| Bridge File Number | | | | | | Brido | e Culve | ert Insp | ection | | | | | |
|--|---|-------------|--------------------|----------|------------|-------|------------|---------------------------|-------------|--------------------------------|------------------|------------------|------------------|--|
| Year Bull | Bridge File Numbe | er 808 | 95 -1 Bridge | Culver | | | | | | | CUL1 | | | |
| Bridge or Town Name Located Over | | | | | | | | | | | | | | |
| Located Over TRIBUTARY TO CHRISTINA RIVER, 81.13.94.10, WATERORS-ST Assistant Name | Bridge or Town Na | ame CO | NKLIN | | | | | | | <u> </u> | Wade Nanninga | | | |
| B.11.39.4.10, WATERCRS-ST | Located Over TRIBUTARY TO CHRISTINA RIV | | | | VER. | | | | | | | | | |
| Assistant Class Longitude | | | | | | | · | | DIC OLO D | | | | | |
| Inspection Date Date Entry By Date By Da | Located On | 881 | :22 C1 8.753 | S | | | | Assistant Class | | | | | | |
| Data Entry By | Water Body Cl./Ye | ear | | | | | | | | | 09-Sep-2010 | | | |
| Legal Land Location Legal Land Location Legal Land Location Land Locat | | | | | | | | Data E | ntry By | | Theresa Lacu | sta | | |
| Road Authority | | | SEC 31 TWF | 77 R | GE 7 W4N | И | | | | 21-Sep-2010 | | | | |
| Contract Main. Area CMA07 | | | | | | | | _ | | · | | | | |
| Clear Roadway/Skew 10 / - 30 deg. (LHF) Dept. Review Date Dept. Review Date ADDTYPER Toy / 2009 (A) Pollow-Up By Dept. Review Date | | | | rtation | (AIT) | | | | | 16-Sep-2010 | | | | |
| ADDT/Year | | | | | | | | Dept. F | Reviewer | Name | Brent Herrick | | | |
| Road Classification | - | | | łF) | | | | Dept. F | Review D | ate | 05-Oct-2010 | | | |
| Detour Length (km) 250 | | | . , | | | | | Follow | -Uр Ву | | | | | |
| Special Features | | | | | | | | | | | | | | |
| Number of Culverts | | | | | | | | | | | | | | |
| Pipe # Barrel | | | | | | | | | | | | | | |
| 1 MAIN 2314 2552 SPE 44.5 152X51 3.0 ELLIPSE Special Features Special Features Comment Utilities (Located at) | | | | | D: / I | D: \ | _ | | | | 0 0 0 | DI /OL I | 01 | |
| Special Features Special Features Comment Utility Attachments Telephone Power Others Fibre optic West r/w. Remarks File tag installed on top of East end roof. Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment Vertical Alignment Vertical Alignment Vertical Alignment Sideslope (_:1) (Height of Cover(m): 4.7) Guardrail (Y/N) Yes Approach Road / Embankment Fibre optic West r/w. Fibre optic West r/w. Problem (Y/N) Problem (Y/N) Problem (Y/N) Problem (Y/N) Seplanation of Condition Roadway superelevated across pipe in horizontal curve. No passing both directions. Dittch erosion on NE slope, well vegetated. Minor sloughing of slope on north side of inlet - stabilized. Over outlet-2:1 otherwise Culvert Component Last Now Explanation of Condition Upstress End Culvert Component Last Now Explanation of Condition End Treatment (Concrete, Steel, STEEL Others, None) Now Explanation of Condition End Treatment (Concrete, Steel, STEEL Others, None) Vertical Alignment Vertical Alignment Say Say Superelevated across pipe in horizontal curve. No passing both directions. Vertical Alignment Culvert Component Last Now Explanation of Condition End Treatment (Concrete, Steel, STEEL Others, None) Vertical Alignment Vertical Alignment Say Say Superelevated across pipe in horizontal curve. No passing both directions. Vertical Alignment To vertical Alignment Approach Road / Embankment Embankment Condition End Culvert Component Last Now Explanation of Condition Embankment End Culvert Component Last Now Explanation of Condition Culvert Component Last Now Explanation of Condition Embankment Approach Road / Embankment Embankment Culvert Component Last Now Explanation of Condition Embankment Approach Road / Embankment Culvert Component Last Now Explanation of Condition Embankment Approach Road / Embankment Embankment Culvert Component Last Now Explanation of Condition Embankment Approach Road / Embankment Condition Condition Condition Condition Condition Condit | Pipe # Ba | arrei | Span | | Rise (or i | Dia.) | Туре | | Length | | Corr. Profile | | Snape | |
