

Date: March 14, 2022

To: Ryan Falls, Senior Environmental Manager Supervisor

Indiana Department of Transportation, Vincennes District

From: Susan Harrington, Environmental Planner V

HNTB Corporation

Re: Additional Information for Des No 1700165 - SR 65 over Black River, Bridge Replacement, approximately 2.09 miles south of SR 168 in Gibson County, Indiana

Introduction

This Additional Information (AI) memorandum provides supplemental information for the Categorical Exclusion Level 1 (CE-1) document that was approved on March 24, 2020, for the State Road (SR) 65 bridge replacement project in Gibson County (Appendix A, pages 1-3). This AI document outlines the changes that have occurred regarding right-of-way acquisition and project impacts. An increase in the amount of right-of-way needed for the project has caused the project to now meet the threshold for a CE-2 level document. Therefore, additional analysis required for a CE-2 has been included in this AI. In addition, this project now requires that a public notice be published offering the public the opportunity to comment and request a public hearing. Unless specifically discussed in this document, the impacts identified in the approved CE-1 document remain unchanged.

Purpose and Need

The need for this project is due to the deteriorated condition of the existing structure (Bridge No 065-26-00313/NBI No. 023210) carrying SR 65 over Black River. As illustrated in the Indiana Department of Transportation (INDOT) Bridge Inspection Report dated June 5, 2019, existing beams 2 and 6 exhibit notable deterioration consisting of cracking, efflorescence, heavy scaling, and heavy spalling with exposed reinforcing. Minor spalls with exposed reinforcing are also visible near the ends of beams, and the deck underside surfaces exhibited a few minor spalls with exposed reinforcing. The purpose of this project is to maintain a safe vehicular crossing of SR 65 over Black River while maintaining an adequate hydraulic opening for Black River. The original purpose and need of the project remain valid.

Project Description

The original project included replacing the existing structure and guardrail, regrading the slope, and relocation of a field entrance southeast of the existing structure. The existing structure will be replaced with a precast, reinforced concrete, three-sided flat top structure. The replacement structure has a clear roadway width of 30 feet and a clear span of 42 feet.

Supplemental Information

Subsequent to the approval of the environmental document, there was a change in the amount of right-of-way acquisition needed for the project. The originally approved CE-1 documented a need for 0.42 acre permanent new right-of-way, 0.12 acre of re-acquired apparent existing right-of-way, and 0.03 acre temporary right-of-way. As design of the project progressed, it was determined that more permanent right-of-way would be required to accommodate grading resulting from a raise in the profile grade, as well as relocation of an overhead utility line.

The final design for the project requires 1.249 acres of new permanent right-of-way, 0.333 acre of re-acquired apparent existing right-of-way, and 0.020 acre of temporary right-of-way (Appendix A, page 5).

Additional Information Memorandum
SR 65 over Black River, Bridge Replacement
Des No 1700165

The current use of the additional right-of-way is agriculture, forest, and maintained roadside. Right-of-way will be extended approximately 60 feet on either side of the edge of pavement at the location of the structure. Right-of-way will taper back towards the SR 65 roadway approximately 319 feet north and 420 feet south of the existing bridge.

In addition, there has been a change in the plan to relocate the field entrance. There is an existing field entrance further south of the project that provides access to the field. Therefore the field entrance nearest the proposed structure will be abandoned due to the placement of the proposed guardrail.

Public Involvement

Due to the increase in right-of-way requirements, this project will meet the minimum requirements described in the current *Indiana Department of Transportation (INDOT) Public Involvement Manual* which require the project sponsor to offer the public an opportunity to submit comments and/or request a public hearing. Therefore, a legal notice will appear in a local publication contingent upon the release of this document for public involvement. This document will be revised after the public involvement requirements are fulfilled.

