73394 -1 Bridge Culvert

| | | | | | Bridg | e Culve | ert Inspe | ection | | | | | |
|--|---------------------|---------|-----------------------------|-----------|--------|--------------------|---------------------|-------------------------------|---------------------|-----------------|-----------------------|-------|--|
| Bridge File Num | ber 733 | 94 -1 E | Bridge Culver | t | | | Form T | уре | | CUL1 | | | |
| Year Built 1981 Bridge or Town Name SUNSET HOUSE | | | | | | Lot No. | | 2 | | | | | |
| Bridge or Town | Name SUN | ISET I | HOUSE | | | | Inspect | nspector Name Brian Pientsch | | | | | |
| Located Over | STE | EP CF | REEK, 8.10.5 | 8.7.18.1, | | | Inspect | Inspector Class BR CLS A | | | | | |
| Located On | | | | | | | | | | Lisbeth Medina | | | |
| Located On | | .02 (-1 | 18.172 | | | | Assistant Class | | | | | | |
| Water Body Cl./ | | | | | | | Inspect | pection Date 30-Nov-2010 | | | | | |
| Navigabil. Cl./Ye | | SEC 1 | 2 47 TWD 72 DOE 40 WEM | | | | | Data Entry By Theresa Lacusta | | | | | |
| Longitude, Latitu | | | | | | | , | | 21-Dec-2010 | | | | |
| Road Authority | | | 0, 55:14:37 ansportation | /AIT) | | | | | Arnold Assenheimer | | | | |
| | | | ansportation | (Δ11) | | | Review | | | 20-Dec-2010 | | | |
| Contract Main. Area CMA06 Clear Roadway/Skew 9 / -46 de | | | og / UE\ | | | | Dept. Reviewer Name | | David Morrison | | | | |
| AADT/Year 490 / 2 | | | | | | | | • | | 24-Feb-2011 | | | |
| Road Classificat | | J-209- | | | | | Follow-Up By | | | | | | |
| Detour Length (km) 50 Bridge Culvert Information Number of Culverts Pipe # Barrel 1 MAIN | | 200 | 110 | | | | | | | | | | |
| - , | | n | | | | | 1 | | | | | | |
| | | 1 | | | | | | | | | | | |
| | | | oan | Rise (or | Dia.) | Туре | | Length | | Corr. Profile | Pl./Slab Thickness | Shape | |
| 1 | MAIN | - | | 1800 | | SP | | 100.6 | | 152X51 | 3.0 | ROUND | |
| Special Feature | S | | | | | 1 | | | | | ' | | |
| Special Feature | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | Uti | lities (L | ocated. | at) | | | | | |
| Utility Attachme | | | | | | | _ | | I | | | | |
| Telephone | West r/w | | • | | | | Gas | | | | | | |
| Power | x's road ov | er pipe | e - 2 wire | | | | Municip | | Na | | | | |
| Others Remarks | | | | | | | Probler | n (Y/N) | No | | | | |
| Remarks | | | | ۸۰ | nnroad | h Poar | l / Emb | ankment | | | | | |
| | | | | ^ | Last | Now | | ation of | | ion | | | |
| Horizontal Alignment | | | | 6 | 6 | SLIGHT SAG IN ROAD | | | | | | | |
| Vertical Alignment | | | 8 | 8 | | ction imm | | | | | | | |
| Roadway Width | (m) | | 9.000 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Embankment | 4) | | | | 4 | 4 | Emban sideslo | kment slo pe 5 x 10 | oughing) x 0.3n | g on West n. | | | |
| Sideslope (: | • | | 2.0 | | | | | | | | | | |
| (Height of Cov | /er(m) : 8) | | V | | | | | | | | | | |
| Guardrail (Y/N) | | | Yes | | | | | | | | | | |
| Approach Road | d / Embank | ment (| General Rati | ing | 6 | 6 | | | | | | | |
| | | | | | | Upstre | am End | | | | | | |
| Culvert Compo | nent | | | | Last | Now | Explan | ation of | Condit | ion | | | |
| Direction | | | | | E | | East | | | | | | |
| End Treatment (Others, None) | (Concrete, S | Steel, | STEEL | | | | | | | | | | |
| Headwall | | | | | Х | X | | | | | | | |
| Collar | | | | | Х | Х | | | | | | | |
| Wingwalls (Shape:) | | | | | Х | Х | | | | | | | |
| | | | | | | | 1 | | | | | | |