| Utility Attachments Telephone Power Chiefers Fibre optic West r/w. Problem (Y/N) No Remarks File tag installed on top of East end roof. Approach Roadway Width (m) 10.000 | 1 M/ | AIN | 2314 | | 2552 | | SPE | | 44.5 | | 152X51 | 3.0 | ELLIPSE | |
| Utility Attachments Telephone Power Chiefers Fibre optic West r/w. Problem (Y/N) No Remarks File tag installed on top of East end roof. Approach Roadway Width (m) 10.000 | Special Features | | | | | | | | ' | | | | | |
| Utility Attachments | Special Features (| Commen | : | | | | | | | | | | | |
| Utility Attachments | | | | | | | | | | | | | | |
| Cas Municipal Problem (Prival Prival Prival Problem (Prival Prival Problem (Prival Prival Problem (Prival Prival Prival Problem (Prival Prival Prival Problem (Prival Prival Prival Problem (Prival Prival Prival Prival Problem (Prival Prival Prival Prival Prival Problem (Prival Prival Prival Prival Prival Prival Prival Prival Prival Problem (Prival Prival Prival Prival Prival Prival Prival Prival Problem (Prival Prival | Living Ave I | | | | | Ut | ilities (L | ocated | at) | | | | | |
| Numicipal | | S | | | | | | 0 | | 1 | | | | |
| Others Fibre optic West r/w. Problem (Y/N) No Remarks File tag installed on top of East end roof. Approach Road Embankment Example Exa | | | | | | | | | 1 | | | | | |
| Remarks File tag installed on top of East end roof. Approach Road / Embankment Last Now Explanation of Condition | | Tibro ontic | | | | | | | | No | | | | |
| Approach Road / Embankment Last Now Explanation of Condition | | | | of Ear | et and roo | .f | | Floble | III (17IN) | INO | | | | |
| Horizontal Alignment | Remarks | ne tag in | stalled on top | OI Las | | | ch Road | l / Emb | ankment | | | | | |
| Horizontal Alignment Vertical Al | | | | | 7.5 | | | | | | tion | | | |
| Roadway Width (m) 10.000 Embankment 5 5 Ditch erosion on NE slope, well vegetated. Minor sloughing of slope on north side of inlet - stabilized. Over outlet-2:1 otherwise Guardrail (Y/N) Yes Approach Road / Embankment General Rating 6 6 Culvert Component Last Now Explanation of Condition Direction E End Treatment (Concrete, Steel, Others, None) Headwall X X Wingwalls X X Wingwalls | Horizontal Alignme | ent | | | | 6 | 6 | Roadw | ay super | elevate | ed across pipe i | in horizontal cu | urve. No passing | |
| Embankment Sideslope (_:1) 1.0 (Height of Cover(m): 4.7) Guardrail (Y/N) Approach Road / Embankment General Rating Culvert Component Direction End Treatment (Concrete, Steel, Others, None) Headwall X X Wingwalls Ditch erosion on NE slope, well vegetated. Minor sloughing of slope on north side of inlet - stabilized. Over outlet-2:1 otherwise Upstream End Explanation of Condition Direction E Versum End X X X Vingwalls | Vertical Alignment | t | | | | 7 | 7 | both di | rections. | | | | | |
| Embankment Sideslope (_:1) 1.0 (Height of Cover(m): 4.7) Guardrail (Y/N) Approach Road / Embankment General Rating Culvert Component Direction End Treatment (Concrete, Steel, Others, None) Headwall X X Wingwalls Ditch erosion on NE slope, well vegetated. Minor sloughing of slope on north side of inlet - stabilized. Over outlet-2:1 otherwise Upstream End Explanation of Condition Direction E Versum End X X X Vingwalls | | | | | | | | | | | | | | |
| Sideslope (_:1) | Roadway Width (n | m) | 10.00 |) | | | | | | | | | | |
