

4345 Grays Point Road Culvert Replacement

Existing Conditions

Description:

The culvert is located approximately 310' east of the featured address, 4345 Grays Point Road. The culvert consists of a single 18" CMP. The CMP shows minor to moderate corrosion at the inlet with an area of partial pipe collapse. There is a 6' long section of pipe at the outlet with 100% section loss. The section loss is more than likely responsible for the shoulder failure. The pavement over the culvert has areas of large transverse and longitudinal cracks, as well as potholes located in the center of the roadway.

Spans: 1

Length: 41.5'

Width: 18"

Rise: 18"

Reasons for replacement:

- ✓ 100% Section Loss
- ✓ Embankment Failure
- ✓ Pavement Settlement
- ✓ Collapsed CMP



Embankment Failure



Partial Pipe Collapse



Pavement Settlement & Cracks

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Proposed Conditions

Description:

The proposed culvert construction will include an 18" reinforced concrete pipe, reinforced concrete headwalls, roadway reconstruction, and site restoration to ensure proper functionality.

Spans: 1

Length: 41.5'

Width: 18"

Rise: 18"

Opinion of Probable Cost: \$130,000

Anticipated Construction Duration: 2 Weeks

Anticipated Schedule for Construction:

December 14th through December 30th

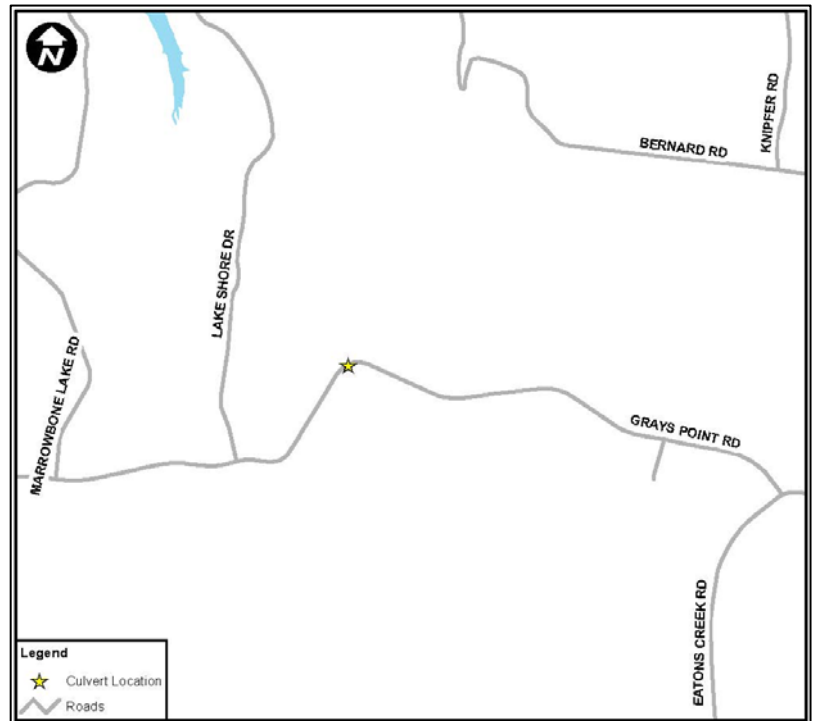
Intermittent Lane Closures:

December 14th through December 30th

Project Status: Ready for construction

Construction Challenges:

- ✓ Traffic Control
- ✓ Depth of Excavation
- ✓ Shear Outlet Embankment



Vicinity Map