

4969 Tranham Road Culvert Replacement

Existing Conditions

Description:

The culvert structure consists of two (2) 20.5' long 21"x15" CMP(s) located adjacent to the feature address, 4969 Tranham Road. There is an area of shoulder failure near the culvert inlet that has since been patched. The corrugated metal pipe has areas of heavy surface corrosion, section loss, seam separation, and partial pipe collapse. The roadway over the culvert has settled and had been patched several times in the past. Additionally, the inlet is completely buried with sediment and debris. It was observed that water is currently flowing over the roadway at multiple locations.

Spans: 2

Length: 20.5'

Width: 21"

Rise: 15"

Reasons for replacement:

- ✓ 100% Section Loss
- ✓ Crushed Pipe Inlet
- ✓ Collapsed CMP
- ✓ Roadway Failure



Buried Culvert Inlet



Section Loss & Pipe Collapse



Pavement Settlement/Failure

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Proposed Conditions

Description:

The proposed culvert construction will include two 30"x19" reinforced concrete pipes, reinforced concrete headwalls, roadway reconstruction, and site restoration to ensure proper functionality.

Spans: 2

Length: 40'

Width: 30"

Rise: 19"

Opinion of Probable Cost: \$150,000

Anticipated Construction Duration: 2 Weeks

Anticipated Schedule for Construction:

November 28th through December 9th

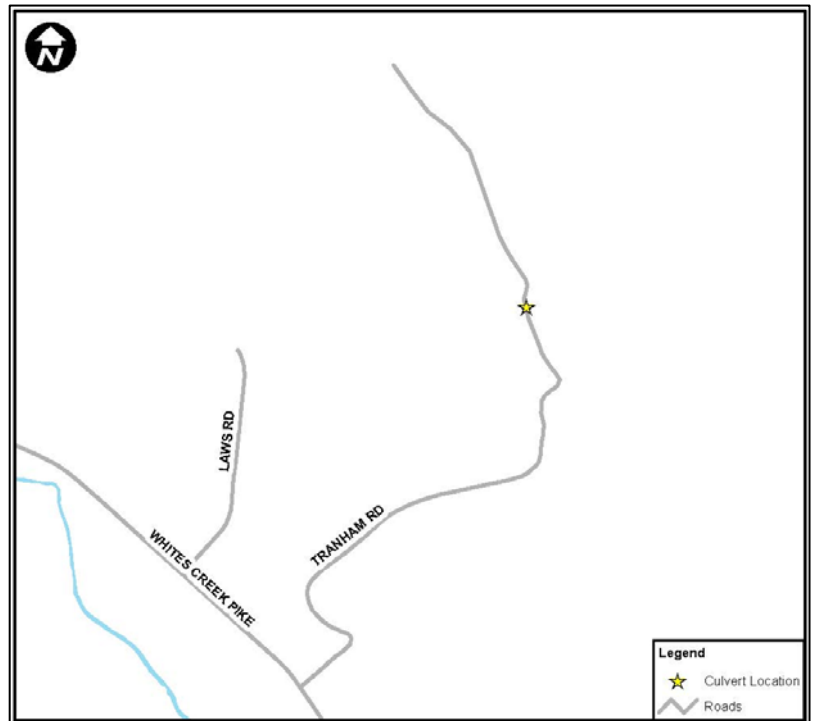
Intermittent Lane Closures:

November 28th through December 9th

Project Status: Ready for construction

Construction Challenges:

- ✓ Traffic Control



Vicinity Map