

Explanation:

National Pollutant Discharge Elimination System (NPDES) Facilities: One (1) NPDES facility is located within the 0.5-mile search radius. Summitville WWTP, located at 1450 N, SR 9, and 100 E, is located approximately 0.36 mile east of the project area. No impact is expected.

National Pollutant Discharge Elimination System (NPDES) Pipe: Two (2) NPDES pipes are located within the 0.5-mile search radius. The nearest is located approximately 0.38 mile northeast of the project area. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

The Madison County listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high-quality natural communities is provided at https://www.in.gov/dnr/nature-preserves/files/np_madison.pdf. A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did not indicate the presence of ETR species within the 0.5-mile search radius. The November 1, 2022 bridge inspection indicated the presence of bird nests on the structure. Coordination with USFWS and IDNR will occur.

A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. The project area is located in a rural area. The November 1, 2022 inspection report for Structure # 009-48-00157 B states that no evidence of bats was seen or heard underneath the bridge. Additional investigation will be needed to confirm the presence or absence of bats on the bridge, and the range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

RECOMMENDATIONS SECTION

Include recommendations from each section. If there are no recommendations, please indicate N/A:

INFRASTRUCTURE: N/A

WATER RESOURCES: A Waters of the US Report is recommended based on the presence of features, and coordination with INDOT ESD Ecology and Waterway Permitting will occur for the following features:

- One (1) river and stream segment, Mud Creek, flows through the project area.
- One (1) NWI line is located within the project area.
- One (1) floodplain polygon is located within the project area.

MINING/MINERAL EXPLORATION: N/A

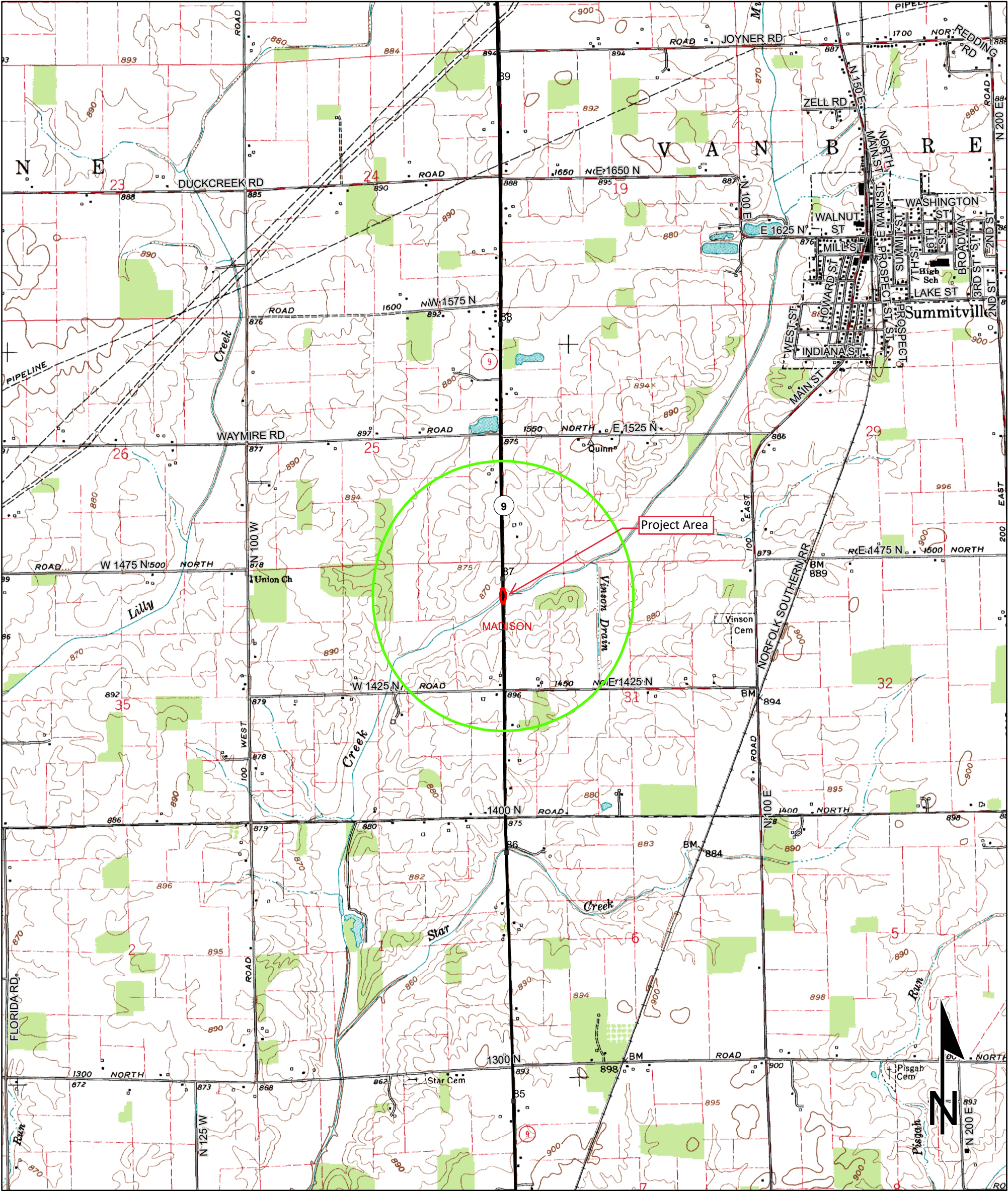
HAZARDOUS MATERIAL CONCERNS: N/A

ECOLOGICAL INFORMATION:

Coordination with USFWS and IDNR will occur. Additional investigation will be needed to confirm the presence or absence of bats on the bridge, and the range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

INDOT ESD concurrence: Peter Washburn (Signature)
Digitally signed by Peter Washburn
Date: 2023.02.10 09:33:31 -05'00'

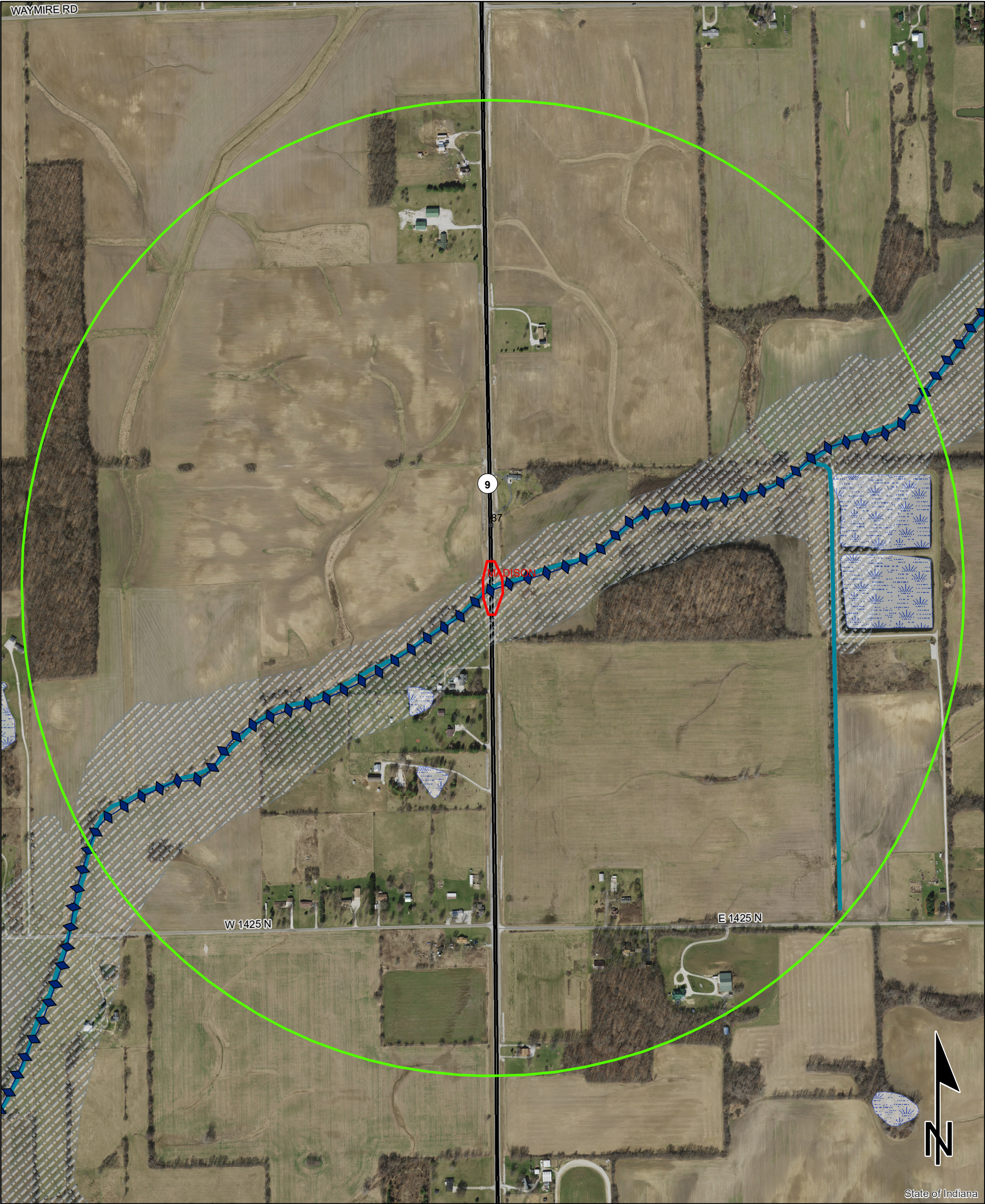
Red Flag Investigation - Site Location
State Road 9 Over Mud Creek, 2.83 Miles North of SR 28
Des No. 2100572, Bridge Replacement
Madison County, Indiana



Sources: 0.5 0.25 0 0.5 Miles
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

ALEXANDRIA QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)

