| | | | | | _14'4'4' | | | | | | | | |
|---|--|---|---------------------------------------|--------------|--|--|---|--|--|-----------------------|-----------|--|--|
| Bridgo Eilo Nun | mbor | or 79977 4 Bridge Cultivert | | | | Bridge Culvert | | | CUL1 | | | | |
| Bridge File Number 78877 -1 Bridge Culvert | | | | ert | | | Form Typ | pe | | | | | |
| Year Built 1977 Bridge or Town Name MILLARVILLE | | | | | | | Lot No. | | Colvin Reharts | | | | |
| | | | | | Inspector Name Inspector Class | | Calvin Roberts | | | | | | |
| Located Over TRAIL-ANIMAL, OVER | | | | :R 5P | R SP | | | | BR CLS B | | | | |
| Located On 549:02 C1 4.994 | | | | | | | Assistant Name | | | | | | |
| Water Body Cl./Year | | | | | | | Assistant Class | | | | | | |
| Navigabil. Cl./Y | | | | | | | Inspection Date | | 30-Jan-2013 | | | | |
| Legal Land Loc | | | C 3 TWP 21 F | RGE 4 W5M | | | Data Entry By | | Lauren Korte | | | | |
| Longitude, Latitude -114:28:53 | | | :53, 50:45:06 | 53, 50:45:06 | | | | try Date | 01-Mar-2013 | | | | |
| - | | | Transportatio | n (AIT) | | | Reviewer Name | | Garry Roberts | | | | |
| Contract Main. | Area | CMA27 | | | | | Review Date | | 03-Feb-2013 | | | | |
| Clear Roadway | //Skew | 9.1 / | | | | | Dept. Reviewer Name | | Tim Davies | Tim Davies | | | |
| AADT/Year | | 200 / 20 | 011 (A) | | | | Dept. Review Date | | 04-Mar-2013 | | | | |
| Road Classifica | ation | RCU-20 | 09-110 | | | | Follow-Up By | | | | | | |
| Detour Length | (km) | 50 | | | | | | | | | | | |
| Bridge Culvert | t Inform | ation | | | | | | | | | | | |
| Number of Culv | verts | | 1 | | | | | | | | | | |
| Pipe # | Barrel | | Span | Rise (or D | Dia.) | Туре | L | _ength | Corr. Profile | Pl./Slab Thickness | Shape | | |
| 1 | MAIN | | - | 2100 | | MP | 2 | 26.9 | 68X13 | 3.0 | ROUND | | |
| Special Feature | es | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | Po | sting In | nformatio | on | | | | | |
| Required Vert. | Clearan | ce Posti | ing (m) | | Po | sting In | nformatio | on | | | | | |
| · | | | | | Po | sting In | nformatio | on | | | | | |
| Posted Vertical | l Clearar | nce (Y/N | 1) | In Adva | | | nformation | | On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane | l Clearar NB | On E | | In Adva | | | | | On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane | l Clearar | On E | 1) | In Adva | ınce (| Y/N) | Lar | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks | NB Not re | On E | 1) | In Adva | ınce (| Y/N) | | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme | NB Not ree | On Equired. | 1) | In Adva | ınce (| Y/N) | Lar | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme | NB Not recents North | On Equired. | Bridge (m) | In Adva | ınce (| Y/N) | Lar | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power | NB Not ree | On Equired. | Bridge (m) | In Adva | ınce (| Y/N) | Lar Ocated at Gas Municipa | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others | NB Not recents North | On Equired. | Bridge (m) | In Adva | ınce (| Y/N) | Lar | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others | NB Not recents North | On Equired. | Bridge (m) | | unce (| Y/N) | Case Municipa Problem | ne SB (| On Bridge (m) | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others | NB Not recents North | On Equired. | Bridge (m) | App | unce (' Uti | Y/N) lities (L | Cas Municipa Problem | ne SB (| | In Advar | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks | NB Not recents North | On Equired. | Bridge (m) | App | unce (| Y/N) | Gas Municipa Problem I / Emban Explana | ne SB (| | | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align | NB Not recents North | On Equired. | Bridge (m) | App | unce (Uti proac Last | Y/N) lities (L | Gas Municipa Problem I / Emban Explana | ne SB (| ition | | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align | NB Not recents North | On Equired. | Bridge (m) | App | unce (* Uti proac Last 6 | Y/N) lities (L | Gas Municipa Problem I / Emban Explana | ne SB (| ition | | nce (Y/N) | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks | NB Not recents North | On Equired. | Bridge (m) | App | unce (* Uti proac Last 6 | Y/N) lities (L | Gas Municipa Problem I / Emban Explanat Intersecti | ne SB (at) al (Y/N) No nkment ation of Cond tion with 330 A | ition | st. | | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme | NB Not recents North North | On Equired. | Bridge (m) | App | unce (* Uti proac Last 6 | Y/N) lities (L | Gas Municipa Problem I / Emban Explanat Intersecti | ne SB (at) al (Y/N) No nkment ation of Cond tion with 330 A | ition Ave. 110 m Wes | st. | | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width | NB Not recents North North | On Equired. | aridge (m) | App | unce (Uti proac Last 6 6 | Y/N) lities (L h Road Now 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti | ne SB (al (Y/N) No nkment (tion of Condition with 330 and (tion wit | ition Ave. 110 m Wes | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width | NB Not recents North North North North North North | On Equired. | Bridge (m) uth R/W. 9.100 | App | unce (* Uti proac Last 6 | Y/N) lities (L | Gas Municipa Problem I / Emban Explanat Intersecti | ne SB (al (Y/N) No nkment (tion of Condition with 330 and (tion wit | ition Ave. 110 m Wes | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width Embankment Sideslope (| NB Not recents North North North h (m) | once (Y/N On Equired. | aridge (m) | App | unce (Uti proac Last 6 6 | Y/N) lities (L h Road Now 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. | ne SB (al (Y/N) No nkment (tion of Condition with 330 and (tion wit | ition Ave. 110 m Wes pipe @ south en | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width Embankment Sideslope (| NB Not recents North | once (Y/N On Equired. | 9.100 | App | unce (Uti proac Last 6 6 | Y/N) lities (L h Road Now 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. 3:1 from | ne SB (al (Y/N) No nkment (tion of Condition with 330 and the crown) road to crown | ition Ave. 110 m Wes pipe @ south en | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width Embankment Sideslope (| NB Not recents North | once (Y/N On Equired. | Bridge (m) uth R/W. 9.100 | App | unce (Uti proac Last 6 6 | Y/N) lities (L h Road Now 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. | ne SB (al (Y/N) No nkment (tion of Condition with 330 and the crown) road to crown | ition Ave. 110 m Wes pipe @ south en | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width Embankment Sideslope (| NB Not recents North North North nment h (m) -:1) over(m): | once (Y/N On Equired. and Source (ROW. | gridge (m) uth R/W. 9.100 3.0 Yes | App | unce (Uti proac Last 6 6 | Y/N) lities (L h Road Now 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. 3:1 from | ne SB (al (Y/N) No nkment (tion of Condition with 330 and the crown) road to crown | ition Ave. 110 m Wes pipe @ south en | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignma Roadway Width Embankment Sideslope (| NB Not recents North North North nment h (m) -:1) over(m): | once (Y/N On Equired. and Source (ROW. | gridge (m) uth R/W. 9.100 3.0 Yes | App | unce (*) Util proac Last 6 6 | Y/N) lities (L Now 6 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. 3:1 from | ne SB (al (Y/N) No nkment (tion of Condition with 330 and the crown) road to crown | ition Ave. 110 m Wes pipe @ south en | st. nd guardrail @ | north | | |
| Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (| NB Not recents North | once (Y/N On Equired. and Source (ROW. | gridge (m) uth R/W. 9.100 3.0 Yes | App | unce (* Util proac Last 6 6 | Y/N) lities (L Now 6 6 6 | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. 3:1 from North sid | ne SB (al (Y/N) No nkment (tion of Condition with 330 and the crown) road to crown | ition Ave. 110 m Wes pipe @ south en aterial blocking on. | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (| NB Not recents North | once (Y/N On Equired. and Source (ROW. | gridge (m) uth R/W. 9.100 3.0 Yes | App | unce (* Util proac Last 6 6 | Y/N) Litties (Labeled Amount of the Control of the | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. 3:1 from North sid | ne SB (it) al (Y/N) No nkment ition of Cond tion with 330 A at @ sides of pe slid and maroad to crowled | ition Ave. 110 m Wes pipe @ south en aterial blocking on. | st. nd guardrail @ | north | | |
| Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope ((Height of Co Guardrail (Y/N) Approach Roa | NB Not remember North No | and Sou ROW. | 9.100 Yes ath General Ra | App | unce (* Util proac Last 6 6 | Y/N) Litties (Labeled Amount of the Control of the | Gas Municipa Problem I / Emban Explanat Intersecti Cut to 1: Side slopend. 3:1 from North side Explanate Morth side Am End Explanate | ne SB (it) al (Y/N) No nkment ition of Cond tion with 330 A at @ sides of pe slid and maroad to crowled | ition Ave. 110 m Wes pipe @ south en aterial blocking on. | st. nd guardrail @ | north | | |

| | | | Upstre | am End |
|---|---------------------|----------|------------|--|
| Culvert Component | | Last | Now | Explanation of Condition |
| Collar | | X | X | |
| Wingwalls | | Х | Х | |
| (Shape:) | | | | |
| Cutoff Wall | | X | X | |
| Bevel End | | Х | Х | |
| Heaving (mm) | 150 | | | |
| Invert Above/Below Stream Bed | ABOVE | | | |
| Above/Below (mm) | 100 | | | |
| Scour Protection | | 7 | N | Snow covered. |
| (Type: NATURAL) | | | | |
| (Avg. Rock Size(mm):) | | | | |
| Scour/Erosion | | 7 | N | |
| Beavers (Y/N) | No | | | |
| Upstream End General Rating | | 7 | N | P.R 7. |
| | | | | |
| Culvert Commonent | | | Now | Ivert Barrel |
| Culvert Component (Pipe # : 1, Primary Span, Loca | tion Code: MAIN Sna | | | Explanation of Condition |
| Barrel Last Accessible Date | 30-Jan-2013 | <u> </u> | <i>)</i> . | , Rise (mm): 2100, Type: MP) |
| Barrer Last Accessible Date | 30-Jan-2013 | | | |
| Special Features | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Roof | T | 7 | 7 | |
| Measured Rise (mm) | 2170 | | | |
| Measured At Ring No. | 2 | | | |
| Sag (mm) | 70 | | | |
| Percent Sag | 3 | | _ | |
| Sidewall | T | 7 | 7 | |
| Measured Span (mm) | 2186 | | | |
| Measured At Ring No. | 1 | | | |
| Deflection (mm) | 86 | | | |
| Percent Deflection | 4 | | | |
| Floor | 1 | 5 | 5 | Considerable rust with flaking and pitting @ haunches. |
| Bulge (mm) | 0 | | | 100mm silt on the floor. |
| Measured At Ring No. | | | | |
| Abrasion (Y/N) | No | | | |
| Circumferential Seams | 1 | 6 | 6 | |
| Separation (mm) | 135 | | | |
| Longitudinal Seams | T | X | X | |
| Total No. of Cracked Rings | 0 | | | |
| Total No. of Rings with Two Cracked Seams | 0 | | | |
| Min. Remaining Steel Between Cracks (mm) | 0 | | | |
| Proper Lap (Y/N) | | | | |
| Longitudinal Stagger (Y/N) | | | | |

| | | Brid | dge Cu | Ivert Barrel | | | | |
