

**Title \*** Bookwalter STO-78-0.56  
**Culvert/Bridge Number** STO-78-0.56  
**Geo Location** 39.717114354855184 -83.5239451378584  
**General Appraisal** 4 Poor condition - advanced section loss, deterioration, or spalling  
**Span Size** 6 feet  
**Culvert Length** 25 feet  
**Size of Culvert** 5x6 box/arch  
**Type Culvert** Concrete

### Conduit

**Level of Inspection** M- MANNED ENTRY INSPECTION  
**Material** 4 POOR  
**Conduit Alignment** 6 SATISFACTORY  
**Shape** 7 GOOD  
**Seams and Joints** 7 GOOD  
**Slab** 6 Satisfactory Hairline map cracking combined with molted areas. Cracks less than 1/8 inch parallel to traffic with minor efflorescence or minor amounts of leakage.  
**Abutments** 4 POOR  
**Headwalls** 3 Serious Map cracking with dark, damp, effloresces, and unsound concrete over 40% of wall face. Several transverse cracks open more than 1/4 inch with efflorescence and rust staining.  
**End Structure**

### Channel

**Channel Alignment** 8 Very Good Channel has straight alignment for more than 100 feet upstream. Flow hits protective materials placed to protect conduit material.  
**Conduit Waterway Blockage** 8 Very Good Minor amounts of sediment build-up with no appreciable loss of opening.  
**Scour** 4 Poor Significant scour holes, 3 feet or less deep, developing at inlet or outlet. Does not appear to be undermining cutoff walls or headwalls. Bottom of footing is exposed.  
**Channel Projection** 7 Good Channel bank(s) beginning to slump. Embankment protection has minor damage. Bank protection needs minor repairs.

### Approaches

**Pavement** 7 Good Minor problems: Raveling, hairline or map cracking. No settlement.  
**Guardrail** 4 Poor Misalignment of up to 6 posts in a row with significant settlement and rotation.  
**Embankment** 4 Poor Major erosion caused by drainage or channel. Evidence of foundation settlement. Erosion to embankment impacting guardrail performance or encroaching on shoulder.  
**Comments** Major scour to concrete inside arch. Erosion to bank near pavement.  
**Owner** Rapp, Aaron  
**Completed DateTime** 01/27/2025 12:00:00 AM  
**Request Category** Culvert Inspection  
**Group** Ops-Drainage  
**Request Status** 5 - Closed