

APPENDIX D

Section 106 of the NHPA

Des. No. 2100568



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758-ES
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

October 26, 2023

This letter was sent to the listed parties.

RE: Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project
Jackson and Ohio Townships, Bartholomew County
Des. No. 2100568/DHPA No. 30108

Dear Consulting Party,

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with Bridge No. 058-03-05882B carrying State Road (SR) 58 over White Creek Project (Des. No. 2100568).

This letter is part of the Section 106 review process for this project. Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. We are requesting comments from you regarding the possible effects of this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

A Section 106 early coordination letter for this project was distributed on November 29, 2022. In addition, a letter distributed on June 12, 2023 notified consulting parties that a Historic Property Short Report and an Archaeology Short Report (Tribes only) were available for review and comment.

The undertaking is located at the intersection of SR 58 and County Road (CR) 700 South (S) in Bartholomew County, Indiana. It is within Jackson and Ohio Townships, Indiana USGS Topographic Quadrangle, in Sections 25 and 36, Township 8 North, Range 4 East. The project area can be viewed online at <https://arcg.is/jqueP> (the Des. No. is the most efficient search term once in the CRO - Public Web Map App).

The need for the project is due to poor road geometry, and the condition of the existing bridge structure which shows deterioration and scouring around the substructure. A report revealed longitudinal cracking and spalling on the top of the deck in the eastbound lane, erosion of the bank corners due to improper alignment with the channel, and damaged sections of the guardrail. The Structural Evaluation appraisal rating was fair and the Deck Geometry appraisal rating was poor. The purpose of the project is to address the deterioration of the bridge, improve the hydraulic conditions, and provide current standard safety devices.

The preferred alternative is to remove and replace the existing bridge. The existing structure, Bridge No. 058-05882B, is a single span prestressed concrete box beam bridge. It was constructed in 1968, and the superstructure and deck were replaced in 1980. The span length is 67 feet with an approximate height of 12.5 feet. The roadway consists of two 12-foot travel lanes. The preferred replacement structure is a 100-foot, three-span continuous concrete slab structure. Riprap and geotextile will be placed around the piers and abutments to protect the substructure from scouring. The new bridge will be built on a new horizontal alignment and the intersection at SR 58 and CR 700 S will be reconstructed to be perpendicular. Project limits are anticipated to extend 950 feet along SR 58 and 325 feet along CR 700 S. Up to 7.5 acres

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of additional permanent right of way will be required for the project to realign SR 58; no relocations are anticipated for the project. Maintenance of traffic during construction will involve the intersection to be closed with a detour route using Interstate 65 (I-65), SR 11, and SR 258.

Metric Environmental, LLC, is under contract with Corradino, LLC, to advance the environmental documentation for the referenced project.

In accordance with 36 CFR 800.2 (c), you were invited to become a consulting party as part of the Section 106 process, or you are hereby invited to become a consulting party as part of the Section 106 process. Entities that have previously accepted consulting party status--as well as additional entities that are currently being invited to become consulting parties--are identified in the attached list.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, to assess the undertaking's effects and to seek ways to avoid, minimize, or mitigate any adverse effects on historic properties. For more information regarding the protection of historic resources, please see the Advisory Council on Historic Preservation's guide: *Protecting Historic Properties: A Citizen's Guide to Section 106 Review* available online at <https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf>.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic resources. The APE contains no resources listed in the National Register of Historic Places (NRHP).

A historian who meets the Secretary of the Interior's Professional Qualification Standards identified and evaluated above-ground resources within the APE for potential eligibility for the NRHP. As a result of the historic property identification and evaluation efforts, no above-ground resources are recommended as eligible for listing in the NRHP.

With regard to archaeological resources, an archaeologist who meets the Secretary of the Interior's Professional Qualification Standards identified no sites within the project area. As a result of these efforts, no sites are recommended as eligible for listing in the NRHP and no further work is recommended.

The No Historic Properties Affected finding and 800.11 documentation is available for review in IN SCOPE at <http://erms12c.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE). You are invited to review these documents and to respond with comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party or if you have not previously accepted consulting party status and you do not respond to this letter, you will not be included on the list of consulting parties for this project and will not receive further information about the project unless the design changes.

For questions concerning specific project details, you may contact Candace Hudziak of Metric Environmental, LLC, at 317-443-4123 or candaceh@metricenv.com. All future responses regarding the proposed project should be forwarded to Metric Environmental, LLC, at the following address:

Candace Hudziak
Architectural Historian
Metric Environmental, LLC
6958 Hillside Court

Indianapolis, IN 46250
candaceh@metricenv.com

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon, at mcoon@indot.in.gov; (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Sincerely,



Matthew S. Coon, Manager
Cultural Resources Office
Environmental Services

*Enclosures:
Distribution List*

Distribution List

Beth McCord, Deputy SHPO
Department of Natural Resources
Division of Historic Preservation and Archaeology
402 West Washington Street, Room W274
Indianapolis, IN 46204-2739
BMCCord@dnr.IN.gov

Tribal Consulting Party Contacts:

Eastern Shawnee Tribe of Oklahoma

Miami Tribe of Oklahoma

Delaware Nation of Oklahoma

**FEDERAL HIGHWAY ADMINISTRATION'S
SECTION 4(F) COMPLIANCE REQUIREMENTS (for historic properties) AND
SECTION 106 FINDINGS AND DETERMINATIONS
AREA OF POTENTIAL EFFECT
ELIGIBILITY DETERMINATIONS
EFFECT FINDING
BRIDGE NO. 058-03-05882B CARRYING STATE ROAD 58 OVER WHITE CREEK PROJECT
DES. NO.: 2100568; DHPA NO. 30108**

**AREA OF POTENTIAL EFFECTS
(Pursuant to 36 CFR Section 800.4(a)(1))**

The Area of Potential Effects (APE) extends at least 500 feet beyond the project end points, and at least one property deep on each side of State Road 58 (SR 58) and County Road 700 South (CR 700 S). The APE for archaeology is the project footprint. The map of the APE can be found in Appendix A.

**ELIGIBILITY DETERMINATIONS
(Pursuant to 36 CFR 800.4(c)(2))**

The APE contains no properties listed in, or eligible for listing in, the National Register of Historic Places (NRHP).

EFFECT FINDING

INDOT, acting on FHWA's behalf, has determined a "No Historic Properties Affected" finding is appropriate for this undertaking.

INDOT respectfully requests the Indiana State Historic Preservation Officer provide written concurrence with the Section 106 determination of effect.

SECTION 4(F) COMPLIANCE REQUIREMENTS (for historic properties)

This undertaking will not convert property from any Section 4(f) historic property to a transportation use; the INDOT, acting on FHWA's behalf, has determined the appropriate Section 106 finding is "No Historic Properties Affected"; therefore no Section 4(f) evaluation is required.



Matthew S. Coon, for FHWA
Manager
INDOT Cultural Resources

October 26, 2023

Approved Date

**FEDERAL HIGHWAY ADMINISTRATION
DOCUMENTATION OF SECTION 106 FINDING OF
NO HISTORIC PROPERTIES AFFECTED
SUBMITTED TO THE STATE HISTORIC PRESERVATION OFFICER
PURSUANT TO 36 CFR Section 800.4(d)(1)
BRIDGE NO. 058-03-05882B CARRYING STATE ROAD 58 OVER WHITE CREEK PROJECT
DES. NO.: 2100568; DHPA NO. 30108**

1. DESCRIPTION OF THE UNDERTAKING

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), is advancing the Bridge No. 058-03-05882B carrying State Road (SR) 58 over White Creek Project (Des. No. 2100568). The proposed undertaking is at the intersection of State Road (SR) 58 and County Road (CR) 700 South (S), approximately 1.5 miles north of the community of Mount Healthy and 5.6 miles west of Interstate 65 (I-65) in the southwestern portion of Bartholomew County, Indiana. It is within Jackson and Ohio Townships, Indiana USGS Topographic Quadrangle, in Sections 25 and 36, Township 8 North, Range 4 East. See Appendix A for maps of the project location.

The project area is located in a rural setting, with area land uses including wooded parcels immediately north and south of the bridge, with agricultural fields and single-family residential, religious, and educational buildings also present. The area's general topography is hilly within the White Creek watershed, but beyond that the topography is generally flat. The only transportation routes present in the project area are two-lane roadways; no other transportation facilities are present.

The primary need of the project is due to the condition of the existing structure, which shows deterioration of the substructure and scour around the substructure units, as well as poor roadway geometry. The purpose of the project is to address the deteriorating condition of the existing structure, improve the hydraulic condition of the crossing, and improve roadside safety at the project site.

The preferred alternative is to remove and replace the existing bridge. The existing structure, Bridge No. 058-05882B, is a single span prestressed concrete box beam bridge. It was constructed in 1968, and the superstructure and deck were replaced in 1980. The span length is 67 feet with an approximate height of 12.5 feet. The roadway consists of two 12-foot travel lanes. The preferred replacement structure is a 100-foot, three-span continuous concrete slab structure supported on integral end bents on piles and wall piers on piers. Riprap and geotextile will be placed around the piers and abutments to protect the substructure from scouring. The new bridge will be built on a new horizontal alignment and the intersection at SR 58 and CR 700 S will be reconstructed to be perpendicular.

Project limits are anticipated to extend 950 feet along SR 58 and 325 feet along CR 700 S. No relocations are anticipated to occur as a result of this undertaking. Up to 7.5 acres of additional permanent right of way will be required for the project to realign SR 58. Maintenance of traffic is anticipated to be a road closure with a detour route of Interstate 65 to SR 11 to SR 258. Local traffic may also use smaller side roads; truck traffic, however, would be required to use the detour. The Mount Healthy Elementary School and the Ogilville United Methodist Church are adjacent to the project area, and coordination with these facilities will occur to manage bus routes and maintain access to these buildings during construction. The proposed letting date is July 9, 2025.

The APE is the "geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The area of potential effects is influenced by the scale and nature of an undertaking and may be different for different kinds of effects caused by the undertaking" (36 CFR 800.16(d)). The APE includes all locations where the project may result in disturbance of the ground; all locations from which elements of the project may be visible or audible; all locations where activity may result in changes in traffic patterns, land use, or public access; and all areas where there may be direct or indirect effects due to elements of the project.

The APE for archaeology is the project footprint. For above-ground structures, the APE was defined as extending at least 500 feet beyond the project end points, and at least one property deep on each side of CR 300 North and CR 700 West.

Please refer to Appendix A for maps of the project area and the APE, Appendix B for project plans, and Appendix C for project site photographs.

2. EFFORTS TO IDENTIFY HISTORIC PROPERTIES

Per the National Historic Preservation Act of 1966, the State Historic Preservation Officer (SHPO) is entitled to participate in the Section 106 process as a consulting party. The following other individuals and organizations were invited by letter or email dated November 29, 2022 (refer to Appendix F, pages 2-9):

Indiana Landmarks, Central Regional Office
Landmark Columbus Foundation
Bartholomew County Historian, Dr. Tamara Stone Iorio
Bartholomew County Genealogical Society
Bartholomew County Historical Society
Columbus Area Metropolitan Planning Organization
Bartholomew County Commissioners: Carl H. Leinhoop, Larry Kleinhenz, Tony London
Bartholomew County Engineer, Danny Hollander, P.E.
Bartholomew County Highway Superintendent, Dwight D. Smith
Eastern Shawnee Tribe of Oklahoma
Miami Tribe of Oklahoma
Peoria Tribe of Indians of Oklahoma
Pokagon Band of Potawatomi Indians
Shawnee Tribe
Delaware Nation of Oklahoma
Delaware Tribe of Indians

In an email sent on November 29, 2022, Indiana Landmarks stated their wish not to participate as a consulting party to this undertaking (refer to Appendix F, page 10).

In a letter dated December 2, 2022, the Miami Tribe of Oklahoma accepted consulting party status and offered no objections to the project but requested that if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA), or archaeological evidence is discovered during any phase of the project, they be immediately consulted (refer to Appendix F, page 11).

In a letter dated December 29, 2022, the SHPO acknowledged receipt of the early coordination letter and suggested that Mount Healthy Elementary be invited to participate in the Section 106 consultation (refer to Appendix F, pages 12-13).

In a letter dated January 4, 2023, the Eastern Shawnee Tribe offered no objections to the project but requested immediate consultation within 24 hours if the project inadvertently discovered an archaeological site or object(s) (refer to Appendix F, page 14).

In a letter dated January 16, 2023, the Delaware Nation offered no objections to the project, but if human remains and/or any Native American archaeological resources inadvertently be uncovered, all construction and ground disturbing activities should immediately be halted until the appropriate state agencies and Delaware Nation are consulted (refer to Appendix F, page 15).

Efforts to identify properties in the APE included a check of data available online at the Indiana State Historic Architectural and Archaeological Research Database (SHAARD), the *Bartholomew County Interim Report: Indiana Historic Sites and Structures Inventory* (2012, Historic Landmarks Foundation of Indiana), the Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBM), the INDOT-Cultural Resources Office (CRO) Public Web Map App, and communication with consulting parties. Sources of information examined included National Register of Historic Places (NRHP) listings, Indiana Register of Historic Sites and Structures (IRHSS) listings, the Indiana Historic Bridge Inventory, archaeological site maps, cultural resources management reports, and cemetery records.

The literature review determined there are no NRHP-listed properties within the APE. No previously inventoried archaeological sites are located within the project area.