| Sideslope (_:1) | Fundamental and | | | | | | | Dital a | | NIT -1 | | -4 N. N. N | | |
| (Height of Cover(m) : 4.7) Guardrail (Y/N) Approach Road / Embankment General Rating Culvert Component Direction End Treatment (Concrete, Steel, Others, None) Headwall Cullar X X Wingwalls Over outlet-2:1 otherwise | | | | | 5 | 5 | on nor | rosion or th side of | inlet - : | ope, weii veget stabilized. | ated. Milnor sid | ougning of slope | | |
| Superior | | | | | | | | Over outlet-2:1 otherwise | | | | | | |
| Approach Road / Embankment General Rating 6 6 | (Height of Cover(m) : 4.7) | | | | | | Over 0 | uuct-2.1 (| Ou IEI WI | | | | | |
| Culvert Component Last Now Explanation of Condition Direction E End Treatment (Concrete, Steel, Others, None) Headwall X X Collar X X Wingwalls X X | Guardrail (Y/N) | | Yes | | | | | | | | | | | |
| Culvert Component Last Now Explanation of Condition Direction E End Treatment (Concrete, Steel, Others, None) Headwall X X Collar X X Wingwalls X X | Annua L D | / F | ···· - · · · · · · | | | | | | | | | | | |
| Culvert Component Last Now Explanation of Condition Direction E End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X Collar X X Wingwalls X X | Approach Road / | Embank | inent Gener | aı Katı | ing | б | ٥ | | | | | | | |
| Direction E End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X Collar X X Wingwalls X X | | | | | | | Upstre | am End | | | | | | |
| End Treatment (Concrete, Steel, Others, None) Headwall Collar X X Wingwalls STEEL X X X X | Culvert Compone | ent | | | | Last | Now | Explar | ation of | Condi | tion | | | |
| Others, None) Headwall Collar X X Wingwalls X X | Direction | | | | | Е | | | | | | | | |
| Collar X X Wingwalls X X | End Treatment (C Others, None) | oncrete, | Steel, STEE | L | | | | | | | | | | |
| Wingwalls X X | Headwall | | | | | Х | X | | | | | | | |
| | Collar | Collar | | | Х | X | | | | | | | | |
| (Chara :) | Wingwalls | | | | | Х | X | | | | | | | |
| (Snape:) | (Shape:) | | | | | | | | | | | | | |

80895 -1 Bridge Culvert

| | | | Upstre | am End |
|--|---------------------------------------|------|--------|---|
| Culvert Component | | Last | Now | Explanation of Condition |
| Cutoff Wall | | X | X | |
| Bevel End | | 8 | 8 | |
| Heaving (mm) | 300 | | | |
| Invert Above/Below Stream Bed | BELOW | | | |
| Above/Below (mm) | 200 | | | |
| Scour Protection | | 6 | 6 | |
| (Type : RIP RAP) | | | | |
| (Avg. Rock Size(mm) : 300) | | | | |
| Scour/Erosion | | 6 | 6 | |
| Beavers (Y/N) | No | | | |
| Upstream End General Rating | | 8 | 6 | |
| | | Brid | dae Cu | lvert Barrel |
| Culvert Component | | | | Explanation of Condition |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | | | <u> </u> |
| Barrel Last Accessible Date | 13-Jun-2007 | | | Water 1000mm deep, viewed from ends- pipe looks to be in good shape. |
| Special Features | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| | | | | |
| Roof | 0.47.4 | 6 | 6 | At c/l. |
| Measured At Bing No | 2474 | | | |
| Measured At Ring No. | 78 | | | |
| Sag (mm) | | | | |
| Percent Sag | 3 | | | |
| Sidewall Management Control | 2402 | 6 | 6 | |
| Measured Span (mm) | 2402 | | | At c/l. |
| Measured At Ring No. | 00 | | | |
| Deflection (mm) | 88 | | | |
| Percent Deflection | 4 | | T | |
| Floor | | N | N | Floor has 300 mm to 600 mm of mud13-Jun-2007 |
| Bulge (mm) | 0 | | | Minor, from rocks flowing through13-Jun-2007 |
| Measured At Ring No. | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | |
| Abrasion (Y/N) | Yes | | | <u> </u> |
| Circumferential Seams | | 8 | N | |
| Separation (mm) | 0 | | | |
| Longitudinal Seams | ı | 7 | N | Unable to see bottom row of longitudinal seams due to depth of water. |
