

SUMMARY OF FLOODPLAIN IMPACTS

Date: April 15, 2026

Project ID: LAK-Tyler Blvd Bridge (PID 122361)

Floodplain Affected: Special Flood Hazard Area Zone A associated with Ward Creek

Description of Project:

In coordination with the Ohio Department of Transportation (ODOT), the Lake County Engineer's Office proposes a bridge preservation project for two bridges (Bridge Site 1; Bridge Site 2) along Tyler Boulevard in the City of Mentor, Lake County, Ohio. The proposed work includes bridge replacements, as well as reconstruction of roadway approaches and installation of guardrail.

Bridge Site 1:

The existing structure over Ward Creek is a three (3) span continuous reinforced concrete slab supported by a capped pile substructure. A portion of this bridge is within a 100-year floodplain. The proposed structure is a single span composite prestressed concrete box beam bridge with semi-integral abutments on H-Pile foundations.

Bridge Site 2:

The existing structure over Unnamed Stream (Stream 1) is a two-span continuous reinforced concrete slab supported by reinforced concrete wall-type abutment and a pier. The proposed structure is a precast reinforced concrete box culvert. This bridge is not within a 100-year floodplain.

Why must this project be located in the Floodplain?

The project is necessary to preserve and extend the service life of the existing bridge over Ward Creek (Bridge Site 1) along Tyler Boulevard. The proposed improvements will provide preventative maintenance and maintain safe vehicular access across Ward Creek. The existing structure at Bridge Site 1 is located within the floodplain; therefore, construction activities must occur within the floodplain to maintain the existing crossing.

What alternative sites were considered, if any?

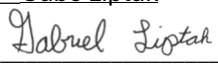
No other alternatives were considered for the Bridge Site 1. Because the crossing location is fixed at the existing roadway alignment, the proposed work must occur within the existing floodplain.

Were any mitigation measures utilized on this project? If so, please describe.

No mitigation measures were utilized on this project.

To the best of my knowledge, this project has complied with all applicable Local, State, and Federal Floodplain protection standards.

Print Name: Gabe Liptak

Signature: 

Title: Project Manager