The results of field surveys were reported in a Historic Property Short Report (HPSR) (Vorndran, 6/12/2023) and an Archaeological Short Report (ASR) (Copenhaver, 5/27/2023). The principal investigators for these reports meet the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61. The HPSR and ASR identified no properties listed or eligible for listing in the NRHP.

A copy of the abstracts and conclusions for the HPSR and ASR are included in Appendices D and E, respectively.

A letter distributed on June 12, 2023, notified consulting parties that a HPSR and an archaeology report (Tribes only) were available for review and comment via INDOT's Section 106 document posting website IN SCOPE at <http://erms12c.indot.in.gov/Section106Documents/> (refer to Appendix F, pages 16-21). The full HPSR document may also be downloaded from IN SCOPE (the Des. No. is the most efficient search term, once in IN SCOPE). The letter also responded to the SHPO's request to add Mount Healthy Elementary as a consulting party by stating the property is outside of the APE and, thus, they were not included as a consulting party to this project.

In a letter dated July 6, 2023, the SHPO provided comments regarding the HPSR (Vorndran, 6/12/2023) and the archaeology report (Copenhaver and Stevenson, 5/27/2023) (refer to Appendix F, pages 22-23). The SHPO concurred that the APE proposed in the HPSR appears to be of adequate size to encompass the effects of the undertaking. The SHPO also agreed that no historic properties are listed or eligible for listing in the National Register of Historic Places within the APE. The SHPO also concurred with the ASR that no further archaeological work is necessary for this project.

In an email dated July 21, 2023, the Delaware Nation stated that they had no concern with the project (refer to Appendix F, page 11).

No other responses were received. Copies of consulting parties' responses are located in Appendix F.

3. BASIS FOR FINDING

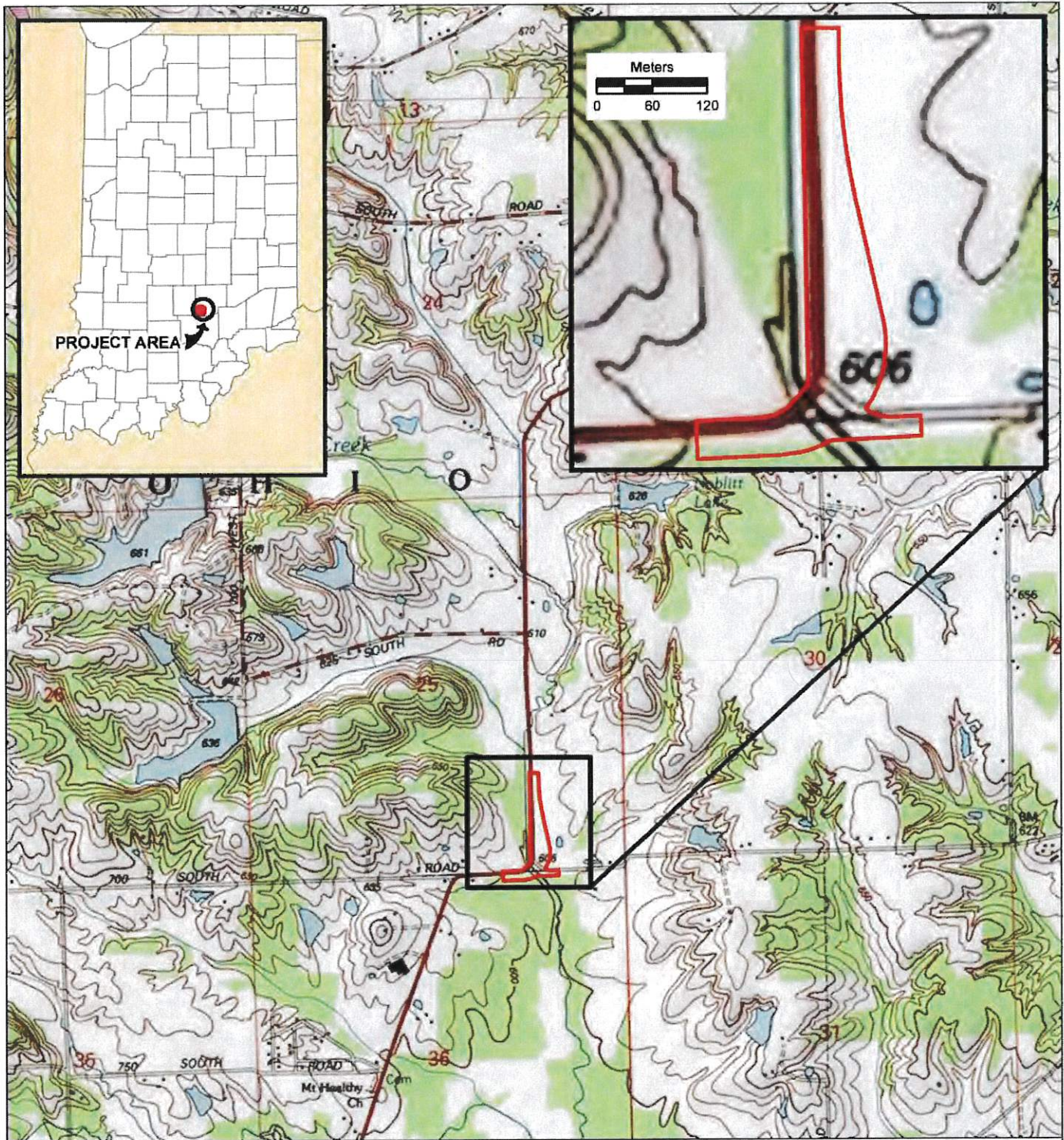
No consulting parties offered an objection to the proposed APEs and NRHP eligibility recommendations of both the project historian and archaeologist. Thus, since no historic properties are present within the APE, a finding of "No Historic Properties Affected" has been made for this undertaking.

INDOT's Finding, made on behalf of the FHWA, and supporting 800.11[d] documentation is hereby provided to the SHPO for a final 30-day comment period. Views of the public are being concurrently sought through publication of the Finding in the Columbus *Republic News*. This document will be revised, if necessary, if public comment warrants it.

APPENDICES

- A. Project Location Maps and Area of Potential Effects
- B. Project Plans
- C. Project Site Photographs and Key Map
- D. Historic Property Short Report Management Summary and Conclusions
- E. Archaeological Short Report Results and Recommendations
- F. Consulting Parties' List and Correspondence

APPENDIX A: Project Location Maps and Area of Potential Effects



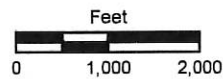
 Project Area

Figure 1. Project area on a portion of the 1962
Waymansville, IN, 7.5 Minute Quadrangle
Bridge No. 058-03-0588B carrying State Road 58 over
White Creek Project
Jackson & Ohio Townships, Bartholomew County, Indiana
Des. No. 2100568
Metric Project No. 21-0217
Map Date: 11/01/2022

All Locations Approximate
1962 Basemap



1 inch = 2,000 feet





Project Area

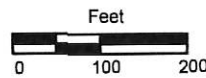
Figure 2. Project area on an aerial photograph
 Bridge No. 058-03-0588B carrying State Road
 58 over White Creek Project
 Jackson & Ohio Townships,
 Bartholomew County, Indiana
 Des. No. 2100568
 Metric Project No. 21-0217
 M&P Date: 11/07/2022

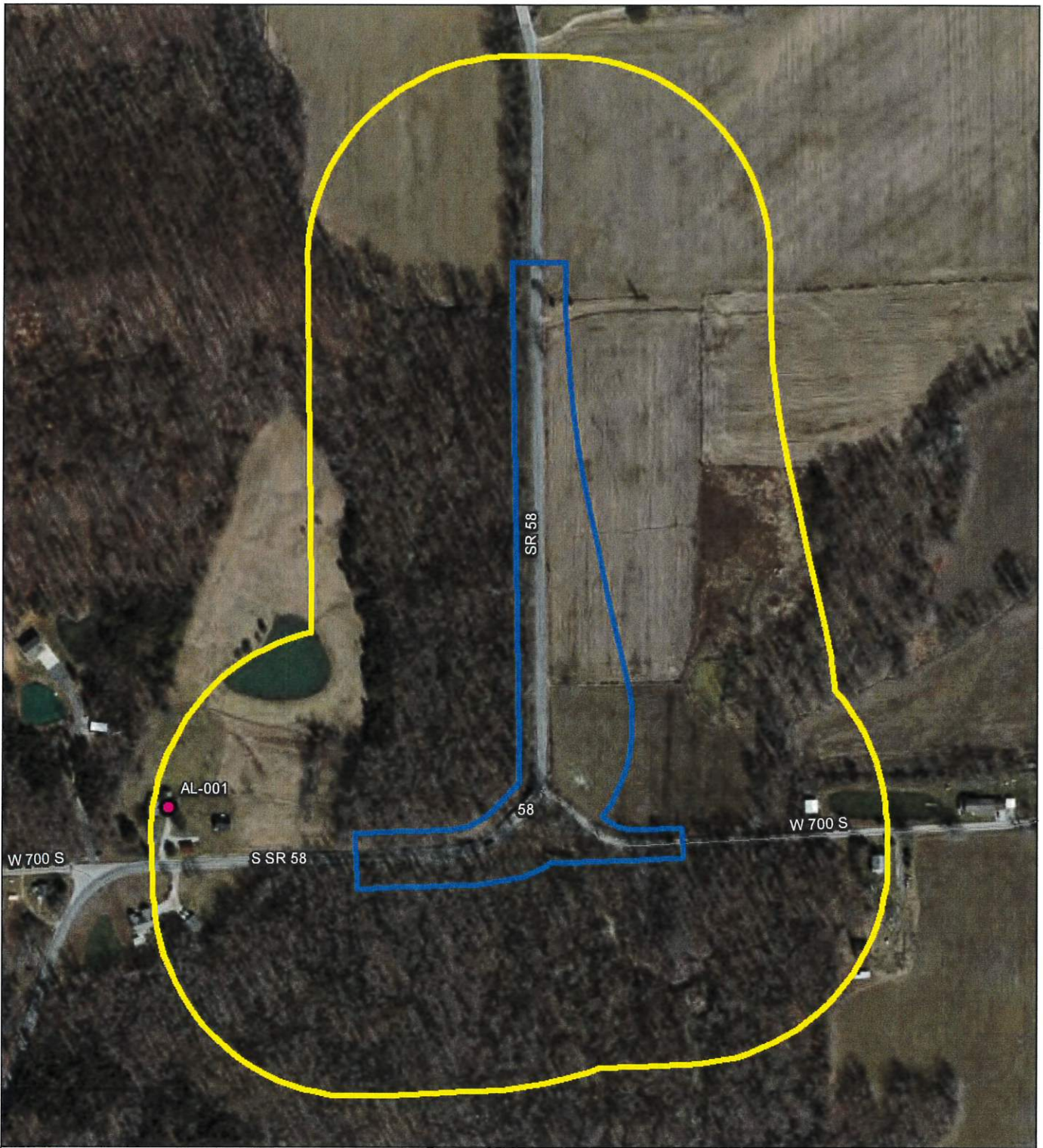
All Locations Approximate
 2013 Basemap

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



1 inch = 200 feet



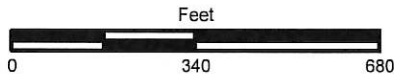


- Project Area
- APE
- Architectural Location

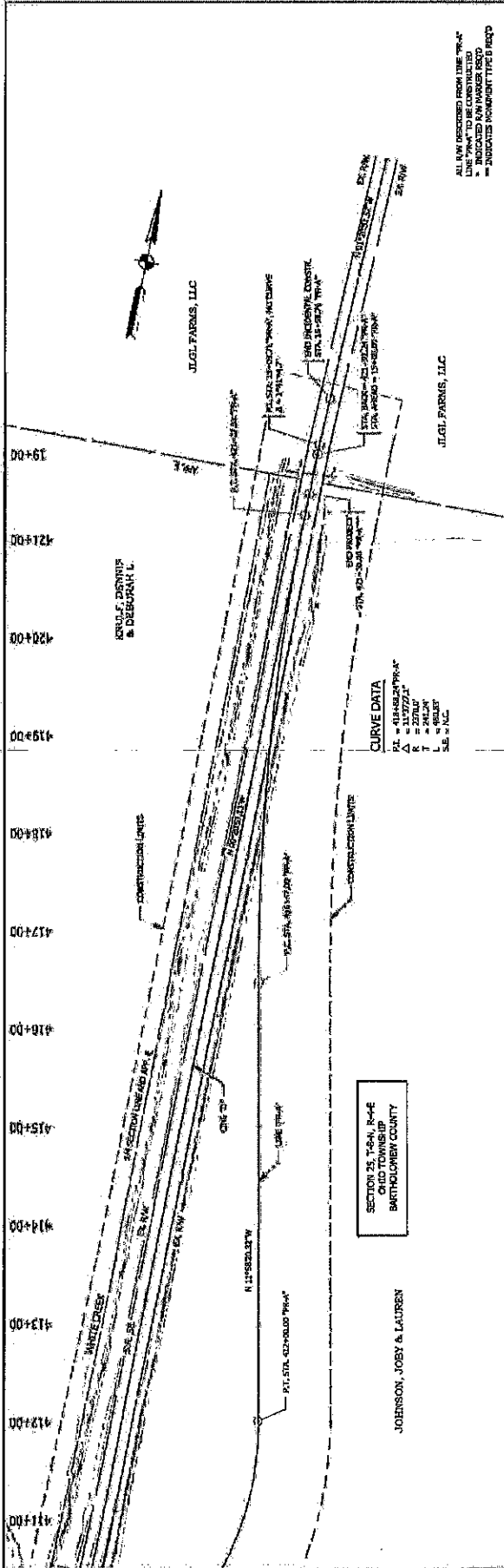
Figure 3. Architectural Location Map
 State Road 58 Over White Creek Bridge Project
 Jackson & Ohio Townships,
 Bartholomew County, Indiana
 Des. No. 2100568
 Metric Project No. 21-0217
 Map Date: 01/17/2023

