

442 Ewing Lane Culvert Replacement

Existing Conditions

Description:

The culvert inlet is located adjacent to the feature address, 442 Ewing Lane. The existing culvert consists of a 36' long 18" CMP with no headwalls. The corrugated metal pipe shows mild surface corrosion with isolated areas of 100% section loss. A section of the pipe had collapsed under the roadway causing roadway failure. The pipe was temporarily patched and the hole in the roadway was secured with flowable fill. The inlet and outlet are partially buried due to sediment buildup. The pavement has settled and there are areas of large transverse cracks.

Spans: 1

Length: 36'

Width: 18"

Rise: 18"

Reasons for Replacement:

- ✓ Roadway Failure
- ✓ Roadway Settlement
- ✓ Pipe Section Loss
- ✓ Partial Pipe Collapse



Patched Roadway Failure



100% Section Loss



Roadway Settlement

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Proposed Conditions

Description:

The proposed culvert replacement will include the installation of an 18" reinforced concrete pipe and reinforced concrete headwalls as well as site restoration and roadway reconstruction.

Spans: 1

Length: 36'

Width: 18"

Rise: 18"

Opinion of Probable Cost: \$91,000

Anticipated Construction Duration: 7 Days

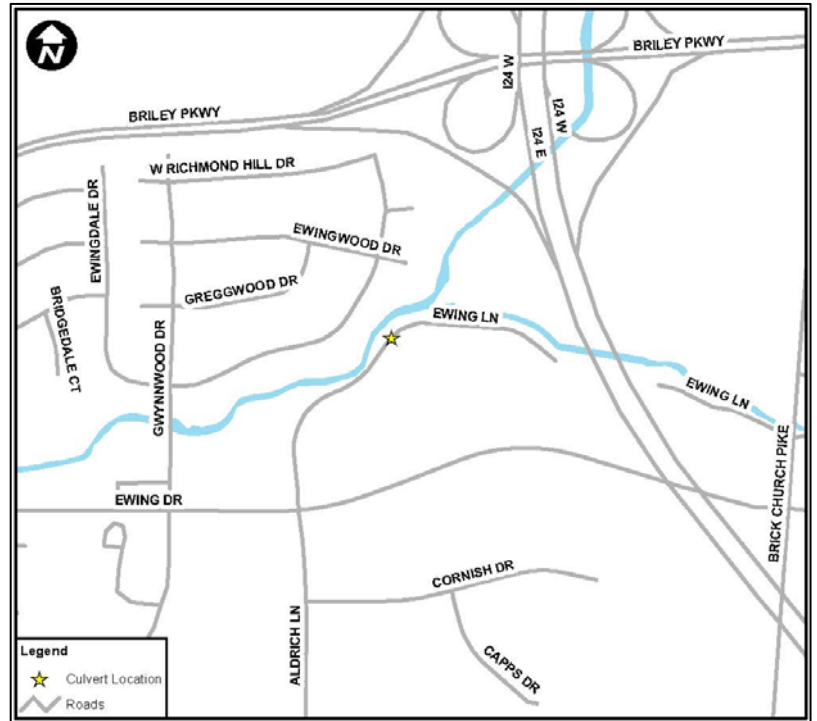
Anticipated Schedule for Construction:
September 19th through September 27th

Anticipated Intermittent Lane Closures:
September 19th through September 27th

Project Status: Ready for construction

Construction Challenges:

- ✓ Site Maintenance
- ✓ Stormwater Management



Vicinity Map