

2926 Melvin Road Culvert Replacement

Existing Conditions

Description:

The culvert inlet is located approximately 200' north of Central Pike on Melvin Road. The existing culvert consists of a 24' long 16'x7' Stacked Stone & Steel Girder Slab Bridge. The pavement over the culvert area shows a longitudinal area of map cracking, and various transverse cracking throughout. The steel girders show areas of section loss. There are rotten timbers atop the steel girders. The abutment walls have areas of scour as well as mortar loss.

Spans: 1

Length: 24'

Width: 16'

Rise: 7'

Reasons for Rehabilitation:

- ✓ Roadway Cracking & Settlement
- ✓ Scour
- ✓ Section Loss Along Steel Girders
- ✓ Mortar Loss
- ✓ Rotten Timber Frame



Pavement Cracking & Settlement



Section Loss along Steel Girders



Scour Under Abutment Wall

2926 Melvin Road Culvert Replacement

Proposed Conditions

Description:

The proposed culvert replacement shall include the installation of a 46.5' long 18'x9.5' Slab Bridge with reinforced concrete wingwalls. Additionally, the project will require a phased construction plan in order to maintain a lane of traffic throughout the project duration. Additionally, the project will require the relocation of a water main and service lines.

Spans: 1

Length: 46.5'

Width: 18'

Rise: 9.5'

Opinion of Probable Cost: \$800,000

Anticipated Construction Duration: 6 Month

Anticipated Schedule for Construction:

December 4th through June 1st

Anticipated Lane Closure:

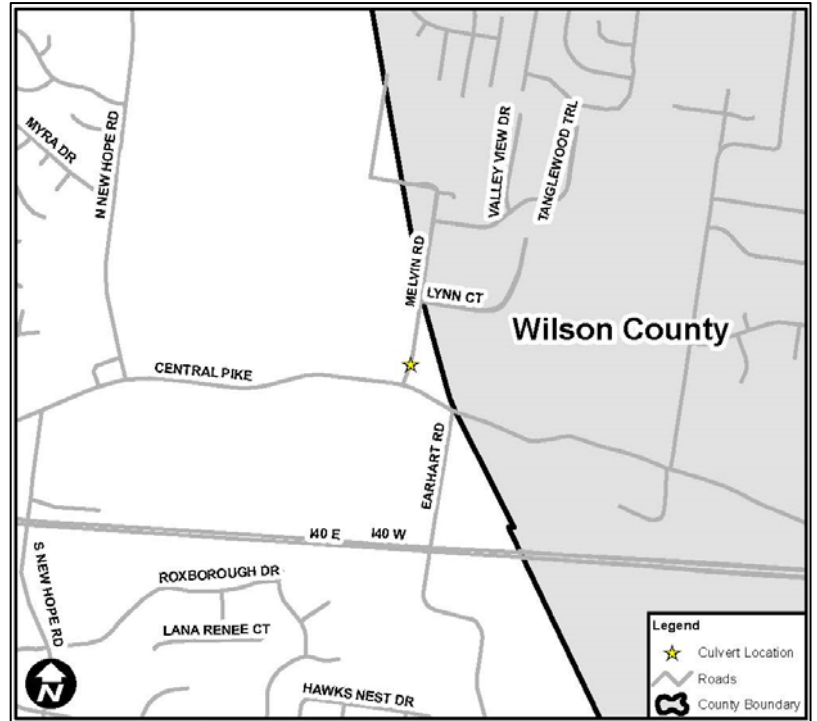
December 4th through June 1st

(Phased Construction – One Lane of Traffic will be Open throughout the Project Duration)

Project Status: Ready for construction

Construction Challenges:

- ✓ Utility Relocation
- ✓ Site Maintenance
- ✓ Stormwater Management



Vicinity Map