag (mm) | | | | | | | | | |
| Percent Sag | | | | | | | | | |
| Sidewall | | | 8 | | | | | | |
| Measured Span (mm) | 1253 | | | | | | | | |
| Measured At Ring No. | 9 | | | | | | | | |
| Deflection (mm) | 232 | | | | | | | | |
| Percent Deflection | 2 | | | | | | | | |
| Floor | | | Х | | | | | | |
| Bulge (mm) | | | | | | | | | |
| Measured At Ring No. | | | | | | | | | |
| Abrasion (Y/N) | | | | | | | | | |
| Circumferential Seams | | | 8 | | | | | | |
| Separation (mm) | | | | | | | | | |
| Longitudinal Seams | | | 8 | | | | | | |
| Total No. of Cracked Rings | | | | | | | | | |
| Total No. of Rings with Two Cracked Seams | | | | 1N ON ROOF 3N ON SIDEWALLS | | | | | |
| Min. Remaining Steel Between Cracks (mm) | | | | NO STAGGER ON SIDEWALL/ROOF TRANSITION. | | | | | |
| Proper Lap (Y/N) | Yes | | | 1 | | | | | |
| Longitudinal Stagger (Y/N) | No | | | | | | | | |

| | | Brid | dge Cu | Ivert Barrel |
|---|----------------------|-------|---------|--|
| Culvert Component | | Last | Now | Explanation of Condition |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): 1230 | 0, Rise (mm): 9240, Type: SCA) |
| Coating | | | 7 | Stains at bolts/seams |
| Corrosion By Soil (Y/N) | Yes | | | |
| Corrosion By Water (Y/N) | No | | | |
| Camber POS/ZERO/NEG | ZERO | | | |
| Ponding (Y/N) | No | | | |
| Fish Passage Adequacy | | | Х | |
| Baffle | | | Х | |
| (Type:) | | 1 | | |
| Waterway Adequacy | | | X | |
| Icing (Y/N) | | | | |
| Silting (Y/N) | | | | |
| Drift (Y/N) | | | | |
| Barrel General Rating | | | 8 | |
| | | D | ownstr | ream End |
| Culvert Component | | Last | Now | Explanation of Condition |
| Direction | | S | | |
| End Treatment (Concrete, Steel, Others, None) | CONCRETE | | | |
| Headwall | | | 7 | Medium cracks |
| Collar | | | N | Under snow |
| Wingwalls | | | Х | |
| (Shape:) | | | | |
| Cutoff Wall | | | 7 | |
| Bevel End | | | 7 | |
| Heaving (mm) | | | | |
| Invert Above/Below Stream Bed | | | | |
| Above/Below (mm) | | | _ | |
| Scour Protection | | | X | |
| (Type:) | | | | |
| (Avg. Rock Size(mm):) | | | | |
| Scour/Erosion | | | X | |
| Beavers (Y/N) | | | | |
| Downstream End General Ratio | ng | | 7 | |
| | | | | re Usage |
| | | Last | Now | Explanation of Condition |
| Grade Separation | | I | | |
| Road Alignment | | | 7 | |
| Roadway Surface | | | 8 | |
| (Type :) | | | | ACP |
| Icing (Y/N) | No | | | |
| Traffic Safety Features | | | 8 | Cast in place concrete barriers along sidewalls. |
| Туре | | | | |

| Structure Usage | | | | | | |
|---------------------------------|-----|------|-----|--------------------------|--|--|
| | | Last | Now | Explanation of Condition | | |
| Lighting | | | 5 | 3 of 18 not working | | |
| Barrel Leakage (Y/N) | No | | | | | |
| Drainage | | | 7 | | | |
| Structure In Use (Y/N) | Yes | | | | | |
| Grade Separation General Rating | | | 7 | | | |

81805 -1 Bridge Culvert

| | | Maintenance Rec | ommendations | | | | | |
|--|-------------|---------------------------------|---------------------------|---------------------|------|---------------|-----------|-------|
| Inspector Recommendations | Year | Inspector Comments | | Department Comments | | | | Cat # |
| SHOTCRETE REPAIRS | | | | | | Target Year | Est. Cost | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | ì | | | | | | | |
| INSTALL STRUTS | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUT | OFF | | | | | | | |
| REPAIR SEAMS | | | | | | | | |
| OTHER ACTION | 2013 | Repair lights. | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| Structural Condition Rating (Last/N (%) | ow) /88.9 | Sufficiency Rating (Last/No (%) | ow) /86.8 | Est. Repl. Yr | 2042 | Maint. Re | qd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | Department Comments | | | | | |
| Maintenance Reviewed By | | | Date | | E | stimated Tota | I 0 | |
| Proposed Long-Term Strategy | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | |
| Proposed Action | | | | | | | | |
| Previous Inspector's Name | | F | Previous Assistant's Name | | | | | |
| Next Inspection Date | 30-Jul-2014 | F | Previous Inspection Date | | | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | | |
| Comment | | | | | | | | |