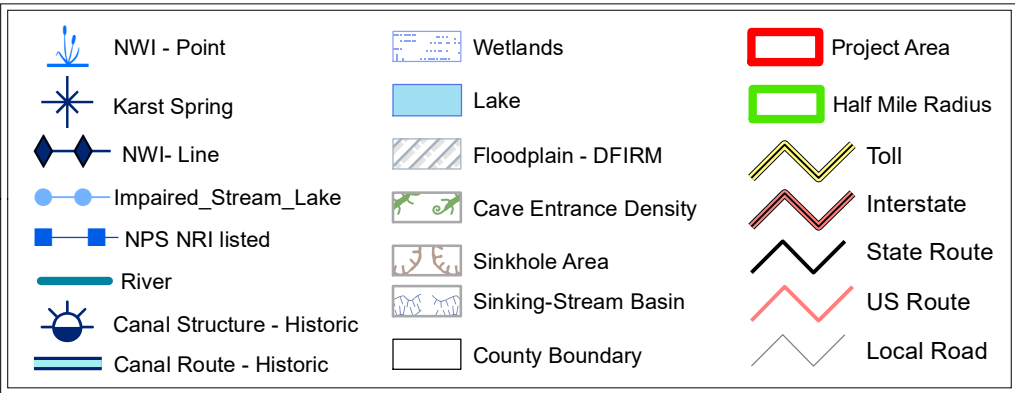
Red Flag Investigation - Water Resources
State Road 9 Over Mud Creek, 2.83 Miles North of SR 28
Des No. 2100572, Bridge Replacement
Madison County, Indiana



Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

0.1 0.05 0 0.1 Miles

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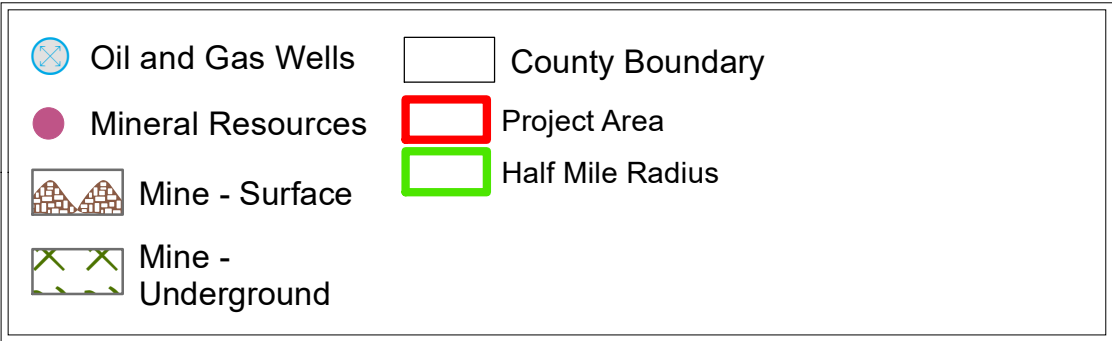
Red Flag Investigation - Mining and Mineral Resources
State Road 9 Over Mud Creek, 2.83 Miles North of SR 28
Des No. 2100572, Bridge Replacement
Madison County, Indiana



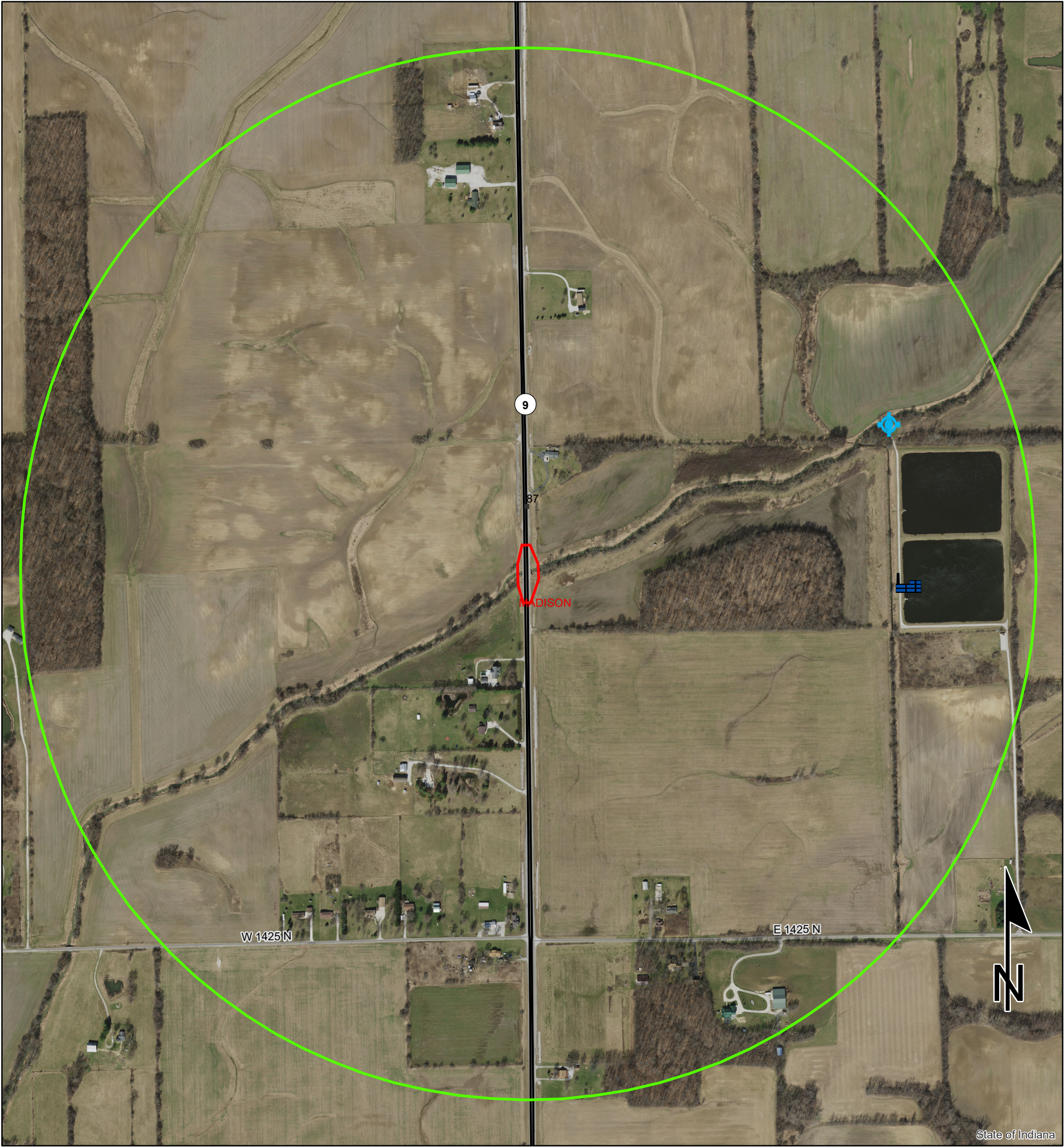
0.1 0.05 0 0.1 Miles































Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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Red Flag Investigation - Hazardous Material Concerns
State Road 9 Over Mud Creek, 2.83 Miles North of SR 28
Des No. 2100572, Bridge Replacement
Madison County, Indiana



	Brownfield		RCRA Generator/TSD		Institutional Controls
	RCRA Corrective Action Sites		Restricted Waste Site		County Boundary
	Confined Feeding Operation		Septage Waste Site		Project Area
	Notice_Of_Contamination		Solid Waste Landfill		Half Mile Radius
	Construction/Demolition Site		State Cleanup Site		Toll
	Infectious/Medical Waste Site		Superfund		Interstate
	Leaking Underground Storage Tank		Tire Waste Site		State Route
	Manufactured Gas Plant		Underground Storage Tank		US Route
	NPDES Facilites		Voluntary Remediation Program		Local Road
	NPDES Pipe Locations		Waste Transfer Station		
	Open Dump Waste Site				

Appendix F

Waters Resources

Waters of the U.S. Determination/ Wetland Delineation Report

SR 9, Madison County, Indiana

Bridge Replacement

INDOT Des # 2100572

INDOT Structure # 009-48-00157 B

Prepared by: Delaney Weston

INDOT, Greenfield District

Prepared Date: October 18, 2024

Project Description:

Date of Field Investigation(s): September 28, 2022, April 9, 2024

Section 36, Township 22 N, and Range 7 E and Section 31, Township 22 N, and Range 8 E

Alexandria Indiana, Quadrangle

Madison County, Indiana

Latitude: 40.319116

Longitude: -85.671804

Project Description: The Indiana Department of Transportation (INDOT) has identified the need to address the condition of a bridge, Structure Number 009-48-00157 B. The project is located in Madison County, Indiana. More specifically, the project is located in Section 36, Township 22 N, and Range 7 E and Section 31, Township 22 N, and Range 8 E as seen on the USGS 7.5' Alexandria, Indiana topographic quadrangle.

Structure # 009-48-00157 B is a concrete girder bridge. The structure has shown signs of deterioration and is currently rated a "4" (Poor) out of "9" (excellent) in condition. The bridge has shown evidence of extensive cracking, spalling, and heavy delamination. The superstructure alignment to the south has moved 1.5". INDOT proposes to replace the existing structure. Three culverts (Structures #1, 2, and 3) within the project area will also be removed and replaced in kind. Structure #1 is located approximately 300 ft south of the bridge, on the east side of SR 9. Structure #2 is located approximately 230 ft north of the bridge on the west side of SR 9. Structure #3 is located approximately 415 ft north of the bridge on the east side of SR 9. Revetment riprap will be placed along the roadside and underneath the bridge. Guardrail and signage will be removed and replaced in kind. The roadway will be milled and overlaid with Hot Mix Asphalt (HMA). The maintenance of traffic (MOT) is anticipated to utilize a full road closure with a detour. Approximately 0.6482 acre of permanent right of way (ROW) will be acquired for this project. Acquisition is anticipated to occur to the southwest of 009-48-00157 B for access and placement

of riprap, as well as along the entire east side of the project area for grading, placement of riprap, and other construction activities. Approximately 0.0092 acre of temporary ROW will be acquired on the northwest side of the project area for removal and replacement of a driveway.

The project is in the Star Creek-Mud Creek watershed and is underlain by Mahalasville silty clay loam (MI), Glynwood silt loam (GlsB2), Morley silty clay loam (MsD3), and Washtenaw complex (Wc). A review of the 2017 aerial photograph revealed the project is located in an agricultural setting.

Desktop Reconnaissance:

Soils

According to the Soil Survey Geographic (SSURGO) Database for Hancock County, Indiana, the investigated area contained soils with hydric components.

<u>Nationally Listed Soils</u>	<u>Map Abbreviations</u>	<u>Hydric Range</u>	<u>Class</u>
Glynwood silt loam	GlsB2	6	Predominantly Non-Hydric
Mahalasville silty clay loam	MI	98	Predominantly Hydric
Morley silty clay loam	MsD3	0	Nonhydric
Washtenaw complex	Wc	100	Hydric

NWI Wetlands

There is one National Wetlands Inventory (NWI) mapped wetland within the investigated area, a riverine wetland, which corresponds to Mud Creek. No other NWI mapped wetlands are present within the investigated area.

HUC 12: Star Creek – Mud Creek: 051202010403

National Hydrography Dataset (NHD) Flowlines

There is one stream flowline located within the investigated area, which corresponds to Mud Creek. No other NHD flowlines are present within the investigated area.

Attached documents:

- Maps (General Location, Topographic, Aerial, NWI, Floodplain, NRCS Soils, StreamStats, Photo Key)
- Photographs

Field Reconnaissance:

A field visit to the project area was conducted to determine potential Waters of the U.S. or Waters of the state. Found wetlands had their boundaries delineated in accordance with United States Army Corps of Engineers *Wetlands Delineation Manual* (1987) and the appropriate regional supplements to the Corps Delineation Manual. Ordinary high-water mark (OHWM) measurements were taken when present at a water feature. If present, roadside ditches along the roadway were examined for possible jurisdictional status.

Streams

Mud Creek

The field reconnaissance identified the presence of stream, Mud Creek, within the investigated area. Mud Creek is mapped as a USGS blue line stream and flows from east to west through the investigated area. Based on field investigations, Mud Creek appears to be a perennial stream. Mud Creek appears to flow year-round and is supplemented by rain events and runoff. Vegetation in the area consisted primarily of Kentucky bluegrass (*Poa Pratensis*, FAC), reed canary grass (*Phalaris arundinacea*, FACW), and tall fescue (*Schedonorus arundinaceus*, FACU). The existing structure carries Mud Creek under SR 9. The upstream drainage area of Mud Creek is 11.527 square miles, according to StreamStats. Mud Creek exhibited a defined bed and bank and an OHWM. The OHWM was measured at 15.67 feet across, and 0.83 feet deep. The substrate of Mud Creek consisted of silt. No riffles or pools were observed. Mud Creek is likely of poor quality due to runoff from SR 9 and the surrounding agricultural area. Mud Creek flows into Pipe Creek, which flows into the White River. The White River is a Traditionally Navigable Waterway (TNW). Because Mud Creek exhibits a defined bed and bank, an OHWM, and connectivity to a TNW, it should likely be considered a jurisdictional Waters of the US.

Table 1. Stream Summary Table

Water Feature Name	Photos	Lat/Long	OHWM Width (ft or in)	OHWM Depth (ft or in)	USGS Blue-line? Type?	Riffles? Pools?	Quality?	Substrate	Likely Water of U.S.?
Mud Creek	3, 4, 5, 6, 7, 8, 11, 12, 14	40.319150, -85.671628	15.67 ft	0.83 ft	Yes, Perennial	No	Poor	Silt	Yes

Roadside Ditches

There was one roadside ditch (RSD) observed within the investigated area. RSD 1 is located along the east side of SR 9. RSD 1 is a fully grassed ditch that conveys stormwater south along SR 9 into Mud Creek. RSD 1 did not exhibit an OHWM or defined bed or bank, therefore it is likely considered a non-jurisdictional Waters of the US.

Wetlands

No wetlands were observed in the investigated area. Mud Creek sits in a low-lying area. There is a steep drop off from SR 9 to Mud Creek on both sides of the road. Water that runs off the road goes down the drop off and is immediately carried away by Mud Creek. This topography creates conditions that are not conducive for wetland development.

Open Water

No open water areas were observed in the investigated area.

Wildlife Evidence and Concerns

No evidence of animals utilizing the structures for crossing was observed. No evidence of birds or bats was observed at the structure during the investigation.

Conclusions:

Field observations revealed that the investigated area contained one waterway, Mud Creek. Mud Creek is likely a Waters of the U.S., due to a continuous surface water connection to a TNW. Every effort should be taken to avoid and minimize impacts to this waterway. If impacts are necessary, then mitigation may be required. The INDOT Office of Environmental Services should be contacted immediately if impacts occur. The final determination of jurisdictional waters is ultimately made by the U.S. Army Corps of Engineers (USACE). This report is our best judgement based on the guidelines set forth by the USACE.

Acknowledgement:

This waters determination has been prepared based on the best available information, interpreted in the light of the investigator's training, experience and professional judgement in conformance with the 1987 *Corps of Engineers Wetlands Delineation Manual*, the appropriate regional supplement, the USACE *Jurisdictional Determination Form Instructional Guidebook*, and other appropriate agency guidelines.

Sincerely,



Delaney Weston
Environmental Manager II
INDOT – Greenfield District
32 South Broadway
Greenfield, IN 46140
Dweston@indot.in.gov

Some attachments have been
omitted to avoid duplication

Topographic Map
SR 9 Over Mud Creek, 2.83 Miles N of SR 28
Des No. 2100572, Bridge Replacement
Madison County, Indiana



Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

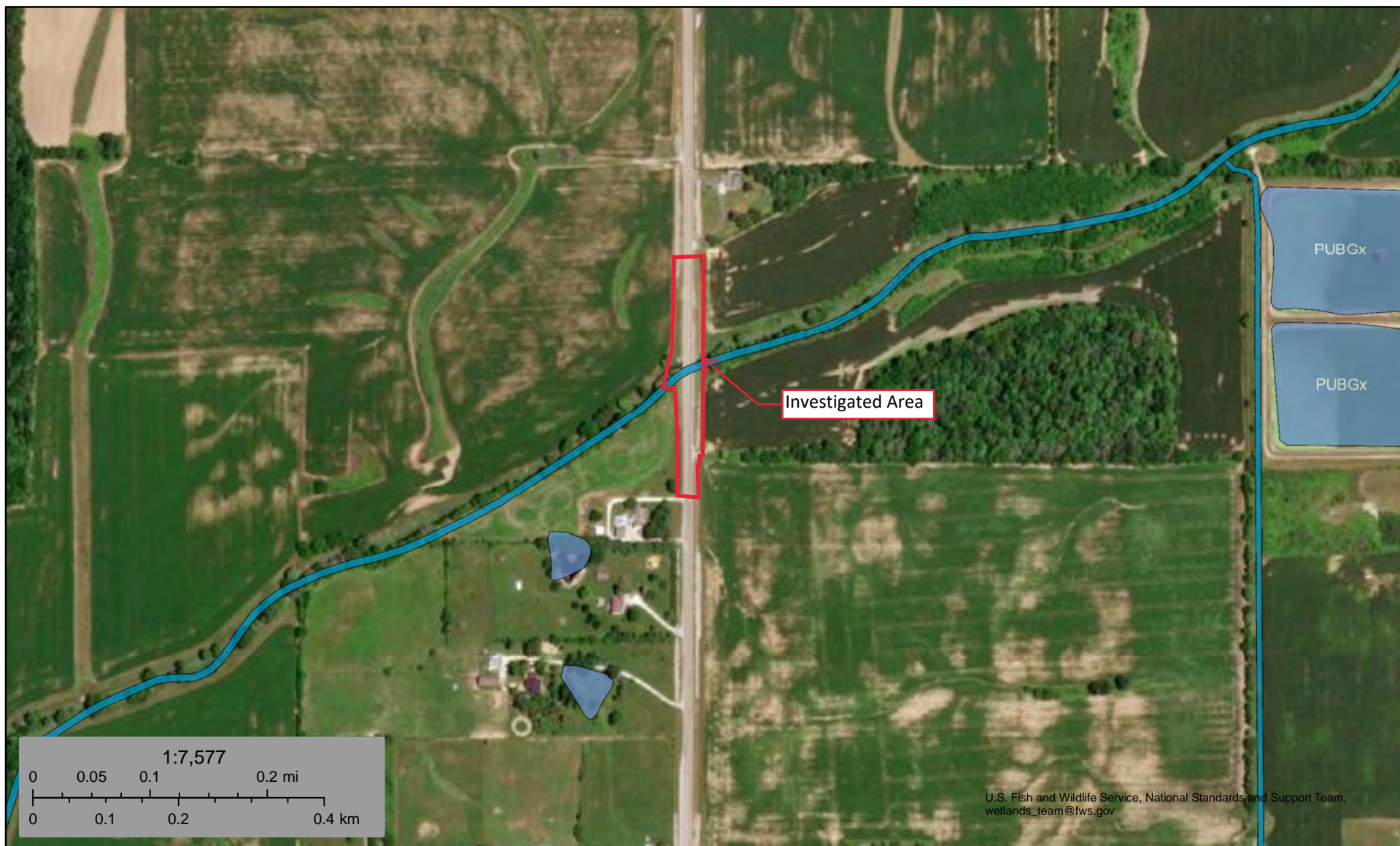
ALEXANDRIA QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)



U.S. Fish and Wildlife Service

National Wetlands Inventory

Des No 2100572



December 7, 2022

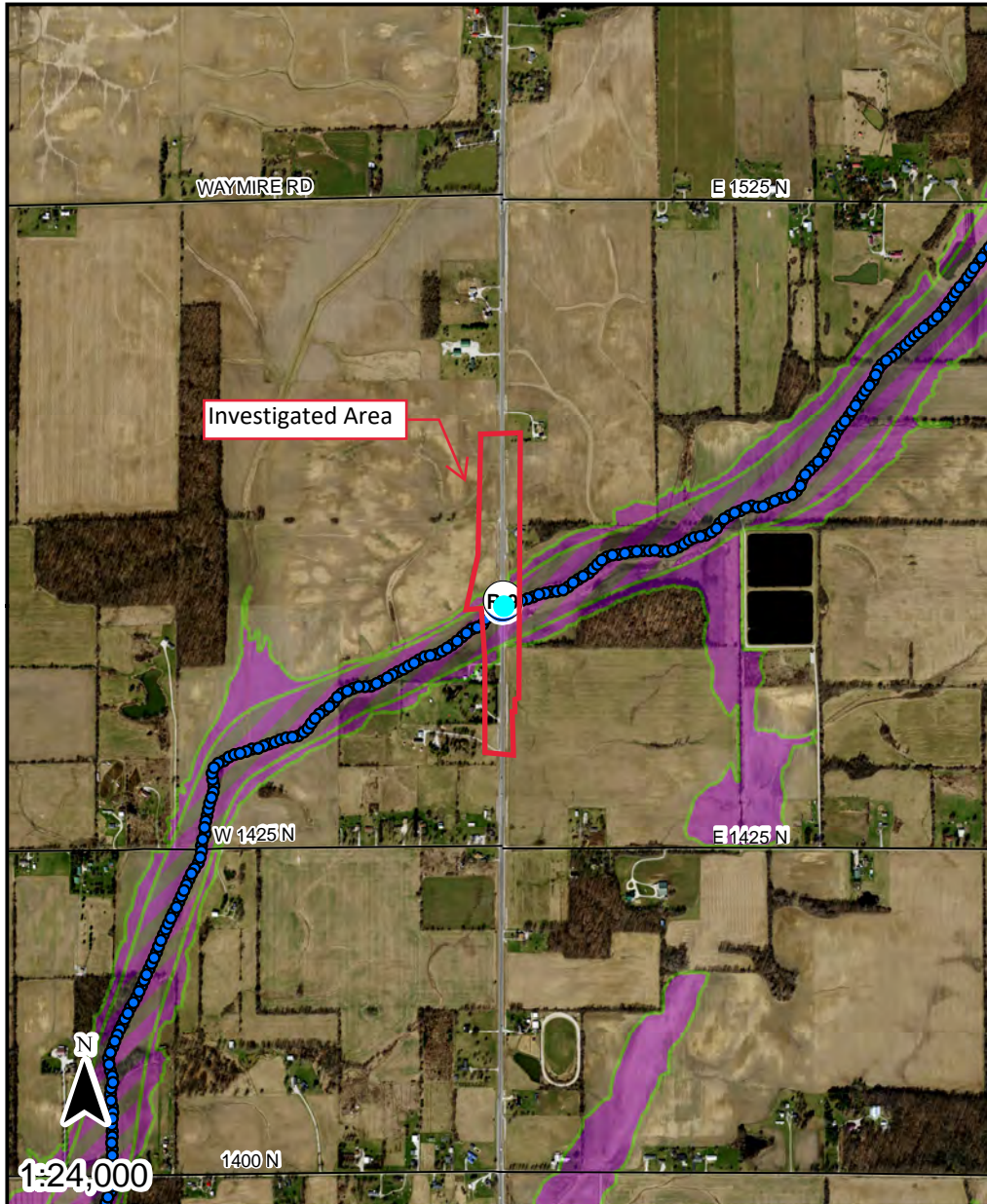
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



- Point of Interest
- Base Flood Elevation Point

Flood Elevation Points

- STUDIED STREAM

Rivers and Streams at least 1 square mile

Drainage Area (sq. miles)

- 1 - 10
- 10 - 100
- DNR Approximate Floodway
- DNR Approximate Fringe

Point of Interest Coordinates
(WGS84)

Long: -85.6717899193

Lat: 40.3191322669

The information provided below is based on the point of interest shown in the map above.

County: **Madison**

Approximate Ground Elevation: **858.0 feet (NAVD88)**

Stream Name:
Mud Creek

Base Flood Elevation: **860.8 feet (NAVD88)**

Drainage Area: **Not available**

Best Available Flood Hazard Zone: **DNR Approximate Floodway**

National Flood Hazard Zone: **FEMA Zone A**

Is a Flood Control Act permit from the DNR needed for this location? **yes**

Is a local floodplain permit needed for this location? **yes-**

Floodplain Administrator: **Brad Newman, Director Plan Commisssion**

Community Jurisdiction: **Madison County, County proper**

Phone: **(765) 641-9540**

Email: **bnewman@MadisonCounty.IN.Gov**

US Army Corps of Engineers District: **Louisville**


Custom Soil Resource Report

Map—Hydric Rating by Map Unit (Des No 2100572)









MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

 Hydric (100%)
 Hydric (66 to 99%)
 Hydric (33 to 65%)
 Hydric (1 to 32%)
 Not Hydric (0%)
 Not rated or not available


Soil Rating Lines

 Hydric (100%)
 Hydric (66 to 99%)
 Hydric (33 to 65%)
 Hydric (1 to 32%)
 Not Hydric (0%)
 Not rated or not available






Soil Rating Points

 Hydric (100%)
 Hydric (66 to 99%)
 Hydric (33 to 65%)
 Hydric (1 to 32%)
 Not Hydric (0%)
 Not rated or not available


Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Madison County, Indiana
 Survey Area Data: Version 26, Sep 1, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 15, 2022—Jun 21, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

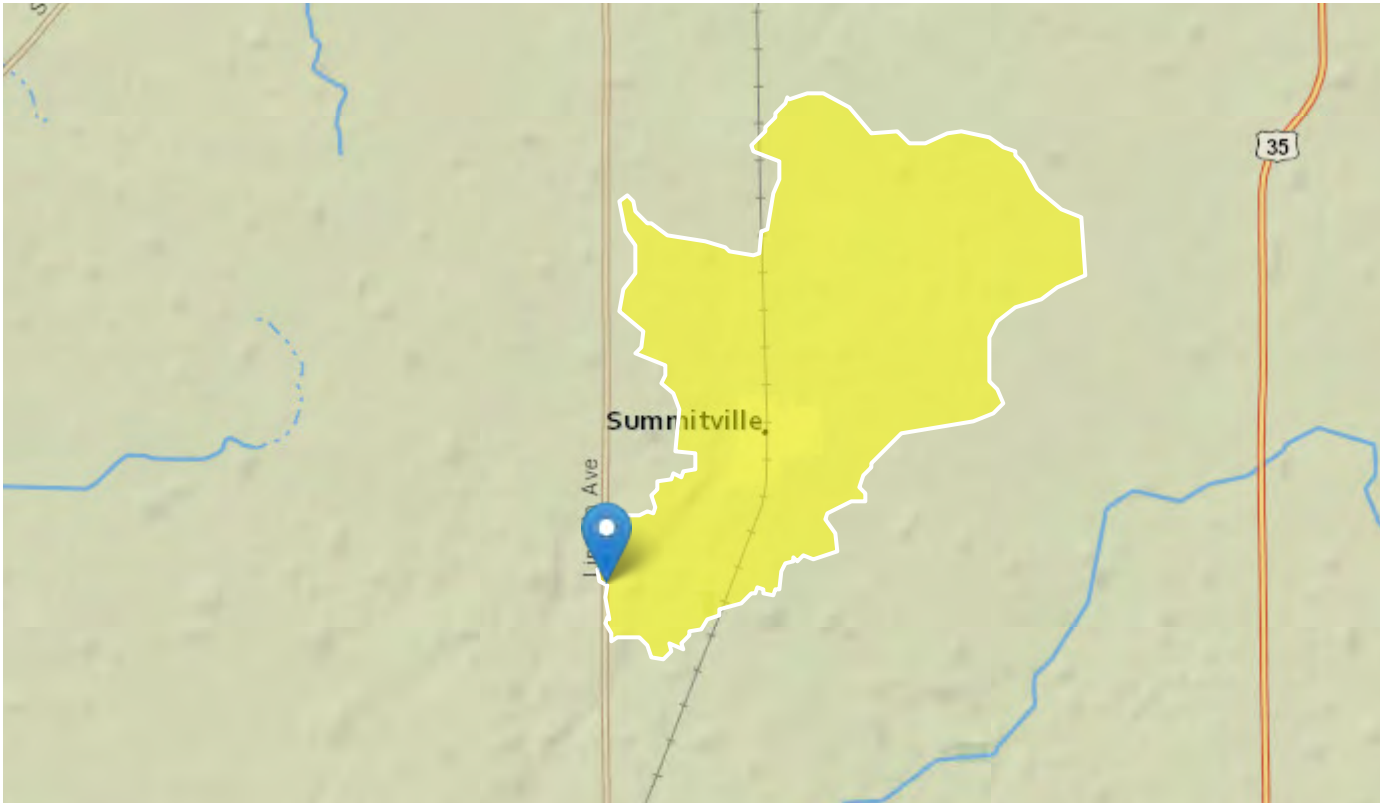
Table—Hydric Rating by Map Unit (Des No 2100572)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
GlsB2	Glynwood silt loam, ground moraine, 2 to 6 percent slopes, eroded	6	0.1	4.4%
MI	Mahalasville silty clay loam, 0 to 2 percent slopes	98	0.5	26.6%
MsD3	Morley silty clay loam, 12 to 18 percent slopes, severely eroded	0	0.5	22.2%
Wc	Washtenaw complex	100	1.0	46.8%
Totals for Area of Interest			2.1	100.0%

Rating Options—Hydric Rating by Map Unit (Des No 2100572)*Aggregation Method: Percent Present**Component Percent Cutoff: None Specified**Tie-break Rule: Lower*

Des No 2100572 StreamStats Report - Mud Creek

Region ID: IN
Workspace ID: IN20221207170908305000
Clicked Point (Latitude, Longitude): 40.31870, -85.67177
Time: 2022-12-07 12:09:28 -0500



+ Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	11.527	square miles
LOWREG	Low Flow Region Number	1729	dimensionless

USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards relative to the purpose for which the data were collected. Although these data and associated metadata have been reviewed for accuracy and completeness and approved for release by the U.S. Geological Survey (USGS), no warranty

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USGS Software Disclaimer: This software has been approved for release by the U.S. Geological Survey (USGS). Although the software has been subjected to rigorous review, the USGS reserves the right to update the software as needed pursuant to further analysis and review. No warranty, expressed or implied, is made by the USGS or the U.S. Government as to the functionality of the software and related material nor shall the fact of release constitute any such warranty. Furthermore, the software is released on condition that neither the USGS nor the U.S. Government shall be held liable for any damages resulting from its authorized or unauthorized use.

USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Application Version: 4.11.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

NHD Lines
SR 9 Over Mud Creek, 2.83 Miles N of SR 28
Des No. 2100572, Bridge Replacement
Madison County, Indiana



Sources: 0.02 0.01 0 0.02 Miles
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N Map Datum: NAD83
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- Connector
- CanalDitch
- Underground Conduit
- Pipeline
- StreamRiver
- ArtificialPath
- Coastline

Investigated Area

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: 6/11/24

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:

Delaney Weston
32 S Broadway
Greenfield, IN 46140

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

Des no 2100572:

The Indiana Department of Transportation (INDOT) has identified the need to address the condition of a bridge, Structure Number 009-48-00157 B. The project is located in Madison County, Indiana. More specifically, the project is located in Section 36, Township 22 N, and Range 7 E and Section 31, Township 22 N, and Range 8 E as seen on the USGS 7.5' Alexandria, Indiana topographic quadrangle.