All Locations Approximate
 2013 Basemap
 Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics,
 IGN, and the GIS User Community

1 inch = 340 feet



APPENDIX B: Project Plans



ELEVATION	POINT NO.		EAST	NORTH	ELEVATION	DESCRIPTION
	1	2				
630	TM #1					
620	TM #2					
610	TM #3					
600						
590						
580						
570						
560						

INDIANA
DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
LINE "PR-A"

PRELIMINARY

DESIGNED BY: [Blank]	DESIGNED BY: [Blank]
CHECKED BY: [Blank]	CHECKED BY: [Blank]
DATE: [Blank]	DATE: [Blank]
PROJECT NO.: [Blank]	PROJECT NO.: [Blank]
CONTRACT NO.: [Blank]	CONTRACT NO.: [Blank]
SECTION: [Blank]	SECTION: [Blank]

HORIZONTAL SCALE: 1" = 50'-0"
 VERTICAL SCALE: 1" = 10'-0"
 DATE: [Blank]
 PROJECT: [Blank]

APPENDIX C: Project Site Photographs and Key Map



- Project Area ● Architectural Location
- APE Photo Direction

Photo Direction Map
 State Road 58 Over White Creek Bridge Project
 Jackson & Ohio Townships,
 Bartholomew County, Indiana
 Des. No. 2100568
 Metric Project No. 21-0217
 Map Date: 01/17/2023

All Locations Approximate
 2013 Basemap
 Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics,
 IGN, and the GIS User Community

1 inch = 340 feet

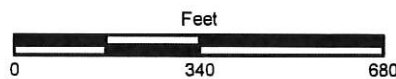




Photo 1. View of State Road 58 facing east from the west end of the APE



Photo 2. View of 11680 East State Road 58, AL-001, rated Contributing, facing north from State Road 58



Photo 3. View of 11685 East State Road 58 (c.1999, rated Non-Contributing) facing south from State Road 58



Photo 4. Streetscape view of Bridge No. 058-03-05882B carrying State Road 58 over White Creek facing northeast



Photo 5. View of south side of Bridge No. 058-03-05882B carrying State Road 58 over White Creek facing northeast

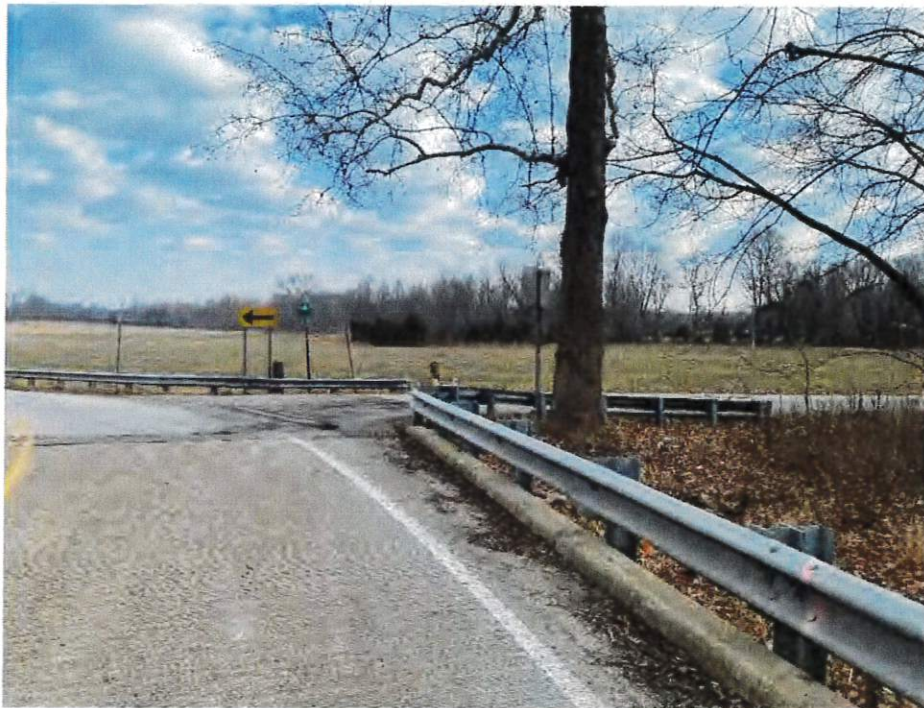


Photo 6. View of the intersection of State Road 58 and County Road 700 South from State Road 58 facing northeast



Photo 7. View of County Road 700 South facing southeast from the intersection of State Road 58 and County Road 700 South



Photo 8. View of the south side of a concrete culvert, construction date unknown, under County Road 700 South facing northeast



Photo 9. View of County Road 700 South facing west from County Road 700 South



Photo 10. View of 9550 West 700 South (c.1960, rated Non-Contributing) facing northeast from County Road 700 South



Photo 11. View of County Road 700 South showing 9550 West 700 South facing west from the east end of the APE



Photo 12. View of State Road 58 facing south from the north end of the APE

APPENDIX D: Historic Property Short Report Management Summary and Conclusions

HISTORIC PROPERTY SHORT REPORT

BRIDGE NO. 058-03-05882B CARRYING
STATE ROAD 58 OVER WHITE CREEK PROJECT
DES. NO. 2100568/DHPA NO. 30108
JACKSON AND OHIO TOWNSHIPS,
BARTHOLOMEW COUNTY, INDIANA

PREPARED FOR:

CORRADINO LLC
200 SOUTH MERIDIAN STREET, SUITE 330
INDIANAPOLIS, IN 46225

LEAD AGENCY:

FEDERAL HIGHWAY ADMINISTRATION
Prepared by:



Complex Environment. Creative Solutions.

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Indianapolis, IN 46256
Telephone: 317.400.1633
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A handwritten signature in black ink that reads "Zoe Vorndran".

Zoe Vorndran, QP
Investigator
zoev@metricenv.com

A handwritten signature in black ink that reads "Candace Hudziak".

Candace Hudziak, QP
Investigator
candaceh@metricenv.com

June 12, 2023

MANAGEMENT SUMMARY

This report documents the identification and evaluation efforts for properties included in the Area of Potential Effects (APE) for the Bridge No. 058-03-05882B carrying State Road 58 over White Creek project in Jackson and Ohio townships, Bartholomew County, Indiana. Above-ground resources located within the APE were identified and evaluated in accordance with Section 106, National Historic Preservation Act (NHPA) of 1966, as amended, and the regulations implementing Section 106 (36 CFR Part 800).

As a result of the NHPA, as amended, and CFR Part 800, federal agencies are required to take into account the impact of federal undertakings upon historic properties in the area of the undertaking. Historic properties include buildings, structures, sites, objects, and/or districts that are eligible for or listed in the National Register of Historic Places (NRHP). As this project is receiving funding from the Federal Highway Administration (FHWA), it is subject to a Section 106 review.

The APE contains no properties listed in the NRHP.

The APE contains no properties that are recommended eligible for listing in the NRHP.

CONCLUSION

The APE contains no properties listed in the NRHP.

As a result of identification and evaluation efforts for this project, no properties are recommended eligible for listing in the NRHP.

APPENDIX E: Archaeology Short Report Results and Recommendations

ARCHAEOLOGICAL SHORT REPORT

PHASE IA ARCHAEOLOGICAL RECONNAISSANCE SURVEY FOR THE
PROPOSED BRIDGE NO. 058-03-05882B CARRYING SR 58 OVER WHITE
CREEK BRIDGE PROJECT, 5.6 MILES WEST OF I-65, JACKSON AND OHIO
TOWNSHIPS, BARTHOLOMEW COUNTY, INDIANA
(INDOT DES. NO. 2100568; DHPA NO. 30108)

PREPARED FOR:

CORRADINO, LLC
200 SOUTH MERIDIAN STREET, SUITE 330
INDIANAPOLIS, IN 46225
TELEPHONE: (317) 744-9857

LEAD AGENCY:

FEDERAL HIGHWAY ADMINISTRATION

Prepared by:

Megan Copenhaver, MA, RPA, and
Christopher M. Stevenson, MS, RPA



Complex Environment. Creative Solutions.

6958 Hillside Court
Indianapolis, IN 46250
Telephone: 317.400.1633
www.metricenv.com

A handwritten signature in cursive script that reads "Samuel P. Snell".

Samuel P. Snell, MS, RPA
Archaeological Principal Investigator
sams@metricenv.com

May 22, 2023



**INDIANA ARCHAEOLOGICAL
SHORT REPORT**

State Form 54566 (R3 / 3-22)

**INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF HISTORIC PRESERVATION AND ARCHAEOLOGY**
402 West Washington Street, Room W274
Indianapolis, Indiana 46204-2739
Telephone Number: (317) 232-1646
Fax Number: (317) 232-0693
E-mail: dhpa@dnr.IN.gov

Where applicable, the use of this form is recommended but not required by the Division of Historic Preservation and Archaeology (DHPA).

Name(s) of author(s) Megan Copenhaver, MA, RPA and Christopher Stevenson, MS, RPA		Date (month, day, year) May 22, 2023
Title of project Phase Ia Archaeological Reconnaissance Survey for the Proposed Bridge No. 058-03-05882B Carrying SR 58 over White Creek Bridge Project, 5.6 Miles West of I-65, Jackson and Ohio Townships, Bartholomew County, Indiana (INDOT Des. No. 2100568; DHPA 30108)		
This document is being used to report on the results of: <input type="checkbox"/> Records check only <input checked="" type="checkbox"/> Records check and Phase 1a archaeological reconnaissance <input type="checkbox"/> An addendum to a previous archaeological report. For an addendum, provide the following information.		
Name(s) of author(s) of previous report NA		
Title of previous report NA		
Date of previous report (month, day, year) NA	DHPA number NA	

PROJECT OVERVIEW

Description of project
The proposed project involves Bridge No. 058-03-05882B carrying State Road (SR) 58 over White Creek located 9 kilometers (km) (5.6 miles [mi]) west of Interstate 65 (I-65) in Jackson and Ohio Townships, Bartholomew County, Indiana (Figure 1). The existing bridge is a single-span prestressed concrete structure constructed in 1968. The preferred alternative is to remove and replace this existing structure. The replacement structure will be a three-span, 30.5-meter (m) (100-foot [ft]) reinforced continuous concrete bridge. Riprap will be replaced for scour protection along the abutments of the new bridge and along the banks near the existing structure where White Creek turns. The new structure will be built on a new horizontal alignment to better align with the stream and to improve roadside safety at the project site. The new alignment will shift SR 58 to the east into an existing agricultural field. In order to accomplish this work, fill slopes and pavement will be constructed along the new alignment. The existing slopes of SR 58 will be removed as part of this project. The intersection of SR 58 and West County Road 700 South (W CR 700 S) will be regraded to tie into the new roadway centerline. Incidental construction includes milling and resurfacing of pavement, installing guardrail, and regrading field entrances at the project site. Up to 3.0 hectares (ha) (7.5 acres [ac]) of additional permanent right-of-way (ROW) will be required for the project to realign SR 58.

The primary need for the project is due to the condition of the existing structure, which shows deterioration of the substructure and scour around the substructure units, as well as poor roadway geometry. The purpose of the project is to address the deteriorating condition of the existing structure, improve the hydraulic condition of the crossing, and improve roadside safety at the project site.

The survey area will extend 391 m (1,282.8 ft) north along SR 58 from the intersection, 154.5 m (506.9 ft) southwest along SR 58 from the intersection, and 114.1 m (374.3 ft) southeast along CR 700 S from the intersection.

The project encompasses an area of 3.8 ha (9.3 ac), which corresponds to the Phase Ia survey area.

INDOT designation number(s) 2100568	Project number 21-0217	DHPA number 30108	DHPA plan number
Prepared for: (Company / Institution / Agency) Corradino, LLC			
Name of contact Zed Z. Hott, PE, SE			
Address (number and street, city, state, and ZIP code) 200 South Meridian Street, Suite 330, Indianapolis, IN 46225			
Telephone number (317) 744-9857	E-mail address zhott@corradino.com		
Name of principal investigator Samuel P. Snell, MS, RPA			
Name of company / institution Metric Environmental, LLC			
Address (number and street, city, state, and ZIP code) 6958 Hillsdale Court, Indianapolis, IN 46250			

or yellowish brown (10YR 5/6) silty clay loam extending to 50 cm (19.7 in) with no subsoil encountered. STPs 1 and 3 (soil cores) displayed similar soil profiles of brown (10YR 4/3) silty clay loam extending to 100 cm (39.4 in) with no subsoil encountered. STPs 5 and 9 (soil cores) displayed similar soil profiles of brown (10YR 4/3) silty clay loam mottled with grayish brown (10YR 5/2) silty clay loam extending to 100 cm (39.4 in) with no subsoil encountered. STP 7 (soil core) displayed a soil profile of grayish brown (10YR 5/2) silty clay loam extending to 100 cm (39.4 in) with no subsoil encountered. Transect 2 was located from east of White Creek to the southeastern terminus and consisted of seven STPs. STPs 2, 4, and 6 displayed similar soil profiles of brown (10YR 4/3) silty clay loam extending to 50 cm (19.7 in) with no subsoil encountered. STPs 1 and 3 (soil cores) displayed similar soil profiles of brown (10YR 4/3) silty clay loam extending to 100 cm (39.4 in) with no subsoil encountered. STPs 5 and 7 (soil cores) displayed similar soil profiles of brown (10YR 4/3) silty clay loam extending to 25-40 cm (9.8-15.7 in) underlain by grayish brown (10YR 5/2) silty clay loam mottled with brown (10YR 4/3) silty clay loam extending to 100 cm (39.4 in).