73394 -1 Bridge Culvert

| | | | Upstre | am End |
|--|-------------|----------|--------|---|
| Culvert Component | | Last | Now | Explanation of Condition |
| Cutoff Wall | | X | Х | |
| | | | | |
| Bevel End | | 7 | 6 | |
| Heaving (mm) | 0 | | | |
| Invert Above/Below Stream Bed | BELOW | | | |
| Above/Below (mm) | 200 | | | |
| Scour Protection | | 3 | 3 | Channels enter from South and it is |
| (Type : RIP RAP) | | | | both are aligned to north side of bevel. |
| (Avg. Rock Size(mm) : 300) | | | | |
| Scour/Erosion | | 3 | 3 | Around inlet sloughing 2m into embankment. (Photo) |
| Beavers (Y/N) | No | | | |
| Upstream End General Rating | | 3 | 3 | |
| | | | | |
| | | | | vert Barrel |
| Culvert Component | | | Now | Explanation of Condition |
| (Pipe # : 1, Primary Span, Loca | | Span (mm |): | , Rise (mm): 1800, Type: SP) |
| Barrel Last Accessible Date | 30-Nov-2010 | | | |
| Special Features | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Roof | | 8 | 8 | Measurements couldn't be taken due to ice on floor. |
| Measured Rise (mm) | | | | |
| Measured At Ring No. | | | | |
| Sag (mm) | | | | |
| Percent Sag | | | | |
| Sidewall | | 8 | 8 | |
| Measured Span (mm) | 1762 | - 0 | 0 | |
| Measured At Ring No. | 16 | | | Inward |
| • | 38 | | | |
| Deflection (mm) Percent Deflection | 2 | | | |
| | <u> </u> | N.I. | | les en fleer |
| Floor | | N | N | Ice on floor |
| Bulge (mm) | | | | |
| Measured At Ring No. | Vac | | | |
| Abrasion (Y/N) | Yes | _ | T _ | |
| Circumferential Seams | | 7 | 7 | |
| Separation (mm) | 0 | | | |
| Longitudinal Seams | | 7 | 7 | |
| Total No. of Cracked Rings | 0 | | | |
| 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 | Superficial on bottom half |
| Corrosion By Soil (Y/N) | Yes | | | Soil side near outlet. |
| Corrosion By Water (Y/N) | Yes | | | Alkaline deposits through bolts and longitudinal seams. |
| Camber POS/ZERO/NEG | ZERO | | | |

| | | Brio | dge Cu | Ilvert Barrel |
|--|---------------------------------------|--------|--------|---|
| Culvert Component | | | | Explanation of Condition |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | ın (mm |): | , Rise (mm): 1800, Type: SP) |
| Ponding (Y/N) | No | | | |
| Direction End Treatment (Concrete, Steel, Others, None) Headwall | | 7 | 7 | |
| Baffle | | Х | Х | |
| (Type:) | | | | |
| Waterway Adequacy | | 7 | 7 | |
| | No | | | |
| | No | | | |
| | No | | | |
| | | 7 | 7 | |
| | | | own of | room End |
| Culvert Component | | Last | 1 | ream End Explanation of Condition |
| | | W | INOW | (West) |
| End Treatment (Concrete, Steel, | STEEL | VV | | (West) |
| · | | Х | Х | |
| Collar | | Х | Х | |
| Wingwalls | | Х | Х | |
| (Shape:) | | | | |
| Cutoff Wall | | Х | Х | |
| Bevel End | | 6 | 6 | |
| Heaving (mm) | 0 | | | |
| Invert Above/Below Stream Bed | BELOW | | | |
| Above/Below (mm) | 900 | | | |
| Scour Protection | | 4 | 4 | Scour and sloughing banks along bevel edge 3m to north and South. |
| (Type : RIP RAP) | | | | Photo |
| (Avg. Rock Size(mm): 300) | | | | |
| Scour/Erosion | | 4 | 4 | Scour along bevel edge |
| Beavers (Y/N) | No | | | |
| Downstream End General Ratio | ng | 4 | 4 | |
| | | S | tructu | re Usage |
| | | Last | Now | Explanation of Condition |
| Channel (U/S and D/S) | | | | |
| Alignment | | 3 | 3 | At inlet, channels enter from South and it is aligned to North side of bevel. |
| Bank Stability | | 7 | 6 | |
| HWM (m below Top of Culvert) | | | | HWM not visible. |
| HWM (m below Top of Culvert) Drift (Y/N) No | | | | TITYTYI HOL VISIDIG. |
| Channel Bottom Degrading/Aggrading | 140 | | | Stable |
| Beavers (Y/N) | No | | | |
| (Fish Compensation Measure 1 : | | | | |
| (Fish Compensation Measure 2 : | · · · · · · · · · · · · · · · · · · · | | | |
| | - - | | | |

Bridge Inspection & Maintenance System (Web 2005)

| Structure Usage | | | | | | | |
|------------------------|------|-----|--------------------------|--|--|--|--|
| | Last | Now | Explanation of Condition | | | | |
| Channel General Rating | | 3 | | | | | |

| | | Mainte | nance Recommendations | | | | | |
|---|--------------|---------------------------|---------------------------|-------------------------------|---|-----------|-------|--|
| Inspector Recommendations | Year | Inspector Comments | Department Com | nments | Target Year | Est. Cost | Cat # | |
| SHOTCRETE REPAIRS | | | | | 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | |
| PLACE ADDITIONAL RIP RAP | 2010 | 50m3/class 1 | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | 3 | | | | | | | |
| INSTALL STRUTS | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUT | OFF | | | | | | | |
| REPAIR SEAMS | | | | | | | | |
| OTHER ACTION | | Re-align channel & riprap | it inlet | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| OTHER ACTION | | | | | | | | |
| Structural Condition Rating (Last/N | low) 77.8/77 | 7.8 Sufficiency Rati | ng (Last/Now) 65.0/65.1 | Est. Repl. Yr 2026 | Maint. Re | qd. (Y/N) | Yes | |
| Special Monitor West emb Comments for Next Inspection | ankment. | | Department Comments | | | | | |
| Maintenance Reviewed By | | | Date | | Estimated Tota | I 0 | | |
| Proposed Long-Term Strategy | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | |
| Proposed Action | | | | | | | | |
| Previous Inspector's Name Brian Pientsch Previo | | | Previous Assistant's Name | Assistant's Name Tim Miskiman | | | | |
| Next Inspection Date | 28-Feb-2014 | | Previous Inspection Date | Inspection Date 24-Jul-2007 | | | | |
| | | | | | | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | | |