

SUMMARY OF FLOODPLAIN IMPACTS

Date: December 21, 2023

Project ID: 117993

Floodplain Affected: Freed Ditch – FEMA Floodway Zone AE

Description of Project:

The Allen County Engineer's Office and Ohio Department of Transportation (ODOT) District 1 propose to replace the existing bridge (SFN 0249807) that carries County Road (CR) 142 (Breese Road) over the Freed Ditch located approximately 0.1 miles east of Interstate Route 75 in Shawnee Township, Allen County, Ohio. The existing 51 foot long steel beam bridge has been posted since 2013 and currently has a sufficiency rating of 29.4. Breese Road will remain closed at Freed Ditch for up to 120 days while construction takes place.

Why must this project be located in the Floodplain?

The project involves the removal and construction of a bridge, currently located in the Freed Ditch floodplain. Avoidance of work within the floodplain is unavoidable.

What alternative sites were considered, if any?

Work is to replace an existing structure and no other alternative sites were considered.

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

A Hydrology and Hydraulics Study was performed, comparing the existing structure to the proposed structure and shows a no-rise event for the 1% AEP.

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

Print Name: Doug Karhoff

Signature: Doug Karhoff

Title: Bridge Engineer