The soils within the survey areas mapped as the Stendal series do not match its general description; the soils encountered in the survey area do match those of the Bonnie series and are geographically associated with the Stendal series. The Bonnie series consists of very deep, poorly drained and very poorly drained soils formed in silty alluvium on flood plains. Bonnie soils have also been identified as hydric soil.

RECOMMENDATIONS

Records check (Check all that apply)

- No archaeological investigation is recommended before the project is allowed to proceed because the records check has determined that the project area does not have the potential to contain archaeological resources.
- A Phase 1a archaeological reconnaissance is recommended.
- Based upon the records check results, a Phase 1a archaeological reconnaissance was recommended and has been conducted.
- A cemetery development plan may be required under Indiana Code 14-21-1-26.5 because project ground disturbance will be within 100 feet of a cemetery.

Phase 1a archaeological reconnaissance (Check all that apply)

- It is recommended that the project be allowed to proceed as planned because the Phase 1a archaeological reconnaissance has located no archaeological sites within the project area and/or previously recorded sites that were investigated warrant no additional investigation.
- It is recommended that Phase 1c archaeological subsurface reconnaissance be conducted before the project is allowed to proceed. The Phase 1a archaeological reconnaissance has determined that the project area includes landforms which have the potential to contain buried archaeological deposits.

Other recommendations / commitments

Phase 1c archaeological subsurface reconnaissance is not recommended because Bonnie soil types are not conducive to buried archaeological resources. Additionally, other than the bridge construction itself the majority of the planned construction will only reach approximately 1-m (3-ft) deep and none of 1-m (3-ft) soil deep soil cores excavated showed evidence of potential buried surfaces.

In the unlikely event that archaeological deposits or human remains are encountered during the construction phase of the project, all work must cease within 30 m (100 ft) of the find and archaeologists from the Indiana Division of Historic Preservation and Archaeology and the Indiana Department of Transportation Cultural Resources Office will be notified.

Pursuant to IC-14-21-1, if any archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days. In that event, please call (317) 232-1646.

REQUIRED ATTACHMENTS

- Figure showing project location within Indiana
- USGS topographic map showing the project area (1:24,000 scale)
- Aerial photograph showing the project area, land use and survey methods
- Photographs of the project area, including, if applicable, photographs documenting disturbances
- Project plans (if available)

Other attachments

References cited (See short report instructions for required references to be consulted)

Acme Publishing Company
1900 Descriptive Atlas of Bartholomew County, Indiana. Acme Publishing Company, Chicago, IL.

Bartholomew County Directory Company
1904 Map of Bartholomew County, Indiana Showing System of Rural Free Delivery. Bartholomew County Directory Company, Columbus, IN.

Clevenger, Cyrus R.
1925 Map of Bartholomew County, IN. Cyrus R. Clevenger, Bloomington, IN.

APPENDIX F: Consulting Parties' List and Correspondence

List of Invited Consulting Parties (with those who accepted in **bold**)

**Department of Natural Resources
Division of Historic Preservation and
Archaeology
402 West Washington Street, Room W274
Indianapolis, IN 46204-2739**

Boone County Director of Highways
Nick Parr
1955 Indianapolis Ave.
Lebanon, IN 46052
nparr@co.boone.in.us

Indiana Landmarks, Central Regional Office
Alex Brooks
Community Preservation Specialist
1201 Central Avenue
Indianapolis, IN 46202-3204
abrooks@indianalandmarks.org
central@indianalandmarks.org

Dr. Tamara Stone Iorio Bartholomew
County Historian 4410 Osprey Drive
Columbus, IN 47203
tstoneiorio@comcast.net

Bartholomew County Genealogical Society
PO Box 2455 Columbus, IN 47202
Bcgs47202@yahoo.com

Bartholomew County Historical Society
Diane Robbins, Director 524 Third Street
Columbus, IN 47201-6724
[drobbings@bartholomewhistory.org](mailto:d Robbins@bartholomewhistory.org)

Columbus Area Metropolitan Planning
Organization Laura Thayer, Director 123
Washington Street Columbus, IN 47201
lthayer@columbus.in.gov

Boone County Commissioners
116 West Washington Street, Room 103
Lebanon, IN 46052
1. Don Lawson
commissioners@co.boone.in.us
2. Jeff Wolfe
jwolfe@co.boone.in.us
3. Thomas Santelli
commissioners@co.boone.in.us

Bartholomew County Engineer Danny
Hollander, P.E. 2452 State Street Columbus,
IN 47201 dhollander@bartholomew.in.gov

Bartholomew County Highway
Superintendent Dwight D. Smith 2452 State
Street Columbus, IN 47201
ddsmith@bartholomew.in.gov

Tribal Contacts:

Eastern Shawnee Tribe of Oklahoma
Miami Tribe of Oklahoma

Peoria Tribe of Indians of Oklahoma
Pokagon Band of Potawatomi Indians
Shawnee Tribe

Delaware Nation of Oklahoma
Delaware Tribe of Indians



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758-ES
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

November 29, 2022

This letter was sent to the listed parties.

**RE: Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project
Des. No. 2100568
Jackson and Ohio Townships, Bartholomew County, Indiana.**

Dear Consulting Party (see attached list),

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the Bridge No. 058-03-05882B carrying State Road (SR) 58 over White Creek Project (Des. No. 2100568). Metric Environmental, LLC, is under contract with Corradino, LLC, on the behalf of INDOT, to advance the environmental documentation for the referenced project.

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

The proposed undertaking is located on SR 58 and its intersection with West County Road 700 South at White Creek, approximately 1.5 miles north of the community of Mount Healthy and 5.6 miles west of Interstate 65, in southwestern Bartholomew County. It is within Jackson and Ohio townships, on the Waymansville, Indiana, USGS Topographic Quadrangle, in Sections 25 and 36, Township 8N, Range 4E.

Within the project area SR 58 is functionally classified as a Rural Major Collector consisting of two 12-foot travel lanes with 3-foot shoulders. The roadway's current alignment is curved in the project location. Bridge No. 058-03-05882B is a single span prestressed concrete bridge constructed in 1968. The structure is 67 feet long with a bridge deck width of 28.8 feet. In 1980 the bridge deck and superstructure were replaced, and no rehabilitation work has occurred to the structure since. Land use in the project area includes wooded areas immediately north and south of the bridge, with agricultural fields and low density residential, religious, and educational buildings in the project vicinity.

The primary need of the project is due to the condition of the existing structure, which shows deterioration of the substructure and scour around the substructure units, as well as poor roadway geometry. The purpose of the project is to address the deteriorating condition of the existing structure, improve the hydraulic condition of the crossing, and improve roadside safety at the project site.

The preferred alternative is to remove and replace the existing structure. The replacement structure will be a three-span, 100-foot reinforced continuous concrete bridge. Riprap will be placed for scour protection along the abutments of the new bridge and along the banks near the existing structure where White Creek turns. The new structure will be built on a new horizontal alignment to better align with the stream and to improve roadside safety at the project site. The new alignment will shift SR 58 to the east into an existing agricultural field. To accomplish this work fill slopes and pavement will be constructed along the new alignment. The existing slopes of SR 58 will be removed as part of this project. The intersection of SR 58 and West County Road 700 South will be regraded to tie into the new roadway centerline. Incidental construction includes milling and resurfacing of pavement, installing guardrail, and regrading field entrances at the project site. Up to 7.5 acres of additional permanent right of way will be required for the project to realign SR 58. No relocations are anticipated for this project.

Maintenance of traffic is anticipated to be a road closure with a detour route of Interstate 65 to SR 11 to SR 258. Local traffic may also use smaller side roads; truck traffic, however, would be required to use the detour. The Mount Healthy Elementary School and the Ogilville United Methodist Church are adjacent to the project area, and coordination with these facilities will need to occur to manage bus routes and maintain access to these buildings during construction.

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic and archaeological properties. In accordance with 36 CFR 800.2 (c), you are hereby requested to be a consulting party to participate in the Section 106 process. Entities that have been invited to participate in the Section 106 consultation process for this project are identified in the attached list. Per 36 CFR 800.3(f), we hereby request that the Indiana State Historic Preservation Officer (SHPO) notify this office if the SHPO staff is aware of any other parties that may be entitled to be consulting parties or should be contacted as potential consulting parties for the project.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, assess its effects and seek ways to avoid, minimize or mitigate any adverse effects on historic properties. For more information regarding the protection of historic resources, please see the Advisory Council on Historic Preservation's guide: *Protecting Historic Properties: A Citizen's Guide to Section 106 Review* available online at <https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf>.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic resources. At this time, no cultural resource investigations have occurred; however, the results of cultural resource identification and evaluation efforts, both above-ground and archaeological, will be forthcoming. Consulting parties will receive notification when these reports are completed.

Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party, or if you do not respond, you will not be included on the list of consulting parties for this project. If we do not receive your response in the time allotted, the project will proceed consistent with the proposed design, and you will not receive further information about the project unless the design changes.

For questions concerning specific project details, you may contact Candace Hudziak of Metric Environmental, LLC, at 317-443-4123 or candaceh@metricenv.com. All future responses regarding the proposed project should be forwarded to Metric Environmental, LL at the following address:

Candace Hudziak
Architectural Historian
Metric Environmental, LLC
6958 Hillside Court
Indianapolis, Indiana, 46250
candaceh@metricenv.com

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon, mcoon@indot.in.gov (317-697-9752), with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Sincerely,



Matthew S. Coon, Acting Manager
Cultural Resources Office
Environmental Services

Enclosures:

Distribution List

Project Location Maps

Distribution List:

Department of Natural Resources
Division of Historic Preservation and Archaeology
402 West Washington Street, Room W274
Indianapolis, IN 46204-2739
Beth McCord
BMCCord@dnr.IN.gov
Chad Slider
CSlider@dnr.IN.gov

Indiana Landmarks – Central Regional Office
Alex Brooks, Community Preservation Specialist
1201 Central Avenue
Indianapolis, IN 46202-3204
abrooks@indianalandmarks.org
central@indianalandmarks.org

Landmark Columbus Foundation
Richard McCoy, Executive Director
408 Sixth Street
Columbus, IN 47201
richard@landmarkcolumbus.org

Dr. Tamara Stone Iorio
Bartholomew County Historian
4410 Osprey Drive
Columbus, IN 47203
tstoneiorio@comcast.net

Bartholomew County Genealogical Society
PO Box 2455
Columbus, IN 47202
Bcgs47202@yahoo.com

Bartholomew County Historical Society
Diane Robbins, Director
524 Third Street
Columbus, IN 47201-6724
drobbings@bartholomewhistory.org

Columbus Area Metropolitan Planning Organization
Laura Thayer, Director
123 Washington Street
Columbus, IN 47201
lthayer@columbus.in.gov

Bartholomew County Commissioners
440 Third Street, Suite 101
Columbus, IN 47201

- Carl H. Lienhoop
Carl.lienhoop@bartholomew.in.gov
- Larry Kleinhenz
Larry.kleinhenz@bartholomew.in.gov
- Tony London
Tony.london@bartholomew.in.gov

Bartholomew County Engineer
Danny Hollander, P.E.
2452 State Street
Columbus, IN 47201
dhollander@bartholomew.in.gov

Bartholomew County Highway Superintendent
Dwight D. Smith
2452 State Street
Columbus, IN 47201
ddsmith@bartholomew.in.gov

Tribal Consulting Parties:
Eastern Shawnee Tribe of Oklahoma
Miami Tribe of Oklahoma
Peoria Tribe of Indians of Oklahoma
Pokagon Band of Potawatomi Indians
Shawnee Tribe
Delaware Nation of Oklahoma
Delaware Tribe of Indians

From: Kelly, Clint
To: thpo@estoo.net; THPO@MiamiNation.com; cechohawk@peoriatribe.com; Matthew.Bussler@pokagonband-nsn.gov; Section106@shawnee-tribe.com; cspeck@delawarenation-nsn.gov; lheady@delawaretribe.org; [Susan Bachor](mailto:Susan.Bachor)
Cc: [Coon, Matthew](mailto:Coon,Matthew); [Branicin, Susan](mailto:Branicin,Susan); [Brinker, Haley](mailto:Brinker,Haley); [Williamson, Brad](mailto:Williamson,Brad); [Candace Hudziak](mailto:Candace.Hudziak); [Carman-George, Karstin \(FHWA\)](mailto:Carman-George,Karstin)
Subject: FHWA Project: Des. No. 2100568; Early Coordination Letter, Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Bartholomew County, Indiana
Date: Tuesday, November 29, 2022 12:26:35 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image006.png](#)
[SR58overWhiteCreek_Des2100568_Early_Coordination_2022-11-29.pdf](#)

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Des. No.: 2100568

Project Description: Bridge No. 058-03-0588B carrying State Road 58 over White Creek Project

Location: Jackson and Ohio Townships, Bartholomew County, Indiana

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the Bridge No. 058-03-0588B carrying State Road 58 over White Creek Project (Des. No. 2100568).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