| Total No. of Cracked Rings | 0 | | | water. |
| Total No. of Rings with Two Cracked Seams | | | | |
| Min. Remaining Steel Between Cracks (mm) | | | | |
| Proper Lap (Y/N) | No | | | |
| Longitudinal Stagger (Y/N) | No | | | |
| Coating | | 6 | 5 | |
| Corrosion By Soil (Y/N) | Yes | | | |
| Corrosion By Water (Y/N) | Yes | | | |

| | | Bric | dge Cu | vert Barrel |
|---|---------------------------------------|-----------|---------|---------------------------------|
| Culvert Component | | Last | Now | Explanation of Condition |
| (Pipe #: 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): 2314 | , Rise (mm): 2552, Type: SPE) |
| Camber POS/ZERO/NEG | NEG | | | |
| Ponding (Y/N) | No | | | |
| Fish Passage Adequacy | | | 8 | |
| Baffle | | Х | Х | |
| (Type:) | | | 1 | |
| Waterway Adequacy | I | 8 | 8 | (98/12/17) |
| Icing (Y/N) | Yes | | | |
| Silting (Y/N) | No | | | |
| Drift (Y/N) | No | | | |
| Barrel General Rating | | 6 | N | Previous rating '6' 13-Jun-2007 |
| | | | | |
| Cultivant Common on ant | | | | eam End |
| Culvert Component | | Last W | Now | Explanation of Condition |
| Direction | OTEEL | VV | | |
| End Treatment (Concrete, Steel, Others, None) | SIEEL | | | |
| Headwall | | Х | X | |
| Collar | | Х | Х | |
| Wingwalls | | Х | Х | |
| (Shape:) | | | 1 | |
| Cutoff Wall | | X | X | |
| Bevel End | | 8 | 8 | |
| Heaving (mm) | 100 | | | |
| Invert Above/Below Stream Bed | BELOW | | | |
| Above/Below (mm) | 500 | | | |
| Scour Protection | | 5 | 5 | |
| (Type : RIP RAP) | | | | |
| (Avg. Rock Size(mm) : 200) | | | | |
| Scour/Erosion | | 5 | 5 | |
| Beavers (Y/N) | No | | | |
| , , | | | T _ | |
| Downstream End General Ratio | ng | 8 | 5 | |
| | | S | tructu | re Usage |
| | | | Now | Explanation of Condition |
| Channel (U/S and D/S) | | | | |
| Alignment | | | 7 | Deadfall in channel. |
| Bank Stability | | 6 | 6 | |
| HWM (m below Top of Culvert) | | | | HWM not visible. |
| Drift (Y/N) | Yes | | | |
| Channel Bottom Degrading/Aggrading | | | | |
| Beavers (Y/N) Yes | | | | |
| (Fish Compensation Measure 1 : NONE) | | | | |
| (Fish Compensation Measure 2 : | · · · · · · · · · · · · · · · · · · · | | | |

| Structure Usage | | | | | | | | |
|-----------------------------------|--|---|--|--|--|--|--|--|
| Last Now Explanation of Condition | | | | | | | | |
| Channel General Rating | | 6 | | | | | | |

| | | N | laintenance Recomme | ndations | | | | | |
|---|------------------|--|---------------------|------------------------|---------------|-------|---------------|-----------|----|
| Inspector Recommendations | | Department Comments | | | | Cat # | | | |
| SHOTCRETE REPAIRS | | Inspector Comments | | · | | | Target Year | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | 3 | | | | | | | | |
| INSTALL STRUTS | | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUT | OFF | | | | | | | | |
| REPAIR SEAMS | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| Structural Condition Rating (Last/N (%) | low) 66.7/5 | 7/55.6 Sufficiency Rating (Last/Now) (%) | | 74.2/63.4 | Est. Repl. Yr | 2034 | Maint. Re | qd. (Y/N) | No |
| Special Monitor channel NE Comments for Next Inspection | E ditch erosion. | | | Department Comments | | | | | |
| Maintenance Reviewed By | | | | Date | | Е | stimated Tota | 1 0 | |
| Proposed Long-Term Strategy | | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | | |
| Proposed Action | | | | | | | | | |
| Previous Inspector's Name | Dave Lam | | Previou | ıs Assistant's Name | | | | | |
| Next Inspection Date | 09-Dec-2013 | 09-Dec-2013 Previous Inspection Date 13-Jun-2007 | | | | | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | | | |
| Comment | | | | | | | | | |