

2310 Antioch Pike Culvert Rehabilitation

Existing Conditions

Description:

The culvert structure consists of a 34.5' long 48" CMP culvert located adjacent to the feature address, 2310 Antioch Pike. The outlet headwall has failed and is threatening to destabilize the embankment. The corrugated metal pipe has areas of heavy surface corrosion along the invert with areas of section loss, and minor seam separation.

Spans: 1

Length: 34.5'

Width: 48"

Rise: 48"

Reasons for Rehabilitation:

- ✓ Roadway Settlement
- ✓ Pipe Seam Separation
- ✓ Pipe Section Loss
- ✓ Embankment Destabilization



Headwall Failure w/ Steel Road Plate



Section Loss

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Proposed Conditions

Description:

The proposed culvert rehabilitation will include isolating the upstream and downstream channels, installing a cementitious lining through the CMP, and reinforced concrete headwalls at the inlet and outlet as well as site restoration and minor roadway reconstruction.

Spans: 1

Length: 42.5'

Width: 48"

Rise: 48"

Opinion of Probable Cost: \$100,000

Anticipated Construction Duration: 2 Days

Anticipated Schedule for Construction:

October 22nd through October 23rd

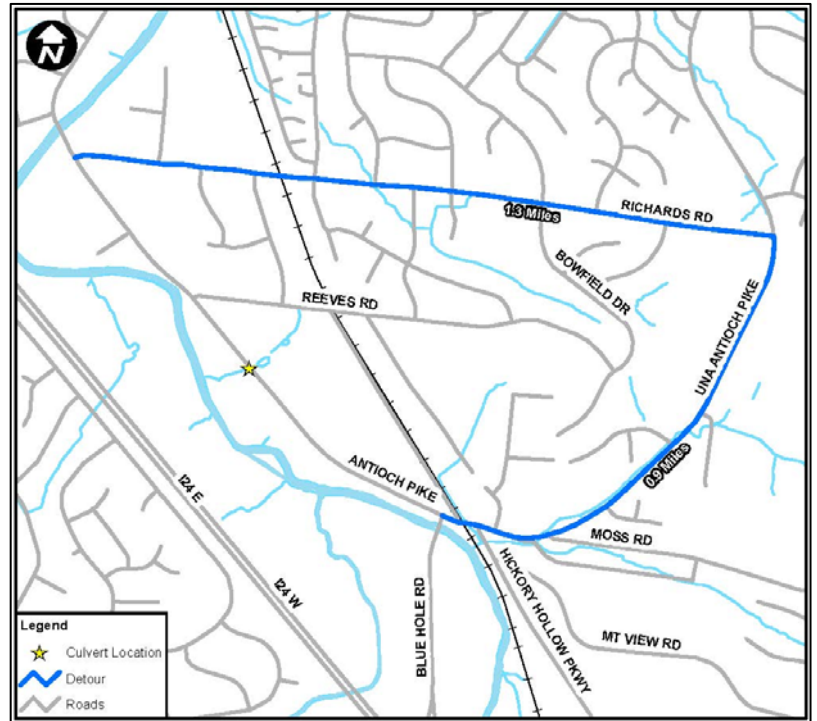
Anticipated Road Closures:

October 22nd through October 23rd

Project Status: Ready for construction

Construction Challenges:

- ✓ Site Maintenance
- ✓ Stormwater Management



Detour Map