Indiana State Historic Preservation Officer
Indiana Landmarks, Central Regional Office
Landmark Columbus Foundation
Bartholomew County Historian, Dr. Tamara Stone Iorio
Bartholomew County Genealogical Society
Bartholomew County Historical Society
Columbus Area Metropolitan Planning Organization
Bartholomew County Commissioners: Carl H. Leinhoop, Larry Kleinhez, Tony London
Bartholomew County Engineer, Danny Hollander, P.E.
Bartholomew County Highway Superintendent, Dwight D. Smith
Eastern Shawnee Tribe of Oklahoma
Miami Tribe of Oklahoma
Peoria Tribe of Indians of Oklahoma
Pokagon Band of Potawatomi Indians
Shawnee Tribe
Delaware Nation of Oklahoma
Delaware Tribe of Indians

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

Please review the attached early coordination letter, which is also located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with your comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be

considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comments. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon, mcoon@indot.in.gov (317-697-9752), with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,

Clint Kelly

Section 106 Specialist/Historian

Cultural Resources Office

Environmental Services

100 N. Senate Ave., Rm. N758-ES

Indianapolis, IN 46204

Office: (317) 447-8707

Email: ckelly1@indot.in.gov

Core Office Hours: M-F 7:30-3:30



From: [Candace Hudziak](#)
To: [McCord, Beth K](#); [Slider, Chad \(DNR\)](#); [abrooks@indianalandmarks.org](#); [central@indianalandmarks.org](#); [richard@landmarkcolumbus.org](#); [tstonelorio@comcast.net](#); [bsgs47202@yahoo.com](#); [drobbins@bartholomewhistory.org](#); [lthayer@columbus.in.gov](#); [carl.leinhood@bartholomew.in.gov](#); [larry.kleinhez@bartholomew.in.gov](#); [tony.london@bartholomew.in.gov](#); [dhollander@bartholomew.in.gov](#); [jdsmith@bartholomew.in.gov](#)
Cc: [Kelly, Clint](#); [Branigin, Susan](#); [Coon, Matthew](#); [Zed Hott](#); [Sam Snell](#); [Luella Beth Hillen](#)
Bcc: [Candace Hudziak](#)
Subject: FHWA Project: Des. No. 2100568; Early Coordination Letter, Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Bartholomew County, Indiana
Date: Tuesday, November 29, 2022 12:06:00 PM
Attachments: [SR58overWhiteCreek_Des2100568_Early_Coordination_2022-11-29.pdf](#)
[image001.png](#)

Des. No.: 2100568

Project Description: Bridge No. 058-03-0588B carrying State Road 58 over White Creek Project

Location: Jackson and Ohio Townships, Bartholomew County, Indiana

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the Bridge No. 058-03-0588B carrying State Road 58 over White Creek Project (Des. No. 2100568).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

Indiana State Historic Preservation Officer
Indiana Landmarks, Central Regional Office
Landmark Columbus Foundation
Bartholomew County Historian, Dr. Tamara Stone Iorio
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Bartholomew County Historical Society
Columbus Area Metropolitan Planning Organization
Bartholomew County Commissioners: Carl H. Leinhood, Larry Kleinhez, Tony London
Bartholomew County Engineer, Danny Hollander, P.E.
Bartholomew County Highway Superintendent, Dwight D. Smith
Eastern Shawnee Tribe of Oklahoma
Miami Tribe of Oklahoma
Peoria Tribe of Indians of Oklahoma
Pokagon Band of Potawatomi Indians
Shawnee Tribe
Delaware Nation of Oklahoma
Delaware Tribe of Indians

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

Please review the attached early coordination letter, which is also located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with your comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comments. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

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Thank you in advance for your input,



Candace Hudziak, MA, QP

*Architectural Historian
Cultural Resources*

O 317.643.8535

M 317.443.4123

6958 Hillside Court
Indianapolis, IN 46250
www.metricenv.com

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Indiana | Kentucky | Ohio | West Virginia

From: [Alex Brooks](#)
To: [Candace Hudziak](#)
Subject: Re: FHWA Project: Des. No. 2100568; Early Coordination Letter, Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Bartholomew County, Indiana
Date: Tuesday, November 29, 2022 4:41:17 PM
Attachments: [image001.png](#)

Candace,

We at Indiana Landmarks are not asking to be a consulting party on this project.

.....
Alex Brooks
Community Preservation Specialist

.....
Indiana Landmarks
1201 Central Avenue
Indianapolis, IN 46202
Ph. 317-822-7908, 800-450-4534
Fax: 317-639-6734
www.indianalandmarks.org

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Miami Tribe of Oklahoma

3410 P St. NW, Miami, OK 74354 • P.O. Box 1926, Miami, OK 74355
Ph: (918) 541-1300 • Fax: (918) 542-7260
www.miamination.com



Via email: mcoon@indot.in.gov

December 2, 2022

Matt Coon, Tribal Liaison
INDOT, Cultural Resources Office
100 North Senate Avenue, N758-ES
Indianapolis, Indiana 46204

Re: Des. No. 2100568, Bridge No. 058-03-05882B Carrying State Road 58 over White Creek,
Bartholomew County, Indiana – Comments of the Miami Tribe of Oklahoma

Dear Mr. Coon:

Aya, kweehsitoolaani– I show you respect. The Miami Tribe of Oklahoma, a federally recognized Indian tribe with a Constitution ratified in 1939 under the Oklahoma Indian Welfare Act of 1936, respectfully submits the following comments Des. No. 2100568, Bridge No. 058-03-05882B Carrying State Road 58 over White Creek in Bartholomew County, Indiana.

The Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to **the project site. However, given the Miami Tribe's deep** and enduring relationship to its historic lands and cultural property within present-day Indiana, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at THPO@miamination.com to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed project. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter

Diane Hunter
Tribal Historic Preservation Officer



Division of Historic Preservation & Archaeology · 402 W. Washington Street, W274 · Indianapolis, IN 46204-2739
Phone 317-232-1646 · Fax 317-232-0693 · dhpa@dnr.IN.gov



December 29, 2022

Candace Hudziak
Architectural Historian
Metric Environmental, LLC
6958 Hillsdale Court
Indianapolis, Indiana 46250

Federal Agency: Indiana Department of Transportation ("INDOT"), on behalf of Federal Highway Administration, Indiana Division ("FHWA")

Re: Early coordination letter for Bridge No. 058-03-05882B carrying SR 58 over White Creek project (Des. No. 2100568; DHPA No. 30108)

Dear Ms. Hudziak:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO") has reviewed your November 29, 2022, review request submission which enclosed INDOT's early coordination letter, received by our office November 29, 2022,, for this project in Jackson Township and Ohio Township, Bartholomew County, Indiana.

In addition to the consulting parties INDOT has invited, we suggest as a courtesy inviting Mount Healthy Elementary to participate in the Section 106 consultation on this federal undertaking, 12150 E State Rd 58, Columbus, IN 47201. However, if right-of-way is likely to be taken from a potentially historic property, it might be advisable to invite the owner of that property as soon as possible. In your next regular correspondence on this project, please advise us as to which of the invited consulting parties has accepted the invitation.

We look forward to reviewing the proposed area of potential effects and the reports on investigations of above-ground cultural resources and archaeological resources that the early coordination letter indicated will be forthcoming.

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the Early coordination letter for Bridge No. 058-03-05882B carrying SR 58 over White Creek project Jackson and Ohio Townships, Bartholomew County, Indiana (Des. No. 2100568), please refer to DHPA No. 30108.

Very truly yours,

Beth K. McCord
Deputy State Historic Preservation Officer

BKM:TLG:WTT:wtt

emc: Matt Coon, INDOT
Susan Branigin, INDOT
Beth McCord, Indiana DNR-DHPA
Chad Slider, Indiana DNR-DHPA
Toni Lynn Giffin, Indiana DNR-DHPA
Wade T. Tharp, Indiana DNR-DHPA
Alex Brooks , Indiana Landmarks – Central Regional Office
Richard McCoy, Landmark Columbus Foundation
Dr. Tamara Stone Iorio, Bartholomew County Historian
Bartholomew County Genealogical Society
Diane Robbins, Bartholomew County Historical Society
Laura Thayer, Columbus Area Metropolitan Planning Organization
Bartholomew County Commissioners
Danny Hollander, P.E., Bartholomew County Engineer
Dwight D. Smith, Bartholomew County Highway Superintendent



EASTERN SHAWNEE
CULTURAL PRESERVATION DEPARTMENT
70500 East 128 Road, Wyandotte, OK 74370

January 4, 2023

INDOT - Indiana Department of Transportation
100 N. Senate Ave. IGCN642
Indianapolis, IN 46201

RE: *Des No. 2100568, Bartholomew County, Indiana*

Dear Mr. Coon,

The Eastern Shawnee Tribe has received your letter regarding the above referenced project(s) within Bartholomew County, Indiana. The Eastern Shawnee Tribe is committed to protecting sites important to Tribal Heritage, Culture and Religion. Furthermore, the Tribe is particularly concerned with historical sites that may contain but not limited to the burial(s) of human remains and associated funerary objects.

As described in your correspondence, and upon research of our database(s) and files, we find our people occupied these areas historically and/or prehistorically. However, the project proposes **NO Adverse Effect** or endangerment to known sites of interest to the Eastern Shawnee Tribe. Please continue project as planned. However, should this project inadvertently discover an archeological site or object(s) we request that you immediately contact the Eastern Shawnee Tribe, as well as the appropriate state agencies (within 24 hours). We also ask that all ground disturbing activity stop until the Tribe and State agencies are consulted. Please note that any future changes to this project will require additional consultation.

In accordance with the NHPA of 1966 (16 U.S.C. § 470-470w-6), federally funded, licensed, or permitted undertakings that are subject to the Section 106 review process must determine effects to significant historic properties. As clarified in Section 101(d)(6)(A-B), historic properties may have religious and/or cultural significance to Indian Tribes. Section 106 of NHPA requires Federal agencies to consider the effects of their actions on all significant historic properties (36 CFR Part 800) as does the National Environmental Policy Act of 1969 (43 U.S.C. § 4321-4347 and 40 CFR § 1501.7(a)). This letter evidences NHPA and NEPA historic properties compliance pertaining to consultation with this Tribe regarding the referenced proposed projects.

Thank you, for contacting the Eastern Shawnee Tribe, we appreciate your cooperation. Should you have any further questions or comments please contact our Office.

Sincerely,

Paul Barton, Tribal Historic Preservation Officer (THPO)
Eastern Shawnee Tribe of Oklahoma
(918) 666-5151 Ext:1833
THPO@estoo.net

January 16, 2023

To Whom It May Concern:

The Delaware Nation Historic Preservation Department received correspondence regarding the following referenced project(s):

Project: INDOT Des. No. 2100568, Bartholomew County, Indiana

In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470f), and implementing regulation 36 CFR 800, "Protection of Historic Properties," **Delaware Nation accepts your invitation for consultation on this project.**

Our office is committed to protecting tribal heritage, culture and religion with particular concern for archaeological sites potentially containing burials and associated funerary objects. According to our files, the proposed project should have **no adverse effect** on any known cultural or religious sites of interest to the Delaware Nation, but there is always the potential for discovery of archaeological resources in this area.

Please continue with the project as planned keeping in mind during construction should human remains and/or any Native American archaeological resources inadvertently be uncovered, all construction and ground disturbing activities should immediately be halted until the appropriate state agencies, as well as this office, are notified (within 24 hours), and a proper archaeological assessment can be made.

Please note that Delaware Nation, the Delaware Tribe of Indians, and the Stockbridge Munsee Community are the only Federally Recognized Delaware/Lenape entities in the United States and consultation for Lenape homelands must be made with only the designated staff of these three Nations (and/or other federally recognized tribal nations who may have overlapping areas of interest). We appreciate your cooperation in contacting the Delaware Nation Historic Preservation Office to conduct proper Section 106 consultation. Should you have any questions, feel free to contact our offices at 405-247-2448 ext. 1403.

Carissa Speck

Carissa Speck
Historic Preservation Director
Delaware Nation
Ph. 405-247-2448 ext. 1403
cspeck@delawarenation-nsn.gov



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758-ES
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

June 12, 2023

This letter was sent to the listed parties.

**RE: Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project
Jackson and Ohio Townships, Bartholomew County, Indiana
Des. No. 2100568/DHPA No. 30108**

Dear Consulting Party,

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Des. No. 2100568.

This letter is part of the Section 106 review process for this project. Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. We are requesting comments from you regarding the possible effects of this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

A Section 106 early coordination letter was distributed on November 29, 2022.

The proposed undertaking is on State Road 58 (SR 58) at the intersection of County Road 700 South (CR 700 S) in Bartholomew County, Indiana. It is within Jackson and Ohio Townships, Indiana USG5 Topographic Quadrangle, in Sections 25 and 36, Township 8 North, Range 4 East. The project area can be viewed online at <https://arcg.is/jqueP> (the Des. No. is the most efficient search term once in the CRO - Public Web Map App).

The need for the project is due to poor road geometry, and the condition of the existing bridge structure which shows deterioration and scouring around the substructure. A report revealed longitudinal cracking and spalling on the top of the deck in the eastbound lane, erosion of the bank corners due to improper alignment with the channel, and damaged sections of the guardrail. The Structural Evaluation appraisal rating was fair and the Deck Geometry appraisal rating was poor. The purpose of the project is to address the deterioration of the bridge, improve the hydraulic conditions, and provide current standard safety devices.