Project Impacts

Stream Impacts:

Black River - The approved CE indicated that there would be 2 linear feet of permanent impacts to Black River due to encapsulation and approximately 150 linear feet of temporary impacts due to the placement of temporary cofferdams. The proposed bridge is 12 feet longer than the existing bridge; however, only 8 linear feet of additional encapsulation will occur (5 feet upstream and 3 feet downstream) because the proposed bridge will be skewed. Approximately 7 linear feet of permanent impacts to Black River will occur due to minor slope grading required to tie the proposed relocated Unnamed Tributary (UNT) to Black River in with Black River. Approximately 16 linear feet of permanent impacts to Black River will occur due the installation of Class 1 Riprap over geotextile for scour protection. This will result in a total of 31 linear feet of impacts below the Ordinary High Water Mark (OHWM) of Black River. Approximately 85 linear feet of Black River will be temporarily impacted due to dewatering. Dewatering is necessary to remove the existing structure and install scour protection in dry conditions. The 85 linear feet of temporary impacts will include the installation of temporary sump holes, temporary cofferdams, temporary channel diversion via a pump around, and access within the channel to complete the proposed construction.

UNT to Black River - The approved CE indicated that there would be approximately 60 linear feet of permanent impacts to UNT to Black River due to relocation of the stream and approximately 60 linear feet of temporary impacts to UNT to Black River. Approximately 43 linear feet of permanent impacts to UNT to Black River will occur due the relocation of the existing channel. The proposed channel will be approximately 43 feet long, 6.5 feet wide, and have a flat bottom with 2:1 side slopes. The existing channel will be filled in following the release of water in the proposed channel. Approximately 43 linear feet of UNT to Black River will be temporarily impacted due to dewatering to install scour protection in dry conditions.

Stream Impacts		
	Original (documented in CE-1)	Revised (documented in approved permits)
	Linear Feet	Linear Feet
Black River Permanent	2	31
Black River Temporary	150	85
UNT to Black River Permanent	60	43
UNT to Black Temporary	60	43

Terrestrial Habitat:

The approved CE-1 documented approximately 0.57 acre of habitat disturbance due to construction of the new bridge and for equipment to access the project area. Grading and relocation of the overhead utility line will require additional impacts to terrestrial habitat, including tree clearing (Appendix A, page 5). Mitigation for terrestrial habitat impacts is not expected. All disturbed areas will be restored according to current INDOT Standard Specifications.

Terrestrial Habitat Impacts		
	Original (documented in CE-1)	Revised
Habitat Disturbance	0.57 acre	0.82 acre
Tree Clearing	0.01 acre	0.04 acre

Protected Species:

A bridge inspection occurred on October 7, 2021, and no signs of bats or birds were found (Appendix D, page 1).

Farmland:

The approved CE document indicated that the project would not cause a conversion of prime farmland. A revised AD-1006 form was completed and returned to NRCS with a total point value of 155 (Appendix E, page 1). NRCS's threshold score for significant impacts to farmland that result in the consideration of alternatives is 160. Since this revised project score is less than the threshold, no significant loss of prime, unique, statewide, or local important farmland will result from this project. No alternatives other than those previously discussed in this document will be investigated without reevaluating impacts to prime farmland.

Cultural Resources:

An Addendum to the Phase Ia Archaeological Reconnaissance Survey dated November 27, 2019, was needed to confirm that the revised project still meets the requirements of the Minor Project Programmatic Agreement (MPPA). The Indiana Archaeological Short Report, dated December 9, 2021, indicated that no archaeological resources were found (Appendix B, pages 5-7). On January 31, 2021, the INDOT Cultural Resources Office confirmed that MPPA Category B-12 remains applicable for the project (Appendix B, pages 1-4).

Environmental Justice:

Under FHWA Order 6640.23A, FHWA and the project sponsor, as a recipient of funding from FHWA, are responsible to ensure that their programs, policies, and activities do not have a disproportionately high and adverse effect on minority or low-income populations. Per the current INDOT Categorical Exclusion Manual, an Environmental Justice (EJ) Analysis is required for any project that has two or more relocations or 0.5 acre of additional permanent right-of-way. The project will require 1.249 acres of new permanent right-of-way and no relocations. Therefore, an EJ Analysis is required.