|---|----------------------|-------|---------|---|--|--|--|--|
| Culvert Component | | Last | Now | · • | | | | |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): | , Rise (mm): 2100, Type: MP) | | | | |
| Coating | | 4 | 4 | Corrosion scaling with pitting @ haunces and floor. | | | | |
| Corrosion By Soil (Y/N) | No | | | | | | | |
| Corrosion By Water (Y/N) | Yes | | | | | | | |
| Camber POS/ZERO/NEG | ZERO | | | | | | | |
| Ponding (Y/N) | No | | | | | | | |
| Fish Passage Adequacy | | Х | Х | | | | | |
| Baffle | | Х | Х | | | | | |
| (Type:) | | | | | | | | |
| Waterway Adequacy | | 5 | X | | | | | |
| Icing (Y/N) | No | | | | | | | |
| Silting (Y/N) | No | | | | | | | |
| Drift (Y/N) | No | | | | | | | |
| Barrel General Rating | | 7 | 7 | | | | | |
| | | D | ownstr | ream End | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | |
| Direction | | | | South. | | | | |
| End Treatment (Concrete, Steel, Others, None) | NONE | | | | | | | |
| Headwall | | X | X | | | | | |
| Collar | | Х | X | | | | | |
| Wingwalls | | Х | Х | | | | | |
| (Shape:) | | | | | | | | |
| Cutoff Wall | | Х | X | | | | | |
| Bevel End | | Х | Х | | | | | |
| Heaving (mm) | 0 | | | | | | | |
| Invert Above/Below Stream Bed | ABOVE | | | | | | | |
| Above/Below (mm) | 2000 | | | | | | | |
| Scour Protection | | 6 | N | Snow covered. | | | | |
| (Type : NATURAL) | | | | | | | | |
| (Avg. Rock Size(mm):) | | | | | | | | |
| Scour/Erosion | | 6 | N | | | | | |
| Beavers (Y/N) | No | | | | | | | |
| Downstream End General Rating | | 6 | N | P.R 6. | | | | |
| | | S | Structu | re Usage | | | | |
| | | | Now | Explanation of Condition | | | | |
| Grade Separation | | | | | | | | |
| Road Alignment | | Х | Х | | | | | |
| Roadway Surface | | 6 | 6 | | | | | |
| | | | | | | | | |
| (Type:) | | | | | | | | |
| Icing (Y/N) | No | | | | | | | |

| Structure Usage | | | | | | | | |
|---------------------------------|--------|------|-----|--------------------------|--|--|--|--|
| | | Last | Now | Explanation of Condition | | | | |
| Traffic Safety Features | | X | X | | | | | |
| Туре | e NONE | | | | | | | |
| Lighting | | X | X | | | | | |
| Barrel Leakage (Y/N) No | | | | | | | | |
| Drainage | | 5 | 5 | | | | | |
| Structure In Use (Y/N) | No | | | | | | | |
| Grade Separation General Rating | | | 5 | | | | | |

| | | Maintenanc | e Recommendat | tions | | | | | |
|--|---------------|------------------------------|---------------|------------------------|---------------|------|----------------|-----------|-------|
| Inspector Recommendations | Year | Inspector Comments | | Department Comr | ments | | Target Year | Est. Cost | Cat # |
| SHOTCRETE REPAIRS | | <u> </u> | | • | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | | | | | | | | | |
| INSTALL STRUTS | | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUTO | OFF | | | | | | | | |
| REPAIR SEAMS | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| Structural Condition Rating (Last/No. (%) | ow) 77.8/77 | .8 Sufficiency Rating (L (%) | ast/Now) 68 | 3.2/77.3 | Est. Repl. Yr | 2025 | Maint. Re | qd. (Y/N) | No |
| Special Comments for Next Inspection | | |] | Department Comments | | | | | |
| Maintenance Reviewed By | | | 1 | Date | | E | Estimated Tota | I 0 | |
| Proposed Long-Term Strategy | | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | | |
| Proposed Action | | | | | | | | | |
| Previous Inspector's Name | Garry Roberts | | Previous As | ssistant's Name | | | | | |
| Next Inspection Date | 30-Apr-2016 | | Previous Ins | spection Date | 01-Oct-2009 | | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | | | |
| Comment | | | | | | | | | |