The preferred alternative is to remove and replace the existing bridge. The existing structure, Bridge No. 058-05882B, is a single span prestressed concrete box beam bridge. It was constructed in 1968, and the superstructure and deck were replaced in 1980. The span length is 67 feet with an approximate height of 12.5 feet. The roadway consists of two 12-foot travel lanes. The preferred replacement structure is a 100-foot, three-span continuous concrete slab structure. Riprap and geotextile will be placed around the piers and abutments to protect the substructure from scouring. The new bridge will be built on a new horizontal alignment and the intersection at SR 58 and CR 700 S will be reconstructed to be perpendicular. Project limits are anticipated to extend 950 feet along SR 58 and 325 feet along CR 700 S. Up to 7.5 acres of additional permanent right of way will be required for the project to realign SR 58; no relocations are anticipated for the project. Maintenance of traffic during construction will involve the intersection to be closed with a detour route

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 **NextLevel**
INDIANA

Appendix D-50

using Interstate 65 (I-65), SR 11, and SR 258.

Metric Environmental, LLC, is under contract with Corradino, LLC, to advance the environmental documentation for the referenced project.

In accordance with 36 CFR 800.2 (c), you were invited to become a consulting party as part of the Section 106 process, or you are hereby invited to become a consulting party as part of the Section 106 process. Entities that have previously accepted consulting party status--as well as additional entities that are currently being invited to become consulting parties--are identified in the attached list.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, to assess the undertaking's effects and to seek ways to avoid, minimize, or mitigate any adverse effects on historic properties. For more information regarding the protection of historic resources, please see the Advisory Council on Historic Preservation's guide: *Protecting Historic Properties: A Citizen's Guide to Section 106 Review* available online at <https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf>.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic resources. The APE contains no resources listed in the National Register of Historic Places (NRHP).

A historian who meets the Secretary of the Interior's Professional Qualification Standards identified and evaluated above-ground resources within the APE for potential eligibility for the NRHP. As a result of the historic property identification and evaluation efforts, no above-ground resources are recommended as eligible for listing in the NRHP.

With regard to archaeological resources, an archaeologist who meets the Secretary of the Interior's Professional Qualification Standards identified no sites within the project area. As a result of these efforts, no sites were recommended as eligible for listing in the NRHP and no further work is recommended.

In an email correspondence dated December 29, 2022, the SHPO acknowledged receipt of the Early Coordination Letter (ECL) and suggested that Mount Healthy Elementary be invited to participate in the Section 106 consultation for this undertaking. Mount Healthy Elementary is outside of the APE and was not included as a consulting party.

The Historic Property Report and Archaeology Report (Tribes only) are available for review in IN SCOPE at <https://erms12c.indot.in.gov/Section106Documents> (the Des. No. is the most efficient search term, once in IN SCOPE). You are invited to review these documents and to respond with comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party or if you have not previously accepted consulting party status and you do not respond to this letter, you will not be included on the list of consulting parties for this project and will not receive further information about the project unless the design changes.

For questions concerning specific project details, you may contact Candace Hudziak of Metric Environmental, LLC, at 317-443-4123 or candaceh@metricenv.com. All future responses regarding the proposed project should be forwarded to Metric Environmental, LLC, at the following address:

Candace Hudziak

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Architectural Historian
Metric Environmental, LLC
6958 Hillside Court
Indianapolis, Indiana, 46250
candaceh@metricenv.com

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon, at mcoon@indot.in.gov (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Sincerely,



Matthew S. Coon, Manager
Cultural Resources Office
Environmental Services

Enclosures:

Distribution List

Distribution List:

Indiana State Historic Preservation Office
Department of Natural Resources
Division of Historic Preservation and Archaeology
402 West Washington, Street, Room W274
Indianapolis, IN 46204-2739
Toni Lynn Giffin
tgiffin@dnr.in.gov
Wade T. Tharp
Wtharp1@dnr.in.gov

Tribal Contacts:

Eastern Shawnee Tribe of Oklahoma

Miami Tribe of Oklahoma

Peoria Tribe of Indians of Oklahoma

Pokagon Band of Potawatomi Indians

Shawnee Tribe

Delaware Nation of Oklahoma

Delaware Tribe of Indians

From: [Coon, Matthew](#)
To: mcoon@indot.in.gov; mcoon@miamicorridor.com; Burround,Fletcher; Matthew.Bussler; Section106@shawnee-tribe.com; csneck@delawarenation-ncn.gov; shechor@delawaretribe.org
Cc: [Carmany-George, Karstin \(FHWA\)](#); [Candace Hudzjak](#); [Sam Snell](#); [Zed Hott](#); [Williamson, Brad](#); [Zoe Yorndran](#)
Subject: FHWA Project: Des. No. 2100568; HPR and Archaeology Report, Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Bartholomew County, Indiana
Date: Wednesday, June 14, 2023 10:20:54 AM
Attachments: [image006.png](#)

External Message: *This message originated outside of Metric Environmental.
Do not click links or open attachments unless you recognize the sender and know the content is safe.*

Des. No.: 2100568

Project Description: Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project

Location: Jackson and Ohio Townships, Bartholomew County, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project (Des. No. 2100568). The Section 106 Early Coordination Letter for this project was originally distributed on November 29, 2022.

As part of Section 106 of the National Historic Preservation Act, a Historic Property Report and Archaeology Report (Tribes only) have been prepared and are ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at <https://erms12c.indot.in.gov/Section106Documents> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days. Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon at mcoon@indot.in.gov (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,

Matt Coon

Manager, Cultural Resources Office

Interim Archaeology Team Lead

Acting Tribal Liaison

Indiana Department of Transportation

100 North Senate Ave., N758 — Environmental Services

Indianapolis, IN 46204

Phone: 317-697-9752

Email: mcoon@indot.in.gov



From: [Zoe Vorndran](#)
To: tgiffin@dnr.in; Wtharp1@dnr.IN.gov
Cc: [Kelly, Clint](#); [Coon, Matthew](#); [Candace Hudziak](#); [Sam Snell](#); [Zed Hott](#); [Williamson, Brad](#)
Subject: FHWA Project: Des. No. 2100568; HPR and Archaeology Report, Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Bartholomew County, Indiana
Date: Monday, June 12, 2023 10:27:00 AM
Attachments: [Image001.png](#)

Des. No.: 2100568

Project Description: Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project
Location: Jackson and Ohio Townships, Bartholomew County, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project (Des. No. 2100568). The Section 106 Early Coordination Letter for this project was originally distributed on November 29, 2022.

As part of Section 106 of the National Historic Preservation Act, a Historic Property Report and Archaeology Report (Tribes only) have been prepared and are ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at <https://erms12c.indot.in.gov/Section106Documents> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon at mcoon@indot.in.gov (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,



Zoe Vorndran

Cultural Resources Staff Scientist

○ 317.504.4296

6958 Hillside Court
Indianapolis, IN 46250



July 6, 2023

Candace Hudziak
Architectural Historian
Metric Environmental, LLC
6958 Hillside Court
Indianapolis, Indiana 46250

Federal Agency: **Indiana Department of Transportation (“INDOT”)**,
on behalf of Federal Highway Administration, Indiana Division (“FHWA”)

Re: Indiana archaeological short report (Copenhaver and Stevenson, 05/27/2023), and historic
property short report (Vorndran, 6/12/2023), for Bridge No. 058-03-05882B carrying SR 58 over
White Creek project (Des. No. 2100568; DHPA No. 30108)

Dear Ms. Hudziak:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the “**Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program in the State of Indiana,**” the staff of the Indiana State Historic Preservation Officer (“**Indiana SHPO**”) has reviewed your June 9, 2023, and June 12, 2023, submissions, which enclosed the Indiana archaeological short report (Copenhaver and Stevenson, 05/27/2023) and the historic property short report (“**HPSR**”; Vorndran, 6/12/2023), and which were received by our office June 9, 2023, and June 12, 2023, for this project in Jackson Township and Ohio Townships, Bartholomew County, Indiana.

The area of potential effects (“APE”) proposed in the HPSR appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature could occur.

For the purposes of the Section 106 review of this federal undertaking, we agree with the HPSR that there are no historic properties listed in or eligible for listing in the National Register of Historic Places (“**NRHP**”) within the APE for this project.

Additionally, in terms of archaeological resources, based on the submitted information and the documentation available to the staff of the Indiana DNR-DHPA, we have not identified any currently known archaeological resources listed in or eligible for inclusion in the NRHP within the proposed project area; and we concur with the opinion of the archaeologist, as expressed in the Indiana archaeological short report (Copenhaver and Stevenson, 05/27/2023), that no further archaeological investigations appear necessary at the proposed project area.

Thank you for uploading the Indiana archaeological short report (Copenhaver and Stevenson, 05/27/2023) to the Indiana DNR-DHPA SHAARD system database; the report has been assigned the identifier AR-03-00470. The archaeological report has been reviewed and approved.

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29) requires that the discovery be reported to the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology within two (2) business days. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. Part 800.

Candice Hudziak
July 6, 2023
Page 2

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the Bridge No. 058-03-05882B carrying SR 58 over White Creek project in Jackson and Ohio Townships, Bartholomew County (Des. No. 2100568), please refer to DHPA No. 30108.

Very truly yours,



Beth K. McCord
Deputy State Historic Preservation Officer

BKM:TLG:WTT:wt

emc: Matt Coon, Ph.D., Indiana Department of Transportation
Susan Branigin, Indiana Department of Transportation
Candace Hudziak, Metric Environmental, LLC
Toni Lynn Giffin, Indiana DNR-DHPA
Wade T. Tharp, Indiana DNR-DHPA

From: [Carissa Speck](#)
To: [Coon, Matthew](#)
Subject: RE: FHWA Project: Des. No. 2100568; HPR and Archaeology Report, Bridge No. 058-03-05882B carrying State Road 58 over White Creek Project, Bartholomew County, Indiana
Date: Friday, July 21, 2023 10:00:08 AM
Attachments: [image010.png](#)

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

No concern with the project. Please proceed as planned.

Wanishi,

Carissa Speck
Delaware Nation
Historic Preservation Director
405-247-2448 Ext. 1403
cspeck@delawarenation-nsn.gov



November 27, 2023

Candace Hudziak
Architectural Historian
Metric Environmental, LLC
6958 Hillsdale Court
Indianapolis, Indiana 46250

Federal Agency: Indiana Department of Transportation (“INDOT”),
on behalf of Federal Highway Administration, Indiana Division (“FHWA”)

Re: Indiana Department of Transportation’s finding of “no historic properties affected,” for Bridge
No. 058-03-05882B carrying SR 58 over White Creek Project (Des. No. 2100568; DHPA No.
30108)

Dear Ms. Hudziak:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the “Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana,” the staff of the Indiana State Historic Preservation Officer (“Indiana SHPO”) has reviewed your October 26, 2023, submission, which enclosed INDOT’s finding and supporting documentation, received by our office October 26, 2023, for this project in Jackson Township and Ohio Township, Bartholomew County, Indiana.

As previously stated, the area of potential effects (“APE”) proposed in the HPSR appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature could occur. Additionally, we previously stated, for the purposes of the Section 106 review of this federal undertaking, we agree with the HPSR that there are no historic properties listed in or eligible for listing in the National Register of Historic Places (“NRHP”) within the APE for this project.

Additionally, in terms of archaeological resources, based on the submitted information and the documentation available to the staff of the Indiana DNR-DHPA, we have not identified any currently known archaeological resources listed in or eligible for inclusion in the NRHP within the proposed project area; and we concur with the opinion of the archaeologist, as expressed in the Indiana archaeological short report (Copenhaver and Stevenson, 05/27/2023), that no further archaeological investigations appear necessary at the proposed project area.

Accordingly, we concur with INDOT’s October 26, 2023, Section 106 finding of “No Historic Properties Affected,” on behalf of FHWA for this federal undertaking.

Additionally, as previously indicated, the Indiana archaeological short report (Copenhaver and Stevenson, 05/27/2023), which was uploaded to the Indiana DNR-DHPA SHAARD system database, was assigned the identifier AR-03-00470, and was reviewed and approved.

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29) requires that the discovery be reported to the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology within two (2)

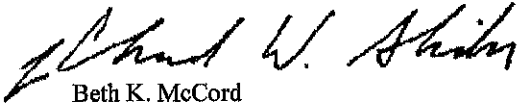
Candace Hudziak
November 27, 2023
Page 2

business days. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. Part 800.

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the Bridge No. 058-03-05882B carrying SR 58 over White Creek project in Jackson Township and Ohio Townships, Bartholomew County, Indiana (Des. No. 2100568), please refer to DHPA No. 30108.