Structure # 009-48-00157 B is a concrete girder bridge. The structure has shown signs of deterioration and is currently rated a "4" (Poor) out of "9" (excellent) in condition. The bridge has shown evidence of extensive cracking, spalling, and heavy delamination. The superstructure alignment to the south has moved 1.5". INDOT proposes to replace the existing structure. Three culverts (Structures #1, 2, and 3) within the project area will also be removed and replaced in kind. Structure #1 is located approximately 300 ft south of the bridge, on the east side of SR 9. Structure #2 is located approximately 230 ft north of the bridge on the west side of SR 9. Structure #3 is located approximately 415 ft north of the bridge on the east side of SR 9. Revetment riprap will be placed along the roadside and underneath the bridge. Guardrail and signage will be removed and replaced in kind. The roadway will be milled and overlaid with Hot Mix Asphalt (HMA). The maintenance of traffic (MOT) is anticipated to utilize a full road closure with a detour. Approximately 0.6482 acre of permanent right of way (ROW) will be acquired for this project. Acquisition is anticipated to occur to the southwest of 009-48-00157 B for access and placement of riprap, as well as along the entire east side of the project area for grading, placement of riprap, and other construction activities. Approximately 0.0092 acre of temporary ROW will be acquired on the northwest side of the project area for removal and replacement of a driveway.

(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: IN County/parish/borough: Madison City: Alexandria

Center coordinates of site (lat/long in degree decimal format):

Lat.: 40.319150 Long.: -85.671628

Universal Transverse Mercator: 16T 612858 4464022 UTM

Name of nearest waterbody: Mud Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:

☐ Field Determination. Date(s):

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH “MAY BE” SUBJECT TO REGULATORY JURISDICTION.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource “may be” subject (i.e., Section 404 or Section 10/404)
Mud Creek	40.319150	-85.671628	0.0023 acre	Non-Wetland	Section 404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "*may be*" waters of the U.S. and/or that there "*may be*" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- ☐ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: _____.
- ☐ Data sheets prepared/submitted by or on behalf of the PJD requestor.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report. Rationale: _____.
- ☐ Data sheets prepared by the Corps: _____.
- ☐ Corps navigable waters' study: _____.
- ☐ U.S. Geological Survey Hydrologic Atlas: _____.
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
- ☐ U.S. Geological Survey map(s). Cite scale & quad name: _____.
- ☐ Natural Resources Conservation Service Soil Survey. Citation: _____.
- ☐ National wetlands inventory map(s). Cite name: _____.
- ☐ State/local wetland inventory map(s): _____.
- ☐ FEMA/FIRM maps: _____.
- ☐ 100-year Floodplain Elevation is: _____.(National Geodetic Vertical Datum of 1929)
- ☐ Photographs: ☐ Aerial (Name & Date): _____.
or ☐ Other (Name & Date): _____.
- ☐ Previous determination(s). File no. and date of response letter: _____.
- ☐ Other information (please specify): _____.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory staff member
completing PJD

Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- ☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: General location map, aerial photograph, USGS topographic map, picture key map, NRCS soils map, IDNR Floodplain map, NWI Map .
- ☐ Data sheets prepared/submitted by or on behalf of the PJD requestor.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report. Rationale: _____.
- ☐ Data sheets prepared by the Corps: _____.
- ☐ Corps navigable waters' study: _____.
- ☐ U.S. Geological Survey Hydrologic Atlas: _____.
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000, Alexandria Quad, Indiana .
- ☒ Natural Resources Conservation Service Soil Survey.
Citation: <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>.
- ☒ National wetlands inventory map(s). Cite name: <http://www.nwi.fws.gov/> .
- ☐ State/local wetland inventory map(s): _____.
- ☒ FEMA/FIRM maps: Map # 18095C0110D, Effective Date 5/2/11.
- ☐ 100-year Floodplain Elevation is: _____.(National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): Indiana aerial photograph, 2017.
or ☒ Other (Name & Date): Site photographs [September 28, 2022, April 9, 2024].
- ☐ Previous determination(s). File no. and date of response letter: _____.
- ☐ Other information (please specify): _____.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory staff member
completing PJD

Delaney Weston 6/12/24

Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action. F-18

Appendix G

Air Quality

**Madison County Council of Governments (Anderson MPO)
FY 2022-2026 Transportation Improvement Program (TIP)**
All Projects: Current Through 5-1-23

PROJECT DETAILS					PROJECT FUNDING										PERFORMANCE MEASURES							MTP PLANNING		AIR QUALITY CONFORMITY			REFERENCE DOCUMENTS
REF	DES	Sponsor Name	Work Category (Work Type)	Location & Description	County	Funding Obligation Year (State Fiscal)	Project Phase	Federal Funds by Phase	Required Local/State Matching Funds	Total Funds by Phase	Federal Funding Program	Letting Date (2-5 weeks prior to Obligation Date of CR Phase)	Contract Number (CR Phase)	Total Project Cost	Complete Streets (MPO)	Safety (MPO/INDOT)	Pavement Condition (MPO/INDOT)	Bridge Condition (MPO/INDOT)	Reliability & Freight Resiliency (MPO/INDOT)	Congestion Mitigation & Air Quality (MPO/INDOT)	Transit (MPO/INDOT)	MTP Project Category	Analysis Period	AQ Conformity Analysis	Exempt Project Type (AQ)	Reference (AQ)	
176	2008843	INDOT	Railroad Protection	Mill Street @ Norfolk Southern Crossing (DOT# 1396498) [Summitville]	48	2024	CN	\$ 550,000	\$ -	\$ 550,000	STBG	Unknown	Unknown	Unknown	Exempt				X			N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Railroad/Highway Crossing Warning Devices (8)	40 CFR 93.126.8	Res. 4-28-23
177	2002125	INDOT	Bridge Painting	I-69, SB Bridge over SR 13, 4.25 miles South of SR 38	48	2025	CN	\$ 141,280	\$ 35,320	\$ 176,600	NHPP	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Other: Other Specific Activities that Do Not Involve or Lead Directly to Construction (47)	40 CFR 93.126.47	Res. 4-28-23
178	2002127	INDOT	Bridge Removal	I-69, SB Bridge over Abandoned Railroad (Panhndale Trail), .58 miles North of SR 236	48	2025	CN	\$ 0.80	\$ 0.20	\$ 1	NHPP	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Projects that Correct, Improve, or Eliminate a Hazardous Location or Feature (2)	40 CFR 93.126.2	Res. 4-28-23
179	2002388	INDOT	Small Structures & Drains Construction	Small Pipes on SR 1, SR 26, SR 67, SR 27, US 93, & US 36	48	2024	CN	\$ 1,056,000	\$ 264,000	\$ 1,320,000	STBG	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Res. 4-28-23
180	2102211	INDOT	HMA Overlay, Preventive Maintenance	SR 67, I-69 to 3.76 miles West of SR 3 (CR 400-1)	48	2026	CN	\$ 5,904,000	\$ 1,476,000	\$ 7,380,000	NHPP	Unknown	Unknown	Unknown	Exempt		X					N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Res. 4-28-23
181	2100281	INDOT	Small Structures & Drains Construction	SR 38, 1.88 miles East of SR 108	48	2024	RR	\$ 172,000	\$ 126,000	\$ 302,000	STBG	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Res. 4-28-23
182	2105372	INDOT	Bridge Replacement	SR 9 @ Bridge over Mud Creek, 2.83 miles North of SR 28	48	2024	RR	\$ 16,000	\$ 4,000	\$ 20,000	STBG	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Widening Narrow Pavements or Reconstructing Bridges (no additional travel lanes) (13)	40 CFR 93.126.19	Res. 4-28-23
183	2105372	INDOT	Bridge Replacement	SR 9 @ Bridge over Mud Creek, 2.83 miles North of SR 28	48	2024	CN	\$ 1,197,600	\$ 299,400	\$ 1,497,000	STBG	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Widening Narrow Pavements or Reconstructing Bridges (no additional travel lanes) (13)	40 CFR 93.126.19	Res. 4-28-23
184	2200354	INDOT	Bridge Deck Overlay	SR 9 @ Bridge over Lick Creek, 1.29 miles South of SR 28	48	2024	PE	\$ 1,133,466	\$ 283,367	\$ 1,416,833	STBG	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Res. 4-28-23
185	2200848	INDOT	Bridge Deck Overlay	SR 13 @ Bridge over Fall Creek, 1.92 miles South of I-69	48	2024	CN	\$ 1,092,000	\$ 273,000	\$ 1,365,000	STBG	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Res. 4-28-23
186	2201151	INDOT	Traffic Signals Modernization	Various locations in the Greenfield District (SR 67 & CR 800, SR 67 & CR 800/Walnut Street, SR 67 & Innovation Drive, SR 67 & I-69 Northbound Ramps, SR 67 & I-69 Southbound Ramps)	48	2026	CN	\$ 222,600	\$ 222,600	\$ 445,200	STBG	Unknown	Unknown	Unknown	Exempt	X						N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Projects that Correct, Improve, or Eliminate a Hazardous Location or Feature (2)	40 CFR 93.126.2	Res. 4-28-23
187	2201184	INDOT	Bridge Removal	I-69 Northbound Bridge over Abandoned RR, .58 miles North of SR 236	48	2025	CN	\$ 0.80	\$ 0.20	\$ 1	NHPP	Unknown	Unknown	Unknown	Exempt			X				N/A	2020-2025	AQ Exempt - 4-24-23	Safety: Projects that Correct, Improve, or Eliminate a Hazardous Location or Feature (2)	40 CFR 93.126.2	Res. 4-28-23
Section 7. State-Funded INDOT Non-Substructure, Grouped, & Statewide Projects - Exempt from Air Quality Conformity Analysis																											
188	1992009	INDOT	Rest Area & Parking Area Construction/Reconstruct	Statewide Short-Term Rest Area/High Station/Environmental Mitigation (Placeholder)	Various	2023	CN	\$ 4,000,000	\$ 1,000,000	\$ 5,000,000	Multiple	N/A	Unknown	Unknown	Exempt			X				N/A	2020-2025	USDOT Conformity Letter 8-21-19	Safety: Safety Roadside Rest Areas (15)	40 CFR 93.126.15	Adopted with 2020-2023 TIP
189	1700610	INDOT	HMA Overlay, Preventive Maintenance	Statewide Consultant Services for Testing Hot Mix Asphalt	Various	2022	PE	\$ 512,480	\$ 128,120	\$ 640,600	Multiple	N/A	Unknown	\$ 640,600	Exempt		X					N/A	2020-2025	USDOT Conformity Letter 8-21-19	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Adopted with 2020-2023 TIP
190	1700611	INDOT	HMA Overlay, Preventive Maintenance	Statewide Consultant Services for Testing Hot Mix Asphalt	Various	2022	PE	\$ 514,160	\$ 128,140	\$ 642,300	Multiple	N/A	Unknown	\$ 1,700,611	Exempt		X					N/A	2020-2025	USDOT Conformity Letter 8-21-19	Safety: Pavement Resurfacing and/or Rehabilitation (10)	40 CFR 93.126.10	Adopted with 2020-2023 TIP
191	1701252	INDOT	Revised Pavement Markings, Refurbished	Statewide RPOs (Placeholder)	Various	2022	CN	\$ 1,736,004	\$ 434,001	\$ 2,170,005	Multiple	N/A	Unknown	Unknown	Exempt	X						N/A	2020-2025	USDOT Conformity Letter 8-21-19	Safety: Pavement Marking (11)	40 CFR 93.126.11	Adopted with 2020-2023 TIP
192	1701255	INDOT	Traffic Signals Modernization	Statewide Traffic Signal Modernization (Placeholder)	Various	2022	CN	\$ 6,760,510	\$ 1,690,127	\$ 8,450,637	Multiple	N/A	Unknown	Unknown	Exempt	X						N/A	2020-2025	USDOT Conformity Letter 8-21-19	Safety: Projects that Correct, Improve, or Eliminate a Hazardous Location or Feature (2)	40 CFR 93.126.2	Adopted with 2020-2023 TIP

**Federal Transit
Administration**
Region V
200 West Adams St., Suite 320
Chicago, IL 60606-5253



**U.S. Department
of Transportation**

Federal Highway Administration
Indiana Division
575 N. Pennsylvania St., Rm 254
Indianapolis, IN 46204-1576

September 1, 2023

Mr. Michael Smith
Commissioner
Indiana Department of Transportation
100 N Senate Ave. N955
Indianapolis, IN 46204

SUBJECT: Indiana FY2024-2028 STIP Approval and Associated Federal Planning Finding

Dear Mr. Smith:

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have completed our review of the FY2024-2028 Indiana Statewide Transportation Improvement Program (INSTIP), which was submitted by the Indiana Department of Transportation (INDOT) request letter dated August 23, 2023.

Based on our review of the information provided, certifications of the Statewide and Metropolitan transportation planning processes for and within the state of Indiana, and our participation in those transportation planning processes (including planning certification reviews conducted in Transportation Management Areas), FHWA and FTA are jointly approving the FY2024-2028 STIP, including the Metropolitan Planning Organization (MPO) Transportation Improvement Programs (TIPs) incorporated into the STIP by reference, subject to the corrective actions identified in the attached Federal Planning Finding (FPF) report. FHWA and FTA consider the projects in the 5th year for informational purposes only, and our approval does not exceed four years per 23 CFR 450.220(c).

FHWA and FTA are required under 23 CFR 450.220(b) to document and issue an FPF in conjunction with the approval of the FY2024-2028 STIP. At a minimum, the FPF verifies that the development of the STIP is consistent with the provisions of both the Statewide and Metropolitan transportation planning requirements. FHWA and FTA find that the Indiana FY2024-2028 STIP substantially meets the transportation planning requirements and are approving the STIP subject to the corrective actions outlined in the FPF. This approval is effective September 1, 2023 and is given with the understanding that an eligibility determination of individual projects for funding must be met, and INDOT must ensure the satisfaction of all administrative and statutory requirements, as well as address the corrective actions outlined in the attached report.

If you have questions or need additional information concerning our approval and the FPF, please contact Ms. Erica Tait of the FHWA Indiana Division at (317) 226-7481, or by email at erica.tait@dot.gov, or Mr. Tony Greep of the FTA Region 5 Office at (312) 353-1646, or by email at anthony.greep@dot.gov.

Sincerely,

**KELLEY
BROOKINS** Digitally signed by
KELLEY BROOKINS
Date: 2023.08.31
17:33:15 -05'00'

Kelley Brookins
Regional Administrator
FTA Region V

Sincerely,

**JERMAINE
R HANNON** Digitally signed by
JERMAINE R HANNON
Date: 2023.09.01
11:46:31 -04'00'

Jermaine R. Hannon
Division Administrator
FHWA Indiana Division



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758-Executive Office
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

August 28, 2023

Mr. Jermaine R. Hannon, Division Administrator
FHWA Indiana Division
575 North Pennsylvania St., Room 254
Indianapolis, IN 46204

Ms. Kelley Brookins, Regional Administrator
FTA Region 5
200 West Adams St.
Suite 320
Chicago, IL 60606-5253

Dear Mr. Hannon /Ms. Brookins:

The Indiana Department of Transportation is pleased to submit its FY 2024-2028 Statewide Transportation Improvement Program (STIP) for review and approval by your offices.

Included in the final submitted document is a listing of the state's expansion/preservation and local small urban and rural and rural transit projects. The following Metropolitan Planning Organization TIPs will be included in the FY 2024-2028 STIP by reference.

Area Plan Commission of Tippecanoe County (APCTC)	FY 2024-2028
• https://www.tippecanoe.in.gov/DocumentCenter/View/40728/FY-2024-2028-TIP-including-0-amendments	
Bloomington-Monroe County Metropolitan Planning Organization (BMCMPPO)	FY 2024-2028
• https://bloomington.in.gov/sites/default/files/2023-08/BMCMPPO%20FY%202024%20-%202028%20TIP%20-%202006-30-23%20-%20ADOPTED%20FINAL.pdf	
Columbus Area Metropolitan Planning Organization (CAMPO)	FY 2024-2028
• https://www.columbus.in.gov/planning/tip/	
Delaware-Muncie Metropolitan Plan Commission (DMMPC)	FY 2022-2025
• <i>Including Amendments/modifications through 2/14/23</i>	
• https://www.co.delaware.in.us/egov/documents/1692987897_47263.pdf	
Evansville Metropolitan Planning Organization (EMPO)	FY 2024-2028
• http://www.evansvillempo.com/Docs/TIP/TIP_2024-2028/TIP_2024-2028.pdf	
Kokomo-Howard County Governmental Coordinating Council (KHCGCC)	FY 2022-2026
• <i>Including Amendments/modification through 7/28/23</i>	
• https://www.kokomompo.com/project/tip-2020-2024/	

www.in.gov/dot/

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Kentuckiana Regional Planning and Development Agency (KIPDA)	FY 2023-2026
• https://www.kipda.org/wp-content/uploads/2023/05/FY2023-TIP-FINAL-5-25.pdf	
Indianapolis Metropolitan Planning Organization (IMPO)	FY 2024-2027
• https://www.indympo.org/whats-underway/irtip	
Michiana Area Council of Governments (MACOG)	FY 2024-2028
• http://www.macog.com/docs/transportation/tip/approved/fy2028tip_projects.pdf	
Madison County Council of Governments (MCCOG)	FY 2022-2026
• <i>Including Amendments/modifications through 7/28/23</i>	
• https://irp.cdn-website.com/65a760a0/files/uploaded/TIP%202022-2026%20-%20updated%205-1-23.pdf	
Northeastern Indiana Regional Coordinating Council (NIRCC)	FY 2024-2028
• https://www.nircc.com/uploads/1/2/9/8/129837621/final_2024-2028_tip_5-25-23.pdf	
Northwestern Indiana Regional Planning Commission (NIRPC)	FY 2022-2026
• <i>Including Amendments/modifications through 7/25/23</i>	
• https://nirpc.org/2040-plan/mobility/transportation-improvement-program/	
Ohio-Kentucky-Indiana Regional Council of Governments (OKI)	FY 2024-2027
• https://www.oki.org/transportation-planning/transportation-improvement-program-tip/	
Terre Haute Area Metropolitan Planning Organization (THAMPO)	FY 2024-2028
• https://www.terrehautempo.com/images/THAMPO_2024_2028_AdoptionTIP.pdf	

In addition, INDOT has expanded our public involvement process by taking advantage of virtual meeting techniques and allowing accessibility to online documents, materials, virtual meeting registration, recorded virtual meetings, and comment forms. INDOT also leveraged our planning partner contacts (MPOs, RPOs, LTAP), social media, and notifications sent to local libraries, housing authorities, senior aging centers, and local newspapers across the state.

We greatly appreciate FHWA/FTA support in the development of the STIP 2024-2028 and look forward to working together to achieve our mutual goals. Should you have any questions pertaining to this amendment, please contact April Leckie, STIP Administration at 317-232-5466 or at aleckie@indot.in.gov.

Sincerely,



Michael Smith, Commissioner
Indiana Department of Transportation

cc: (w/enclosure): Angelica Salgado, FTA
Cecilia Crenshaw, FTA
Erica Tait, FHWA
Lyndsay Quist, INDOT
Kristin Brier, INDOT
Kathy Eaton-McKalip, INDOT
Louis Feagans, INDOT

April Leckie, INDOT
Roy Nunnally, INDOT
Larry Buckel, INDOT
Jay Mitchell, INDOT
Jason Casteel, INDOT
Michael McNeil, INDOT

Appendix H









Additional Information

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated March 2022)

