

SUMMARY OF FLOODPLAIN IMPACTS

Date: July 24, 2019

Project ID: GRE-TR 215-0.86 (PID: 108836)

Floodplain Affected: Shawnee Creek Tributary (Shawnee Run)-Zone AE-Panel 39165C0205E

Description of Project:

A Summary of Floodplain Impacts has been prepared for the GRE-TR 215-0.86 (PID 108836) project in the city of Xenia, Greene County, Ohio. The proposed work consists of replacing Bridge No. GRE COLUM 0020 (SFN: 2960370) which carries S Columbus Street (TR 215) over Shawnee Run with a pre-cast concrete four-sided box culvert.

Why must this project be located in the Floodplain?

The project must be located in a floodplain in order to replace the existing bridge. The existing bridge is situated within the floodplain and conveys Shawnee Run below S Columbus Street.

The existing bridge is deteriorated with a failing abutment on the northwest side of the structure. Repairs are needed to preserve the integrity of the structure and create a safer facility for the motoring public.

What alternative sites were considered, if any?

No alternative sites were considered since the bridge that will be replaced as part of the proposed project is already located within the floodplain.

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

No mitigation measures are currently proposed; however, the proposed culvert structure has been sized for a No-Rise condition for the 100 year rainfall event.






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

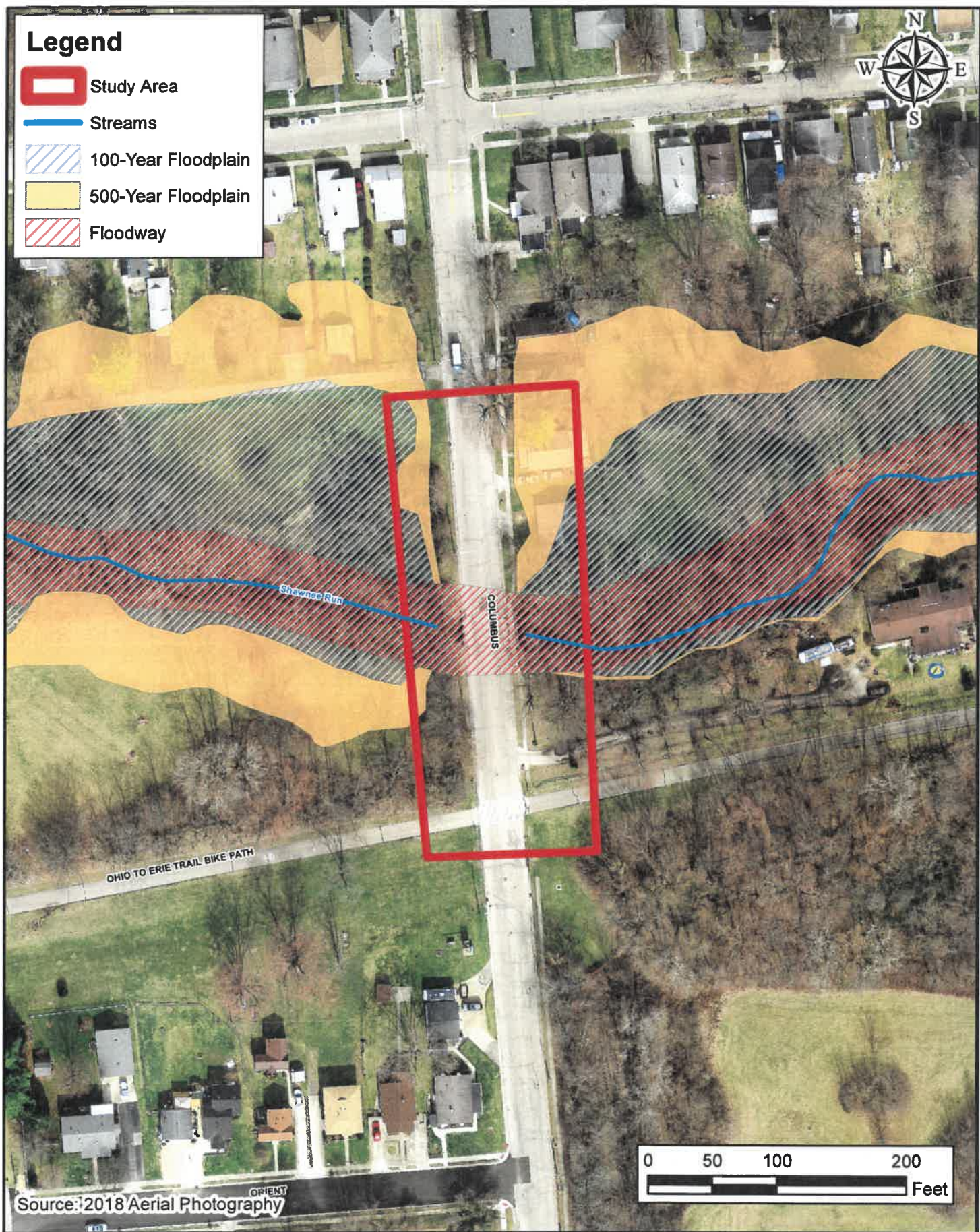
Print Name: Christopher A. Berger

Signature: Christopher A. Berger

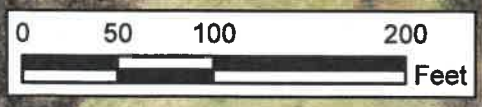
Title: Public Service Director/City Engineer

Legend

-  Study Area
-  Streams
-  100-Year Floodplain
-  500-Year Floodplain
-  Floodway



Source: 2018 Aerial Photography



FEMA 100-Year Floodplain Map

City of Xenia
Department of Engineering
101 North Detroit Street
Xenia, Ohio 45835

GRE-TR215-0.86 (PID 108836)

Location: Xenia
Township: Xenia
County: Greene
State: Ohio

Date: 04/16/2019