Very truly yours,



Beth K. McCord
Deputy State Historic Preservation Officer

BKM:TLG:WTT:wt

emc: Matt Coon, Ph.D., Indiana Department of Transportation
Susan Branigin, Indiana Department of Transportation
Candace Hudziak, Metric Environmental, LLC
Toni Lynn Giffin, Indiana DNR-DHPA
Wade T. Tharp, Indiana DNR-DHPA

The Republic

Prescribed by State Board of Accounts

General Form No 99P (Rev. 2009A)

Attn:
Name: METRIC ENVIRONMENTAL
Address: 6958 HILLSDALE COURT

City/State: INDIANAPOLIS, IN 46250
Acct #: C11219258
Order #: 60128763

AIM MEDIA INDIANA
d/b/a/ THE REPUBLIC
PO BOX 3213
McALLEN, TX 78502-3213
FED I.D. #32-0472774

(Government Unit) County: Bartholomew

PUBLISHER'S CLAIM

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Data for computing costs: Number of equivalent lines per column.....	106
Number of Columns	1
Number of insertions	1

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106 lines, 1 column(s) x rate of 0.3739 cents per line

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(50 percent surcharge included in rate above)

Charges for extra proofs of publication: (\$1.00 for each proof in excess of two included in rate above)

TOTAL AMOUNT OF CLAIM 39.63

Pursuant to the provisions and penalties of IC 5-11-10-1, I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

PUBLISHER'S AFFIDAVIT

I, Sally Clark, Legal Advertising Clerk of the newspaper of general circulation printed and published in the English language in the (city/town) of Columbus in state and county aforesaid, and that the printed matter attached hereto is a true copy, which publication being as follows:

11/1/2023

Sally Clark

Sally Clark/Legal Advertising Clerk

11/1/2023

Date

Page : 1 of 2 11/01/2023 07:40:57
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PO Number : Karen Blake
Customer : C11219258 METRIC ENVIRONMENTAL
Contact :
Address1 : 6958 HILLSDALE COURT
Address2 :
City St Zip : INDIANAPOLIS IN 46250
Phone : (317) 400-1633
Fax :
Credit Card :
Printed By : Cindy Fillenworth
Entered By : Lana Gearies
Keywords : Bridge Replacement Bartholomew County
Notes : KarenB@metricenv.com
Zones :

Ad Number : 50167186
Ad Key :
Salesperson : 09 - Lana Gearies
Publication : The Republic
Section : 60 Notices
Sub Section : 60 Notices
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Days : 1
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Words : 354
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Ad Price : 39.63
Amount Paid : 0.00
Amount Due : 39.63

**Legal Advertisement
Public Notice**

Des. No. 2100668

The Indiana Department of Transportation (INDOT) is planning to undertake a bridge replacement project, funded in part by the Federal Highway Administration (FHWA). The project is located on State Road (SR) 58 at the intersection of County Road (CR) 700 South (S) in Bartholomew County, Indiana.

Under the preferred alternative, the proposed project would involve removing and replacing the existing bridge with a 100-foot, three-span continuous concrete slab structure. The new bridge will be built on a new horizontal alignment and the intersection at SR 58 and CR 700 S will be reconstructed to be perpendicular. No relocations are anticipated to occur as a result of this undertaking. Up to 7.5 acres of additional permanent right of way will be required for the project to realign SR 58.

The proposed action does not impact properties listed in or eligible for listing in the National Register of Historic Places. INDOT, on behalf of the FHWA, has issued a "No Historic Properties Affected" finding for the project due to the fact that no historic properties are present within the Area of Potential Effects (APE). In accordance with the National Historic Preservation Act, the views of the public are being sought regarding the effect of the proposed project on the historic elements as per 36 CFR 800.2(d), 800.3(e) and 800.6(a)(4). Pursuant to 36 CFR 800.4(d)(1), the documentation specified in 36 CFR 800.11(d) is available.

Order Number : 60128763
PO Number : Karen Blake
Customer : C11219258 METRIC ENVIRONMENTAL
Contact :
Address1 : 6958 HILLSDALE COURT
Address2 :
City St Zip : INDIANAPOLIS IN 46250
Phone : (317) 400-1633
Fax :
Credit Card :
Printed By : Cindy Fillenworth
Entered By : Lana Gearies

Keywords : Bridge Replacement Bartholomew County
Notes : KarenB@metricenv.com
Zones :

Ad Number : 50167186
Ad Key :
Salesperson : 09 - Lana Gearies
Publication : The Republic
Section : 60 Notices
Sub Section : 60 Notices
Category : 6015 Legals
Dates Run : 11/01/2023-11/01/2023
Days : 1
Size : 1 x 10.28, 106 lines
Words : 354
Ad Rate : L-Government
Ad Price : 39.63
Amount Paid : 0.00
Amount Due : 39.63

ble for inspection in Metric Environmental, LLC's Indianapolis office. Additionally, this documentation can be viewed electronically by accessing INDOT's Section 106 document posting website IN SCOPE at <http://erms12c.indot.in.gov/Section106Documents>. This documentation serves as the basis for the "No Historic Properties Affected" finding. The views of the public on this effect finding are being sought. Please reply with any comments to Candace Hudziak of Metric Environmental, LLC (317-443-4123, candaceh@metricenv.com) no later than <30 days from publication date>.

In accordance with the "Americans with Disabilities Act", if you have a disability for which INDOT needs to provide accessibility to the document(s) such as interpreters or readers, please contact Eric Williamson, at 812-624-3971 and bwilliamson@indot.in.gov.
 60128763 hspaxlp
 R: 11/01/2023

Appendix E

Red Flag and Hazardous Materials

Des. No. 2100568



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758-ES
Indianapolis, Indiana 46204

PHONE: (855) 463-6848
(855) INDOT4U

Eric Holcomb, Governor
Michael Smith, Commissioner

Date: April 28, 2023

To: Site Assessment & Management (SAM)
Environmental Policy Office - Environmental Services Division (ESD)
Indiana Department of Transportation (INDOT)
100 N Senate Avenue, Room N758-ES
Indianapolis, IN 46204

From: Rachel Pluckebaum
Corradino, LLC
200 S. Meridian St. Suite 330
Indianapolis, IN 46225
rpluckebaum@corradino.com

Re: RED FLAG INVESTIGATION
DES #2100568, State Project
Bridge Replacement Project
SR 58, 5.61 Miles West of I-65
Bartholomew County, Indiana

PROJECT DESCRIPTION

Brief Description of Project: The project is located on State Road (SR) 58, 5.61 miles west of Interstate 65 (I-65) in Bartholomew County, Indiana. The structure carries SR 58 over White Creek. The structural evaluation rating from the Bridge Inspection Report is a 5 (fair condition) out of 9 (excellent condition). The existing structure is a 70-foot single span bridge. There is light cracking and spalling in the curbs and there is longitudinal cracking on the wearing surface. There is a 5-foot crack in a beam and efflorescence and minor staining are present between beams throughout. Many of the "I" blocks are separating, and some have washed away. Excavation will occur up to 25 feet deep. Excavation will be required to remove and replace the existing structure, realign the roadway, and place scour protection measures. Due to the severity of the deterioration of the structure and roadway geometry, the proposed scope for this project is a bridge replacement with a horizontal alignment to better align with the stream. The proposed bridge is a 100-foot long three span reinforced concrete slab top structure. The new alignment will shift SR 58 approximately 150-feet to the east, in an agricultural field. The country road southeast of the structure will be regraded to tie into the new roadway centerline. The slopes of the existing SR 58 will be removed as part of this project.

Bridge Work Included in Project: Yes No Structure #(s) 058-03-05882 B

If this is a bridge project, is the bridge Historical? Yes No , Select Non-Select

(Note: If the project involves a historical bridge, please include the bridge information in the Recommendations Section of the report).

Culvert Work Included in Project: Yes No Structure #(s) _____

Proposed right of way: Temporary # Acres _____ Permanent # Acres 7.5, Not Applicable

Type and proposed depth of excavation: Excavation will occur up to approximately 25 feet deep and will be required at the project site to excavate, remove, and replace the existing structure, realign SR 58, and place scour protection measures.

Maintenance of traffic (MOT): MOT is expected to be a road closure with a detour route of I-65 to SR 11 to SR 258.

Work in waterway: Yes No Below ordinary high water mark: Yes No

State Project: LPA:

Any other factors influencing recommendations: N/A

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Religious Facilities	1*	Recreational Facilities	1
Airports ¹	N/A	Pipelines	N/A
Cemeteries	N/A	Railroads	N/A
Hospitals	N/A	Trails	1
Schools	1	Managed Lands	N/A

¹In order to complete the required airport review, a review of public-use airports within 3.8 miles (20,000 feet) is required.

Explanation:

***Religious Facilities:** One (1) unmapped religious facility is located within the 0.5 mile search radius. Ogilville United Methodist Church is located 0.20 mile southwest of the project area. Coordination with Ogilville United Methodist Church will occur.

Schools: One (1) school is located within the 0.5 mile search radius. Mount Healthy Elementary School is mapped 0.08 mile west of the project area but is actually located 0.29 mile southwest of the project area. Coordination with Mount Healthy Elementary School will occur.

Recreational Facilities: One (1) recreational facility is located within the 0.5 mile search radius. Mount Healthy Elementary School is located 0.29 mile southwest of the project area. Coordination with Mount Healthy Elementary School will occur.

Trails: One (1) trail is located within the 0.5 mile search radius. Mount Healthy Park Trail is located 0.29 mile southwest of the project area. No impact is expected.

WATER RESOURCES TABLE AND SUMMARY

Water Resources			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
NWI - Points	1	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	20
Canal Structures – Historic	N/A	Lakes	11
NPS NRI Listed	N/A	Floodplain - DFIRM	3
NWI-Lines	3	Cave Entrance Density	N/A

IDEM 303d Listed Streams and Lakes (Impaired)	N/A	Sinkhole Areas	N/A
Rivers and Streams	7	Sinking-Stream Basins	N/A

If unmapped water features are identified that might impact the project area, direct coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Explanation:

NWI-Points: One (1) NWI-point is located within the 0.5 mile search radius. The NWI-point is located 0.50 mile southeast of the project area. No impact is expected.

NWI-Lines: Three (3) NWI-lines are located within the 0.5 mile search radius. One (1) NWI-line is located within the project area. A Waters of the US Report is recommended based on mapped features, and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Rivers and Streams: Seven (7) river/stream segments are located within the 0.5 mile search radius. One (1) river/stream segment, White Creek, is located within the project area. A Waters of the US Report is recommended based on mapped features, and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

NWI-Wetlands: Twenty (20) NWI-wetland polygons are located within the 0.5 mile search radius. One (1) NWI-wetland polygon located within the project area. A Waters of the US Report is recommended based on mapped features, and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Lakes: Eleven (11) lake polygons are located within the 0.5 mile search radius. The nearest lake polygon is located 0.02 mile east of the project area. No impact is expected.

Floodplain-DFIRM: Three (3) floodplain polygons are located within the 0.5 mile search area. The project area is located within one (1) of the floodplain polygons. Coordination with INDOT ESD Ecology and Waterway Permitting will occur.

MINING AND MINERAL EXPLORATION TABLE AND SUMMARY

Mining/Mineral Exploration Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Petroleum Wells	1	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Petroleum Wells: One (1) petroleum well is located within the 0.5 mile search radius. The petroleum well is located 0.45 mile northwest of the project area. No impact is expected.

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Superfund	N/A	Manufactured Gas Plant Sites	N/A
RCRA Generator/ TSD	N/A	Open Dump Waste Sites	N/A

RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	N/A	Waste Transfer Stations	N/A
Septage Waste Sites	N/A	Tire Waste Sites	N/A
Underground Storage Tank (UST) Sites	1	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	N/A	Brownfields	N/A
Construction Demolition Waste	N/A	Institutional Controls	N/A
Solid Waste Landfill	N/A	NPDES Facilities	1
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	N/A	Notice of Contamination Sites	N/A

Unless otherwise noted, site specific details presented in this section were obtained from documents reviewed on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC).

Explanation:

Underground Storage Tank (UST) Sites: One (1) UST site is located within the 0.5 mile search radius. The facility, identified as Mount Healthy Elementary School, 12150 E State Road 58, Columbus, IN 47201, AI ID #1581, is mapped 0.08 mile west of the project area but is actually located 0.29 mile southwest of the project area. A Notification for Underground Storage Tanks was received by IDEM in August 1987. The document stated that no USTs were at the location. No further information is available in the IDEM VFC.

NPDES Facility: One (1) NPDES facility is located within the 0.5 mile search radius. The facility, identified as Mount Healthy Elementary School, 12150 E State Road 58, Columbus, IN 47201, Permit Number IN0037567, is located 0.29 mile southwest of the project area. The permit was terminated on July 31, 2011. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

The Bartholomew 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_bartholomew.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. 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 surrounded by woods and farmland. The January 3, 2022, inspection report for 058-03-05882 B states that no evidence of bats was seen or heard under the bridge. 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:

Religious Facilities: Ogilville United Methodist Church is located 0.20 mile southwest of the project area. Coordination with Ogilville United Methodist Church will occur.

Schools/Recreational Facilities: Mount Healthy Elementary School is located 0.29 mile southwest of the project area. Coordination with Mount Healthy Elementary School will occur.

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

- One (1) NWI-line flows through the project area.
- The project area is located within a floodplain (coordination only).
- One (1) stream segment, White Creek, flows through the project area.
- One (1) wetland is within the project area.