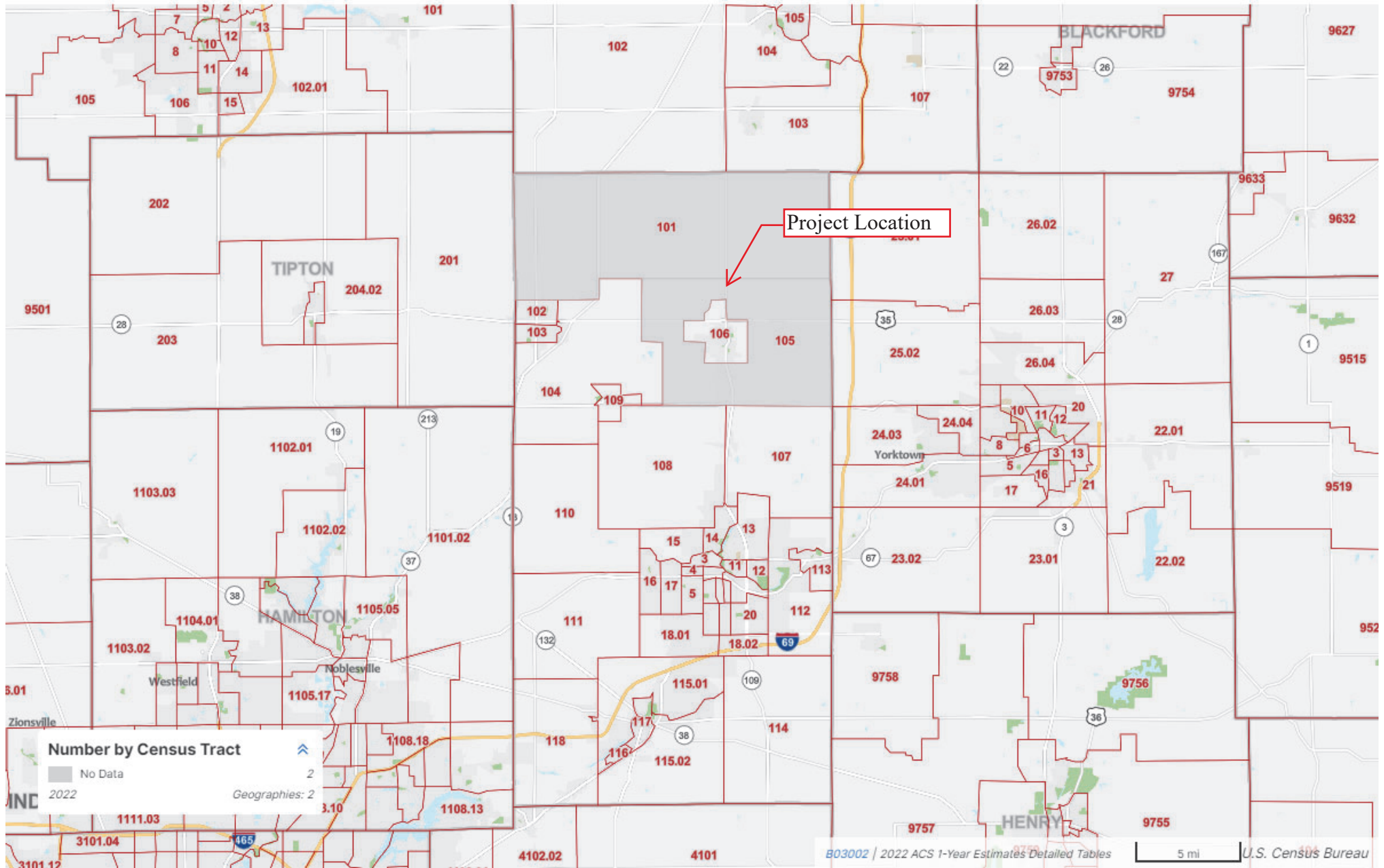
ProjectNumber	SubProjectCode	County	Property
1800136	1800136	Madison	Funk Historic (8th St.) Park
1800139	1800139	Madison	General Pulaski ParkE. 38th St. Park
1800143	1800143	Madison	Streaty Park
1800145	1800145	Madison	Southside Sports Complex
1800169	1800169	Madison	Shadyside Recreation Complex (Aqua Gardens)
1800169.6	1800169.6	Madison	Crawford Field
1800171	1800171H	Madison	Mounds State Park
1800204	1800204	Madison	Beulah Park
1800238	1800238	Madison	Beulah Park
1800254	1800254	Madison	Falls Park
1800255	1800255	Madison	Alvin D. Brown Memorial Pool
1800258	1800258	Madison	Athletic Park
1800287	1800287	Madison	Shepherd Park
1800292	1800292	Madison	Elwood Municipal Swimming Pool
1800299	1800299	Madison	Alvin D. Brown Memorial Pool
1800305	1800305G	Madison	Mounds State Park
1800312	1800312I	Madison	Mounds State Park
1800370	1800370	Madison	Maple Meadows Park/Frankton Community Park
1800382	1800382	Madison	Mounds State Park
1800413	1800413O	Madison	Mounds State Park
1800442	1800442	Madison	Walbridge Acres Park
1800466	1800466	Madison	Grand Avenue Wetlands & Killbuck Walkway
1800477	1800477a	Madison	Anderson Riverwalk
1800534	1800534	Madison	General Pulaski Park
1800587	1800587	Madison	Bodenhorn Park

*Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Bridge/Structure Bat Assessment Form

Date & Time of Assessment		DOT Project Number		Route/Facility Carried		County	
Federal Structure ID		Structure Coordinates (latitude and longitude)		Structure Height (approximate)		Structure Length	
Structure Type (check one)				Structure Material (check all that apply)			
Bridge Construction Style				Deck Material		Beam Material	
<input type="checkbox"/> Cast-in-place 		<input type="checkbox"/> Pre-stressed Girder 		<input type="checkbox"/> Metal <input type="checkbox"/> Concrete <input type="checkbox"/> Timber <input type="checkbox"/> Open grid <input type="checkbox"/> Other:		<input type="checkbox"/> None <input type="checkbox"/> Concrete <input type="checkbox"/> Steel <input type="checkbox"/> Timber <input type="checkbox"/> Other:	
<input type="checkbox"/> Flat Slab/Box 		<input type="checkbox"/> Steel I-beam 				<input type="checkbox"/> Concrete <input type="checkbox"/> Timber <input type="checkbox"/> Stone/Masonry <input type="checkbox"/> Other:	
<input type="checkbox"/> Truss 		<input type="checkbox"/> Covered 				Creosote Evidence <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
<input type="checkbox"/> Parallel Box Beam 		<input type="checkbox"/> Other:		Culvert Material			
Culvert Type		Other Structure		<input type="checkbox"/> Metal <input type="checkbox"/> Concrete <input type="checkbox"/> Plastic <input type="checkbox"/> Stone/Masonry <input type="checkbox"/> Other:		Notes:	
<input type="checkbox"/> Box <input type="checkbox"/> Pipe/Round <input type="checkbox"/> Other:							
Crossings Traversed (check all that apply)				Surrounding Habitat (check all that apply)			
<input type="checkbox"/> Bare ground <input type="checkbox"/> Rip-rap <input type="checkbox"/> Flowing water <input type="checkbox"/> Standing water <input type="checkbox"/> Seasonal water		<input type="checkbox"/> Open vegetation <input type="checkbox"/> Closed vegetation <input type="checkbox"/> Railroad <input type="checkbox"/> Road/trail - Type: <input type="checkbox"/> Other:		<input type="checkbox"/> Agricultural <input type="checkbox"/> Commercial <input type="checkbox"/> Residential-urban <input type="checkbox"/> Residential-rural <input type="checkbox"/> Woodland/forested		<input type="checkbox"/> Grassland <input type="checkbox"/> Ranching <input type="checkbox"/> Riparian/wetland <input type="checkbox"/> Mixed use <input type="checkbox"/> Other:	
Areas Assessed (check all that apply)							
Check all areas that apply. If an area is not present in the structure, check the "not present" box.							
Document all bat indicators observed during the assessment. Include the species present, if known, and provide photo documentation as indicated.							
Area (check if assessed)		Assessment Notes		Evidence of Bats (include photos if present)			
<input type="checkbox"/> All crevices and cracks: Bridges/culverts: rough surfaces or imperfections in concrete Other structures: soffits, rafters, attic areas		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> Concrete surfaces (open roosting on concrete)		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> Spaces between concrete end walls and the bridge deck		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> Crack between concrete railings on top of the bridge deck <div style="text-align: center;"> Gap  Railing </div>		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> Vertical surfaces on concrete I-beams		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> Spaces between walls, ceiling joists		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> Weep holes, scupper drains, and inlets/pipes		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> All guiderails		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
<input type="checkbox"/> All expansion joints		<input type="checkbox"/> Not present		<input type="checkbox"/> Visual - live # dead # <input type="checkbox"/> Guano <input type="checkbox"/> Staining		<input type="checkbox"/> Audible <input type="checkbox"/> Odor <input type="checkbox"/> Photos <input type="checkbox"/> Species	
Name:				Signature:			

U.S. Census Bureau Bounday Map: Madison County, IN and Madison County Census Tracts 101 and 105 (<https://data.census.gov/all>)



Hispanic or Latino Origin by Race



Note: This is a modified view of the original table produced by the U.S. Census Bureau. This download or printed version may have missing information from the original table.

Label	Madison County, Indiana		Census Tract 101; Madison County; Indiana		Census Tract 105; Madison County; Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
▼ Total:	130,545	*****	3,078	±178	3,483	±420
▼ Not Hispanic or Latino:	124,492	*****	2,981	±233	3,435	±425
White alone	108,813	±341	2,899	±228	3,351	±421
Black or African American alone	10,336	±387	12	±13	45	±54
American Indian and Alaska Native alone	89	±38	0	±13	0	±13
Asian alone	765	±105	0	±13	0	±13
Native Hawaiian and Other Pacific Islander alone	2	±4	0	±13	0	±13
Some other race alone	510	±213	0	±13	0	±13
▼ Two or more races:	3,977	±541	70	±53	39	±39
Two races including Some other race	774	±311	26	±41	12	±20
Two races excluding Some other race, and three or more races	3,203	±417	44	±42	27	±33
▼ Hispanic or Latino:	6,053	*****	97	±117	48	±48
White alone	2,924	±434	81	±114	12	±16
Black or African American alone	66	±54	0	±13	0	±13
American Indian and Alaska Native alone	194	±163	0	±13	0	±13
Asian alone	4	±7	0	±13	0	±13
Native Hawaiian and Other Pacific Islander alone	0	±30	0	±13	0	±13
Some other race alone	1,605	±406	3	±5	36	±46
▼ Two or more races:	1,260	±420	13	±20	0	±13
Two races including Some other race	1,155	±421	0	±13	0	±13
Two races excluding Some other race, and three or more races	105	±56	13	±20	0	±13

Table Notes

Hispanic or Latino Origin by Race

Survey/Program: American Community Survey
Universe: Total population
Year: 2022
Estimates: 5-Year
Table ID: B03002

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, the decennial census is the official source of population totals for April 1st of each decennial year. In between censuses, the Census Bureau's Population Estimates Program produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

Information about the American Community Survey (ACS) can be found on the ACS website. Supporting documentation including code lists, subject definitions, data accuracy, and statistical testing, and a full list of ACS tables and table shells (without estimates) can be found on the Technical Documentation section of the ACS website.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the [Methodology](#) section.

