

3007 Lakeland Drive Culvert Replacement

Existing Conditions

Description:

The subject culvert is located in a residential area with Light traffic volume, 30 mph speed limit and two 11.5' wide lane conveying traffic in the east and west directions. The culvert is located approximately 10' east of the featured address, 3007 Lakeland Drive. The culvert consists of a 41' long 18" CMP with a catch basin and area drain at the outlet. The pavement at the approaches and over the culvert has settled and a steel road plate has been installed. The CMP has 100% section loss, pipe deformation, seam separation, and debris buildup throughout.

Spans: 1

Length: 41'

Width: 18"

Rise: 18"

Reasons for Rehabilitation:

- ✓ Roadway Settlement
- ✓ Section Loss
- ✓ Seam Separation
- ✓ Pipe Deformation
- ✓ Debris Buildup in Pipe



Roadway Settlement w/ Steel Road Plate



Pipe Deformation & Sediment Buildup



Culvert Inlet

3007 Lakeland Drive Culvert Replacement

Proposed Conditions

Description:

The proposed culvert replacement will include replacing the existing 18" CMP, installing an 18" reinforced concrete pipe (RCP), reinforced concrete inlet headwall, and tie into the existing outlet catch basin as well as site restoration and roadway reconstruction. The culvert replacement will also require the vertical adjustment of a water main.

Spans: 1

Length: 41'

Width: 18"

Rise: 18"

Opinion of Probable Cost: \$89,000

Anticipated Construction Duration: 2 Weeks

Anticipated Schedule for Construction:

October 31st through November 11th

Anticipated Intermittent Closures:

October 31st through November 11th

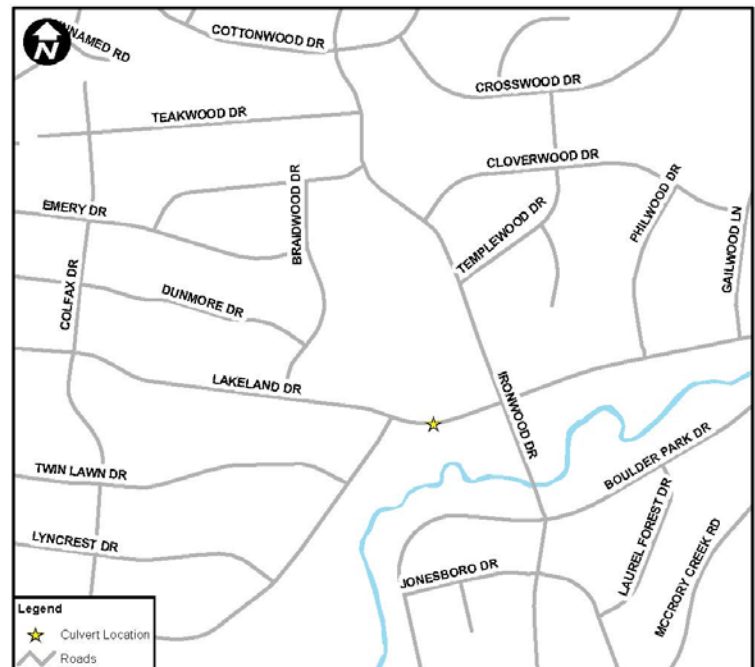
Project Status: Ready for construction

Construction Challenges:

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



Plan View



Detour Map