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: N/A

ECOLOGICAL INFORMATION: Coordination with USFWS and IDNR will occur. 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 Digitally signed by Peter Washburn
Date: 2023.04.28 16:02:06 -0400 (Signature)

Prepared by:
Rachel Pluckebaum
Environmental Specialist
Corradino, LLC

Graphics:

A map for each report section with a 0.5 mile search radius buffer around all project area(s) showing all items identified as possible items of concern is attached. If there is not a section map included, please change the YES to N/A:

SITE LOCATION: YES

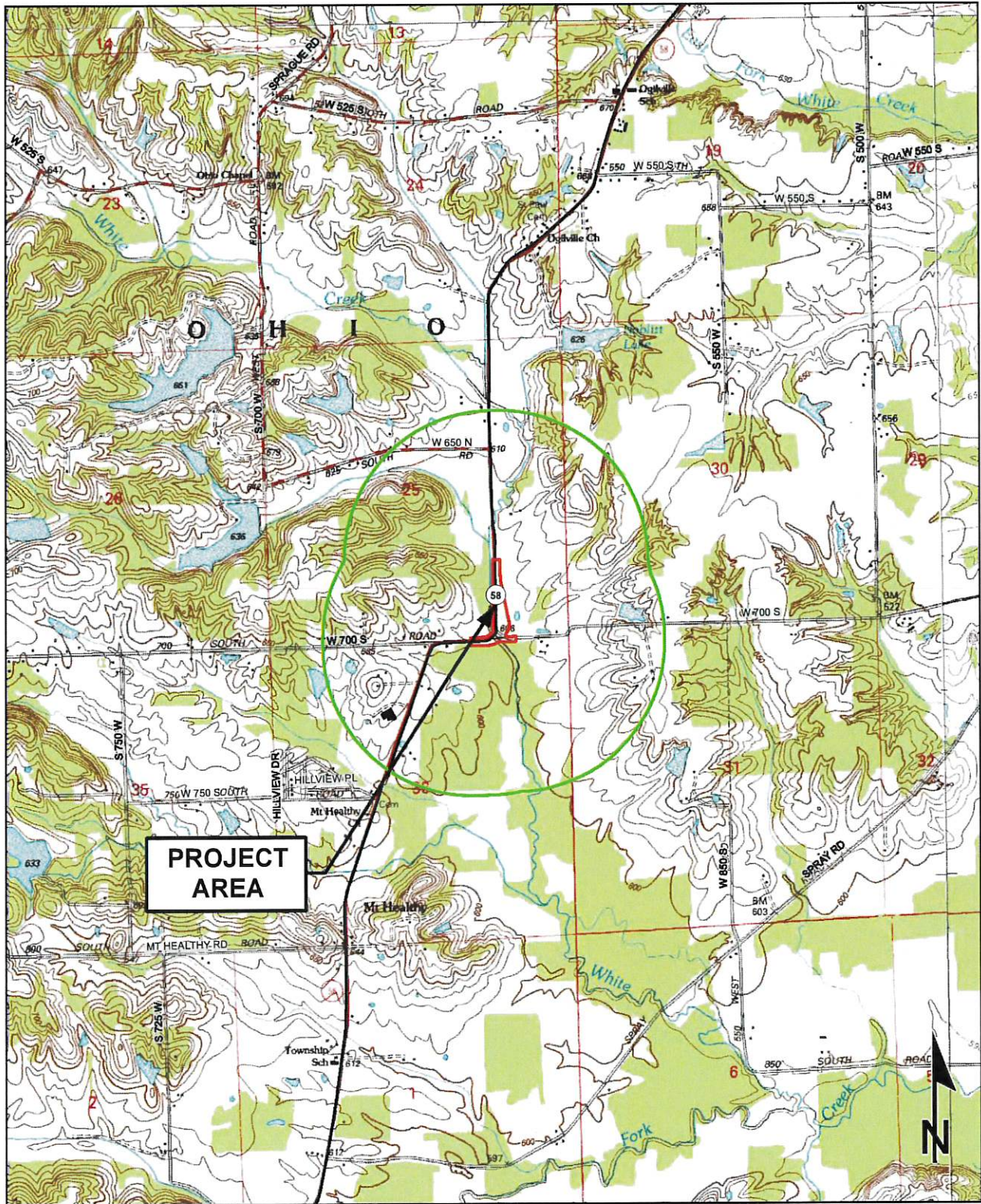
INFRASTRUCTURE: YES

WATER RESOURCES: YES

MINING/MINERAL EXPLORATION: YES

HAZARDOUS MATERIAL CONCERNS: YES

Red Flag Investigation - Site Location
 SR 58, 5.61 Miles West of I-65
 Des. No. 2100568, Bridge Replacement Project
 Bartholomew County, Indiana



**PROJECT
 AREA**

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.

**WAYMANSVILLE
 QUADRANGLE INDIANA
 7.5 MINUTE SERIES
 (TOPOGRAPHIC)**

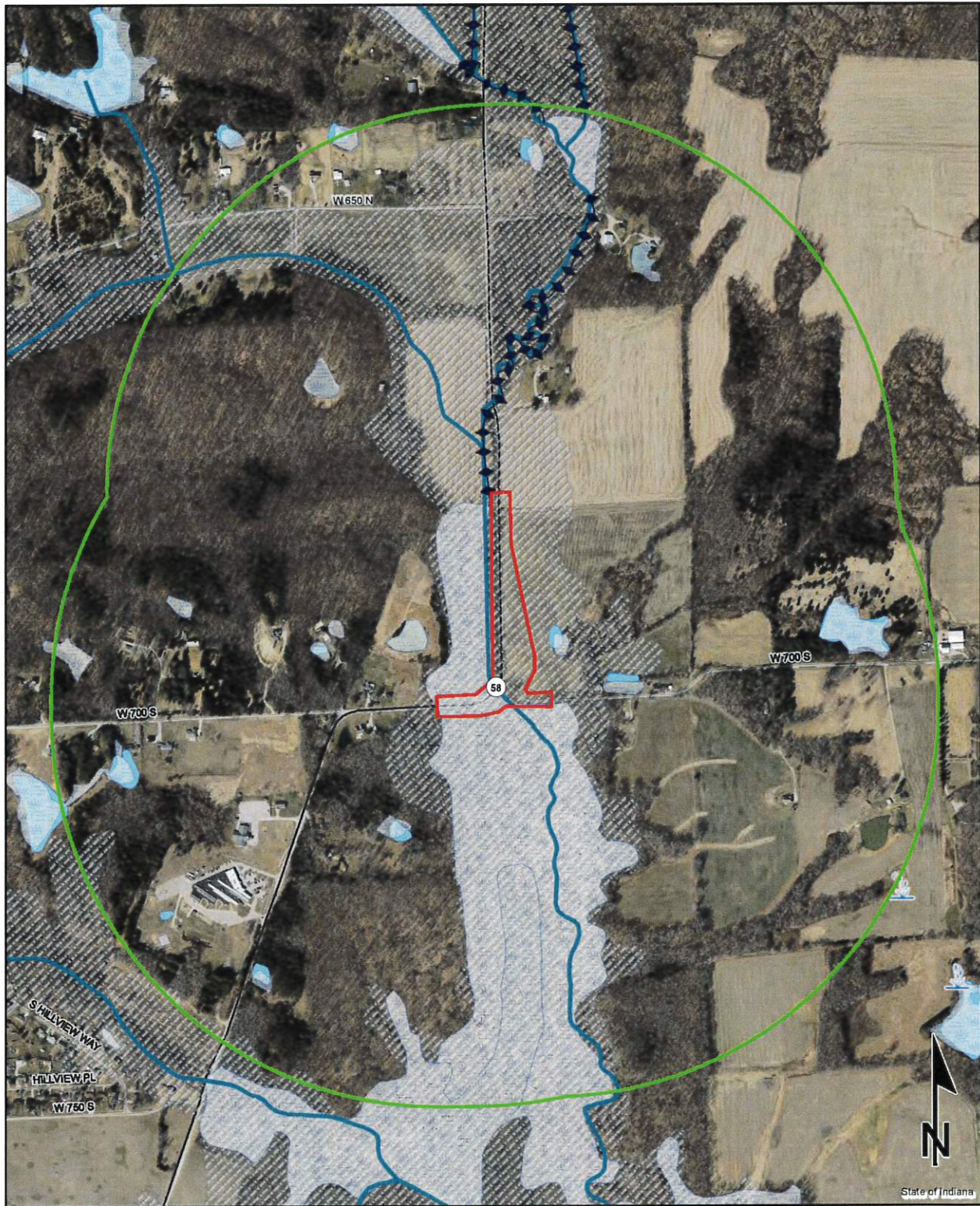
Red Flag Investigation - Infrastructure
 SR 58, 5.61 Miles West of I-65
 Des. No. 2100568, Bridge Replacement Project
 Bartholomew County, Indiana



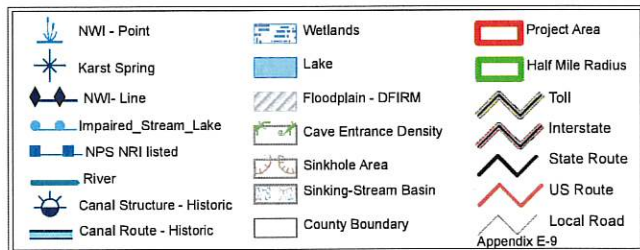
Sources: 0.1 0.05 0 0.1 Miles
 Non Orthophotography
 Data - Obtained from the State of Indiana Geographical Information Office Library
 Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
 Map Projection: UTM Zone 16 N Map Datum: NAD83
 This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

Red Flag Investigation - Water Resources
 SR 58, 5.61 Miles West of I-65
 Des. No. 2100568, Bridge Replacement Project
 Bartholomew County, Indiana



Sources: 0.1 0.05 0 0.1 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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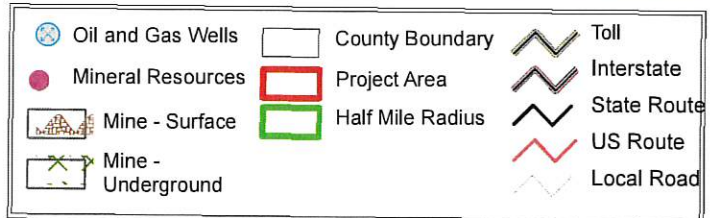


Red Flag Investigation - Mining & Mineral Resources
SR 58, 5.61 Miles West of I-65
Des. No. 2100568, Bridge Replacement Project
Bartholomew County, Indiana

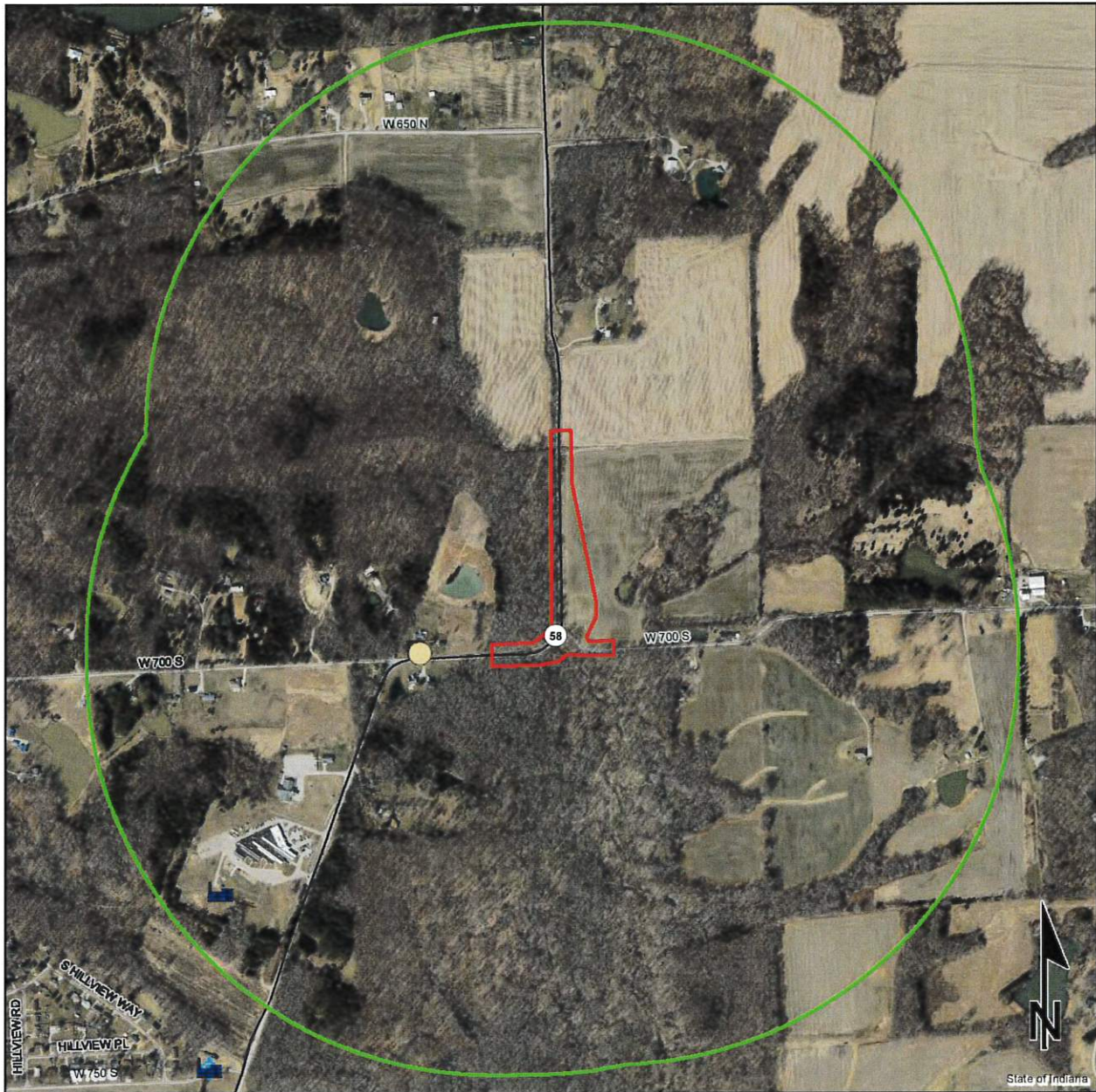


Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



Red Flag Investigation - Hazardous Material Concerns
SR 58, 5.61 Miles West of I-65
Des. No. 2100568, Bridge Replacement Project
Bartholomew 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 Facilities		Voluntary Remediation Program		Local Road
	NPDES Pipe Locations		Waste Transfer Station		
	Open Dump Waste Site				

0.15 0.075 0 0.15
Miles

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

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