

SUMMARY OF FLOODPLAIN IMPACTS

Date: September 20, 2018

Project ID: MED-IR76-8.31 PID#108636

Floodplain Affected: Zone A/X, Holmes Brook

Description of Project: The proposed project is to replace a deficient culvert on Interstate Route 76 in Medina County at the 8.31 mile marker. The existing culvert is an 8'X416' corrugated metal pipe that was built in 1957. Due to the years of service and weathering conditions the structure is deteriorating and in need of emergency maintenance. The proposed method to repair the deficient culvert will be to place a plastic liner within the existing pipe on existing alignment. With the new liner in place grout will be pumped within the space between the old culvert and new liner to fill the voids. Rock channel protection will be placed at the outlet of the culvert to reduce future erosion issues.

Why must this project be located in the Floodplain?

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

What alternative sites were considered, if any?

Work is to an existing culvert, no other alternative sites were considered.

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

No. The work being performed is maintenance and not new construction.

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

Print Name: Levi Wingler

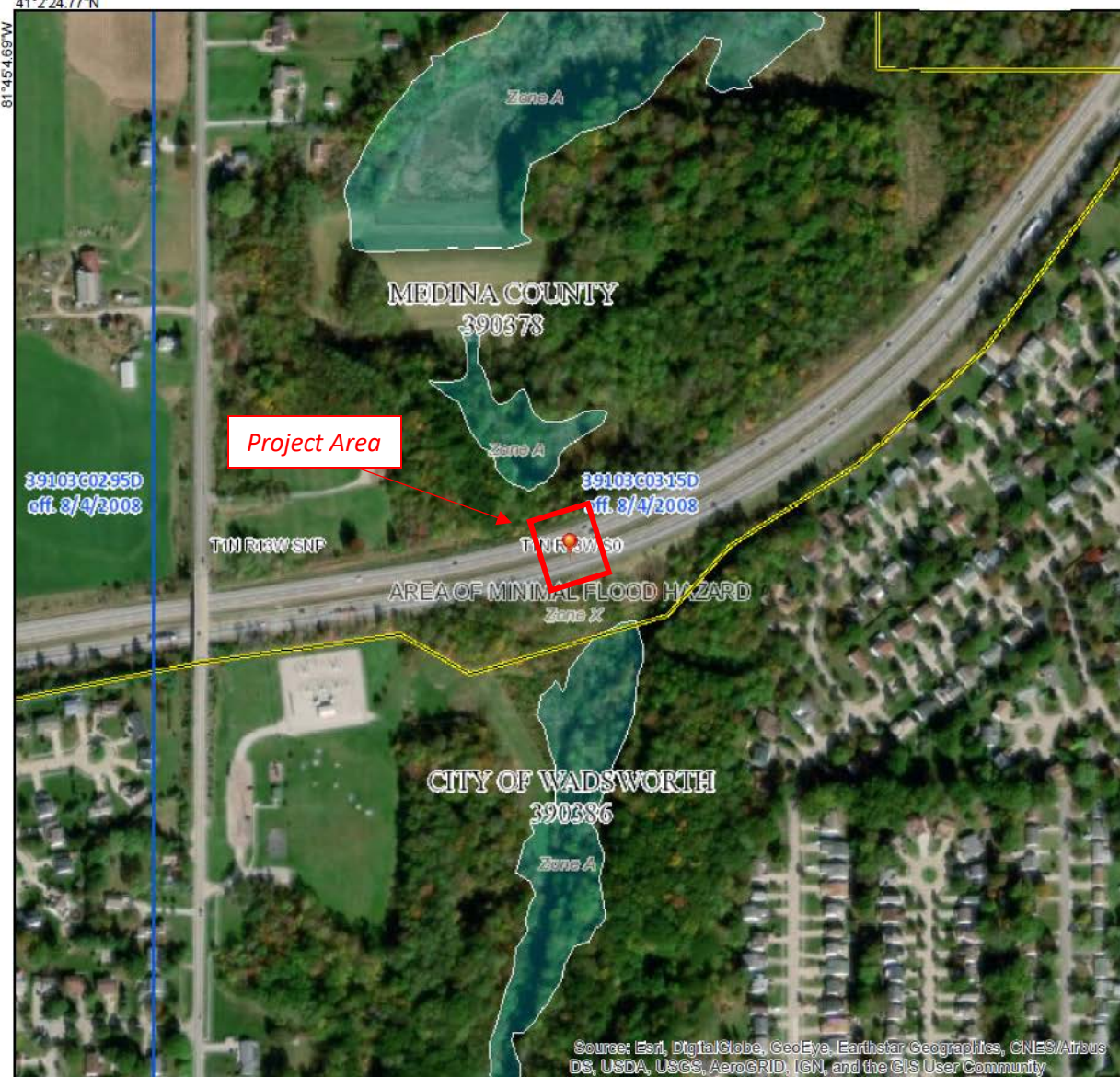
Signature: *Levi Wingler*
Title: District Environmental Specialist

National Flood Hazard Layer FIRMette



41°24.77'N

81°45.469'W



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1:6,000

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
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		Zone AE, AO, AH, VE, AR
		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
OTHER AREAS		Future Conditions 1% Annual Chance Flood Hazard
		Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
GENERAL STRUCTURES		Area with Flood Risk due to Levee
		Zone D
		Area of Minimal Flood Hazard
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard
		Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		Coastal Transect Baseline
OTHER FEATURES		Profile Baseline
		Hydrographic Feature
		Limit of Study
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2018 at 8:30:02 AM 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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