Source: U.S. Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see ACS Technical Documentation). The effect of nonsampling error is not represented in these tables.

The Hispanic origin and race codes were updated in 2020. For more information on the Hispanic origin and race code changes, please visit the American Community Survey Technical Documentation website.

The 2018-2022 American Community Survey (ACS) data generally reflect the March 2020 Office of Management and Budget (OMB) delineations of metropolitan and micropolitan statistical areas. In certain instances, the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB delineation lists due to differences in the effective dates of the geographic entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on 2020 Census data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Explanation of Symbols:

- The estimate could not be computed because there were an insufficient number of sample observations. For a ratio of medians estimate, one or both of the median estimates falls in the lowest interval or highest interval of an open-ended distribution. For a 5-year median estimate, the margin of error associated with a median wa larger than the median itself.
- N The estimate or margin of error cannot be displayed because there were an insufficient number of sample cases in the selected geographic area.
- (X) The estimate or margin of error is not applicable or not available.
- median- The median falls in the lowest interval of an open-ended distribution (for example "2,500-")
- median+ The median falls in the highest interval of an open-ended distribution (for example "250,000+").
- ** The margin of error could not be computed because there were an insufficient number of sample observations.
- *** The margin of error could not be computed because the median falls in the lowest interval or highest interval of an open-ended distribution.
- ***** A margin of error is not appropriate because the corresponding estimate is controlled to an independent population or housing estimate. Effectively, the corresponding estimate has no sampling error and the margin of error may be treated as zero.

Poverty Status in the Past 12 Months by Sex by Age



Note: This is a modified view of the original table produced by the U.S. Census Bureau. This download or printed version may have missing information from the original table.

Label	Madison County, Indiana		Census Tract 101; Madison County; Indiana		Census Tract 105; Madison County; Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
▼ Total:	124,458	±320	3,051	±178	3,418	±419
➤ Income in the past 12 months below poverty level:	17,600	±1,500	303	±150	417	±236
➤ Income in the past 12 months at or above poverty level:	106,858	±1,544	2,748	±265	3,001	±423

Table Notes

Poverty Status in the Past 12 Months by Sex by Age

Survey/Program: American Community Survey
Universe: Population for whom poverty status is determined
Year: 2022
Estimates: 5-Year
Table ID: B17001

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, the decennial census is the official source of population totals for April 1st of each decennial year. In between censuses, the Census Bureau's Population Estimates Program produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

Information about the American Community Survey (ACS) can be found on the ACS website. Supporting documentation including code lists, subject definitions, data accuracy, and statistical testing, and a full list of ACS tables and table shells (without estimates) can be found on the Technical Documentation section of the ACS website.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the [Methodology](#) section.

Source: U.S. Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see ACS Technical Documentation). The effect of nonsampling error is not represented in these tables.

The 2018-2022 American Community Survey (ACS) data generally reflect the March 2020 Office of Management and Budget (OMB) delineations of metropolitan and micropolitan statistical areas. In certain instances, the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB delineation lists due to differences in the effective dates of the geographic entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on 2020 Census data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Explanation of Symbols:

-

The estimate could not be computed because there were an insufficient number of sample observations. For a ratio of medians estimate, one or both of the median estimates falls in the lowest interval or highest interval of an open-ended distribution. For a 5-year median estimate, the margin of error associated with a median was larger than the median itself.

N

The estimate or margin of error cannot be displayed because there were an insufficient number of sample cases in the selected geographic area.

(X)

The estimate or margin of error is not applicable or not available.

median-

The median falls in the lowest interval of an open-ended distribution (for example "2,500-").

median+

The median falls in the highest interval of an open-ended distribution (for example "250,000+").

**

The margin of error could not be computed because there were an insufficient number of sample observations.

The margin of error could not be computed because the median falls in the lowest interval or highest interval of an open-ended distribution.

A margin of error is not appropriate because the corresponding estimate is controlled to an independent population or housing estimate. Effectively, the corresponding estimate has no sampling error and the margin of error may be treated as zero.



Bridge Scoping Application Report

NBI: 002560 for 9/24/2020

4/5/2021

Bridge

Approved

Last Edited Date	2/12/2021	Work Type	Bridge Replacement
Last Updated By	System, DTIMS	Work Category	District Bridge Project (Replacement)
Proposed FY	2026	Score	61
Pre-DES		NBI #	002560

Bridge Project Details

Route		CL Measure From		Updated By	BULK LOAD
State Log Date	09/24/2020	CL Measure To			

Bridge Attributes

District	3	Sub	
County	48 - Madison	Route	
Reference Post		Offset	
Latitude		Longitude	
Existing Structure	009-48-00157 B	Structure Type	102 - Concrete Stringer/M
Route Over	SR 9	Route Under	MUD CREEK
Year Built	1923	Inspection Date	1/07/2021
Year Reconstruct	1953	Load Rating	39 Tons
Structure Length	29.70 Ft	Deck Wear Surface	5 - Fair Condition
Deck Width	43.10 Ft	Condition Of Deck	4 - Poor Condition (advanced deterioration)
Area	1290.00 Sq Ft	Condition Of Super Structure	4
Lanes Over	02	Condition Of Sub Structure	4 - Poor Condition (advanced deterioration)
Lanes Under	00	Scour Critical Evaluation Rating	7
Max Length Span	0028.0 Ft	Number Of Main Spans	001
Historical Significance	5 - Not Eligible		
Functional Class	6 - Minor Collector		

Past and Committed Projects Completed on this NBI

Des	Status	Contract	Letting	CN \$	Work Type	ADT	ADT Year
1702873	E			\$1,064,005.00	Bridge Replacement, Other Construction	4772	2015
1900108	E			\$1,387,869.00	Bridge Replacement, Other Construction	4357	2017
0810180	H	31737	07/07/2010	\$17,070.00	Scour Protection (Erosion)		

Project Proximity Search using 0.00 mile radius

FY	Awarded	To Let	Call	Prop.	Prov.	CN \$
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Purpose/Need of Project

Full Scope Needed?	Yes	Historic Bridge Alt Analysis needed?	No
Purpose	<p>INDOT has identified the need to address the deteriorated condition of INDOT Bridge #001-38-03354 A (NBI# 000350). The bridge was inspected by INDOT in January 2019. The concrete girders at the superstructure have cracks and large spalls at the bearing seats on the South side. The mudwalls have very heavy delaminations and spalls with rebar exposed South. There is heavier spalling South. There is movement of 1.5" to the South on the alignment of the superstructure. At the substructure, the bridge seats have heavy map cracking with efflorescence. There is heavier spalling in the corners South. The breastwalls have cracks and fairly heavy efflorescence, especially South. There is a wide crack in the center of both abutments. Sub. Rating: 5/Super. Rating: 5</p>		

The purpose of this project is to address the overall structural, geometric and hydraulic deficiencies associated with the bridge, and to provide continued safe vehicular passage at this location for at least 75 years.

H-8



Bridge Scoping Application Report

NBI: 002560 for 9/24/2020

4/5/2021

Own It: Alternatives

Preliminary Alternatives That Are Contemplated (Analyzed) With Costs

The preferred alternative is a total replacement of the existing bridge.

The maintenance of traffic for this project will require closure of SR 9 with official and local detours.

The total project cost is estimated to be \$1,711,000 (including \$350,000 for preliminary engineering in fiscal year (FY) 2026 and \$1,361,000 in construction cost for FY 2026).

The preferred alternative satisfies the purpose and need for the project as described above.

Consequences If No Action Is Taken Do Nothing Alternative Is Selected

If nothing is done to address the need of the asset, the existing structure will continue to deteriorate until failure and an unscheduled closure of the road will be required to mediate with a less cost effective treatment.

Secondary Considerations or Goals With Costs

A potential to bundle this project with the road project being proposed for funding in FY 2027 (PK 30169)

Will Further Analysis/Assessment Be Required Beyond This Form? Yes

Solve It: Project Recommendations And Costs

Potential Design Exceptions and Open Road Ideas

Estimated Total Project Costs

Phase	Amount	Comments
Right of Way Purchase	\$ 20,000	
Right of Way Services		
Preliminary Engineering 1	\$ 350,000	
Railroad PE 1		
Utilities PE		
Utilities CN		
Construction Total \$1,361,000		
Construction	\$ 1,215,944	
Maintenance of Traffic	\$ 145,056	
ADA		
Sidewalks/ Multi Use Paths		
Other Considerations		
Total	\$1,731,000	

Maintenance of Traffic

Can the road be closed to traffic?	Yes	Interstate Congestion Policy Waiver Required?	No
Traffic Management Plan Required?	Yes		
Anticipated MOT Scheme Value	Detour		

Other Considerations

Anticipated Number of Construction Seasons To Complete	1
Anticipated Number of Years To Complete Design	5
Environmental Document Type	CE1
Environmental Factors	



Bridge Scoping Application Report

NBI: 002560 for 9/24/2020

4/5/2021

Additional Anticipated Complications

Tree Clearing	No
Fish	No
Bats	No
Historical	No
Potential Hazardous Coatings	No

Additional Comments

If, during any MOT phase, traffic is placed onto the existing shoulders, the shoulders should be investigated to ensure they have adequate strength to handle the shoulder running for the given timeframe of the MOT. This includes, but is not limited to, obtaining several cores, as necessary, during pavement design to ensure shoulder strength. If there is question or concern with the shoulder strength, the PM should reach out to the pavement asset engineer to discuss in further detail.

Supporting Documents

Document Type	Document Name	Date
SupportingDocuments	Location Map Bridge_002560.pdf	12/10/2020 10:32:2
SupportingDocuments	VVT Notes Bridge 002560 - Bridge Replacement.pdf	12/3/2020 3:23:30
CostEstimates	002560 Bridge Replacement Cost Estimate.pdf	11/19/2020 2:04:5
InspectionReports	002560 Bridge Inspection Report.pdf	11/19/2020 2:04:5
SupportingDocuments	002560 Bridge Scoring Sheet (11-05-20) - Revised Ratings.pdf	2/12/2021 7:03:08

Report Prepared By and Approved By

Title	Signature	
Submitted By Asset Engineer	Wineinger, Darryl	2/12/2021
Concur By Scoping Engineer	Aberra, Aschalew	2/12/2021
Approved By SAM	Groff, Amy	2/12/2021

Submittal Type	Major	Submittal Year	2026
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Images