

Heath Road @ Hwy 70 Culvert Rehabilitation

Existing Conditions

Description:

The subject culvert is located in a residential/rural road with Light traffic volume, a 30 mph speed limit and one approximately 22' wide lanes conveying traffic in the east and west directions. The culvert is located adjacent to Hwy 70 on Heath Road. The culvert consists of an approximately 45' long 18" CMP. The corrugated metal pipe shows heavy surface corrosion and minor areas of section loss. Additionally, there are areas of asphalt cracking and weathering. The culvert inlet has an area of washout that is threatening to undercut the road; the upstream channels have vegetation and debris that is threatening to block flow through the culvert.

Spans: 1

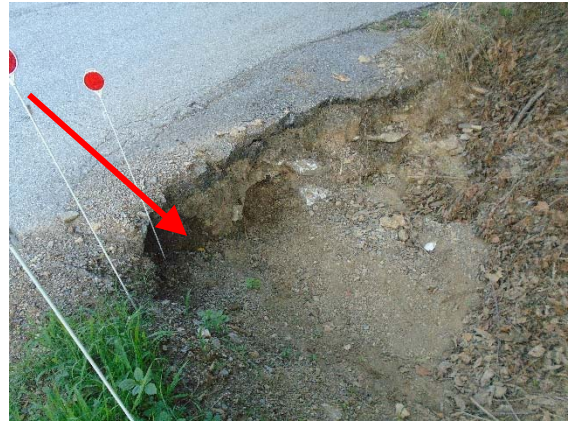
Length: 45'

Width: 18"

Rise: 18"

Reasons for replacement:

- ✓ Serious Embankment Erosion
- ✓ 100% Section Loss
- ✓ Pipe deformation



Culvert Inlet w/ Roadway Washout



Heavy Corrosion w/ Areas of Section Loss



Culvert Outlet

Heath Road @ Hwy 70 Culvert Rehabilitation

Proposed Conditions

Description:

In order to rehabilitate the culvert, we will be lining the corrugated metal pipe (CMP) with a ridged polymer liner, removing vegetation from the culvert features, regrade the upstream channel, and installing a reinforced concrete headwall at the inlet. This will structurally rehabilitate the culvert and give additional service life to the asset. Additionally, by using a trenchless construction method, we will be reducing the impact and duration of the project to the residence and commuters.

Spans: 1

Length: 50'

Width: 18"

Rise: 18"

Opinion of Probable Cost: \$45,000

Anticipated Construction Duration: 1 Weeks

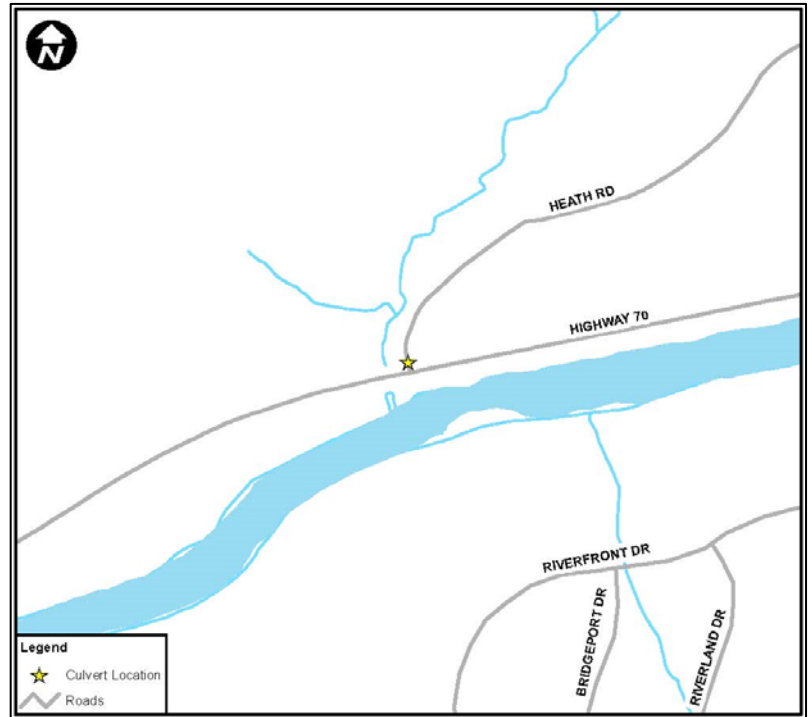
Anticipated Schedule for Construction:

August 1st through August 5th

Intermittent Lane Closures:

August 1st through August 5th

Project Status: Ready for construction



Vicinity Map