

## SUMMARY OF FLOODPLAIN IMPACTS

Date: May 1, 2019

Project ID: CRA-SR100-22.23 (PID 95577)

Floodplain Affected: Zone A of Sycamore Creek

### Description of Project:

This is an ODOT-let project located along State Route 100, approximately 660 feet east of SR 103 in Lykens Township, Crawford County, Ohio.

The existing structure is a 28' wide two span non-composite pre-stressed and precast concrete box beam bridge with an asphalt wearing surface. There are also reinforced concrete abutments on piles driven to bedrock. The bridge superstructure will be replaced with a new 32' wide pre-stressed concrete box beam bridge with a reinforced concrete deck. The existing abutments will be repaired and extended to accommodate the new superstructure. The pier caps will also be widened to accommodate the wider superstructure.

The project will require the permanent taking of 0.318-acre right-of-way from three parcels. Deep excavation will be required for the proposed work and utilities may be relocated because of the project. In accordance with the ODOT Office of Environmental Services' (OES) Regulated Materials Review (RMR) Screening, there are no regulated materials located on adjacent parcels. The land use on all three adjacent parcels is considered agricultural. Based on this information, the project is considered exempt from further RMR investigations.

Sycamore Creek will be temporarily impacted to conduct the work associated with this project. Additionally, one Category 2 emergent wetland (Wetland A) exist with the project construction limits. 0.03-acre of this wetland will be impacted to construct the new abutments, a ditch, and from grading. ODOT will obtain the appropriate waterway permit prior to any work below the ordinary high-water mark of the stream and prior to impacting Wetland A. A Wetland Finding Statement has been completed and uploaded to the project file.

There is no suitable wooded habitat for federally listed bat species located within the construction limits of this project. Therefore, no seasonal bat tree cutting dates will be required for this project.

On February 15, 2019, district environmental staff researched the State Historic Preservation Office database. A copy of the SHPO Records Check mapping has been uploaded to the project file. In accordance with Stipulation V(C)(1) and Appendix B of the Section 106 Programmatic Agreement executed on November 8, 2017 (Agreement No. 19319), ODOT-OES has determined that the proposed project is a type of undertaking that has 'minimal potential to cause effects' to historic properties and is not a part of a larger undertaking.

The Department has initiated contact with emergency and other public services and will continue to coordinate with these services throughout construction. The project will require a 120-day detour. The detour route will be split. Eastbound SR 103 traffic will use SR 231 southbound to US 30 eastbound to SR 19 northbound to SR 103. Westbound SR 103 traffic will use SR 19 northbound to US 224 westbound to SR 67 southbound to SR 103. Southbound 100 traffic will use SR 103 eastbound to SR 231 southbound to US 30 eastbound to SR 19 northbound to SR 100. Northbound 100 traffic will use SR 19 northbound to US 224 westbound to SR 67 southbound to SR 100. The construction start date is anticipated to be in calendar year 2022.

**Why must this project be located in the Floodplain?**

The project involves maintaining and preserving an existing functionally dependent roadway.

**What alternative sites were considered, if any?**

Work is to an existing bridge. No other alternative sites were considered.

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

No. The project will not need to utilize mitigation measures.

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

Print Name: Don Rostofer

Signature: *Donald E Rostofer*

Title: ODOT District 3 Environmental Coordinator

# National Flood Hazard Layer FIRMette



40°57'15.07"N



USGS The National Map: Orthoimagery. Data refreshed October, 2017.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

40°56'47.89"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/15/2019 at 3:18:19 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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