Potential EJ impacts are detected by locating minority and low-income populations relative to a reference population to determine if populations of EJ concern exists and whether there could be disproportionately high and adverse impacts to them. The reference population may be a county, city or town and is called the community of comparison (COC). In this project, the COC is Gibson County. The community that overlaps the project area is called the affected community (AC). In this project, the AC is Census Tract 501. An AC has a population of concern for EJ if the population is more than 50% minority or low-income or if the low-income or minority population is 125% of the COC. Data from the US Census Bureau was obtained from the American Community Survey 2019 5-year estimates on July 12, 2021, by HNTB. The data collected for minority and low-income populations within the AC are summarized in the below table.

Minority and Low-Income Data (American Community Survey, 2019)		
	COC: Gibson County	AC: Census Tract 501, Gibson County
Percent Minority	6.4%	2.0%
125% of COC	8.0%	AC < 125% COC
EJ Population of Concern		No
Percent Low-Income	9.3%	14.2
125% of COC	11.6%	AC > 125% COC
EJ Population of Concern		Yes

Census Tract 501 has a percent minority of 2.0%, which is below 50% and is below the 125% COC threshold. Therefore, Census Tract 501 does not contain minority populations of EJ concern.

Census Tract 501 has a percent low-income of 14.2%, which is below 50% but is above the 125% COC threshold. Therefore, Census Tract 501 does contain a low-income population of EJ concern.

Conclusion:

The census data sheets, map, and calculations can be found in Appendix C. The proposed bridge replacement project is in a rural area and will require 1.249 acres of new right-of-way and no relocations. The MOT plan requires the closure of SR 65 for approximately two months. An official state route detour utilizing SR 68, US 41, and SR 168 will be in place. The proposed detour will be approximately 20 miles long and will add approximately 14.87 miles to a trip through the area. A local detour may be available during construction. Access for local traffic will be provided during construction per INDOT Standard Specification 107.08(e). The identified EJ community, as well as the general population will benefit from

Additional Information Memorandum
SR 65 over Black River, Bridge Replacement
Des No 1700165

the project. There are no residential or community properties within the vicinity of the project. INDOT-Environmental Services Division (ESD) reviewed the project information along with EJ analysis on August 26, 2021 (Appendix C, page 8) and stated, "With the information provided, INDOT-ESD would not consider the impacts associated with this project as causing a disproportionately high and adverse effect on minority and/or low income populations of EJ concern relative to non EJ populations in accordance with the provisions of Executive Order 12898 and FHWA Order 6640.23a. No further EJ Analysis is required."

Commitments

The environmental commitments in the approved CE-1 document still apply to the project, with the exception of the structure inspection commitment, which has been updated below.

USFWS Bridge/Structure Assessment shall take place no earlier than two (2) years prior to the start of construction. If construction will begin after October 7, 2023, an inspection of the structure by a qualified individual, must be performed. Inspection of the structure should check for presence of bats/bat indicators and/or presence of birds. The results of the inspection must indicate no signs of bats or birds. If signs of bats or birds are documented during this inspection, the INDOT District Environmental Manager must be contacted immediately. (INDOT ES)

Summary

The purpose of this AI is to document the change in the amount of right-of-way acquisition that is required for the project and other minor changes in the project's impacts. Unless otherwise stated in this AI document, all information, conclusions, and commitments from the approved CE remain valid and must be adhered to.

Released for Public Involvement:



3/15/2022

Ryan Falls
INDOT Vincennes District

Date

Approved by:

Ryan Falls
INDOT Vincennes District

Date

Additional Information Memorandum
SR 65 over Black River, Bridge Replacement
Des No 1700165

Reviewer:

Name	Date
INDOT Vincennes District	

Appendices

Appendix A: Graphics

- A-1 General Location Map
- A-2 Aerial Map
- A-3 Topographic Map
- A-4 Revised Plan Sheet
- A-5 Updated Impacts Map

Appendix B: Cultural Resources

- B-1 INDOT CRO Coordination

Appendix C: Environmental Justice

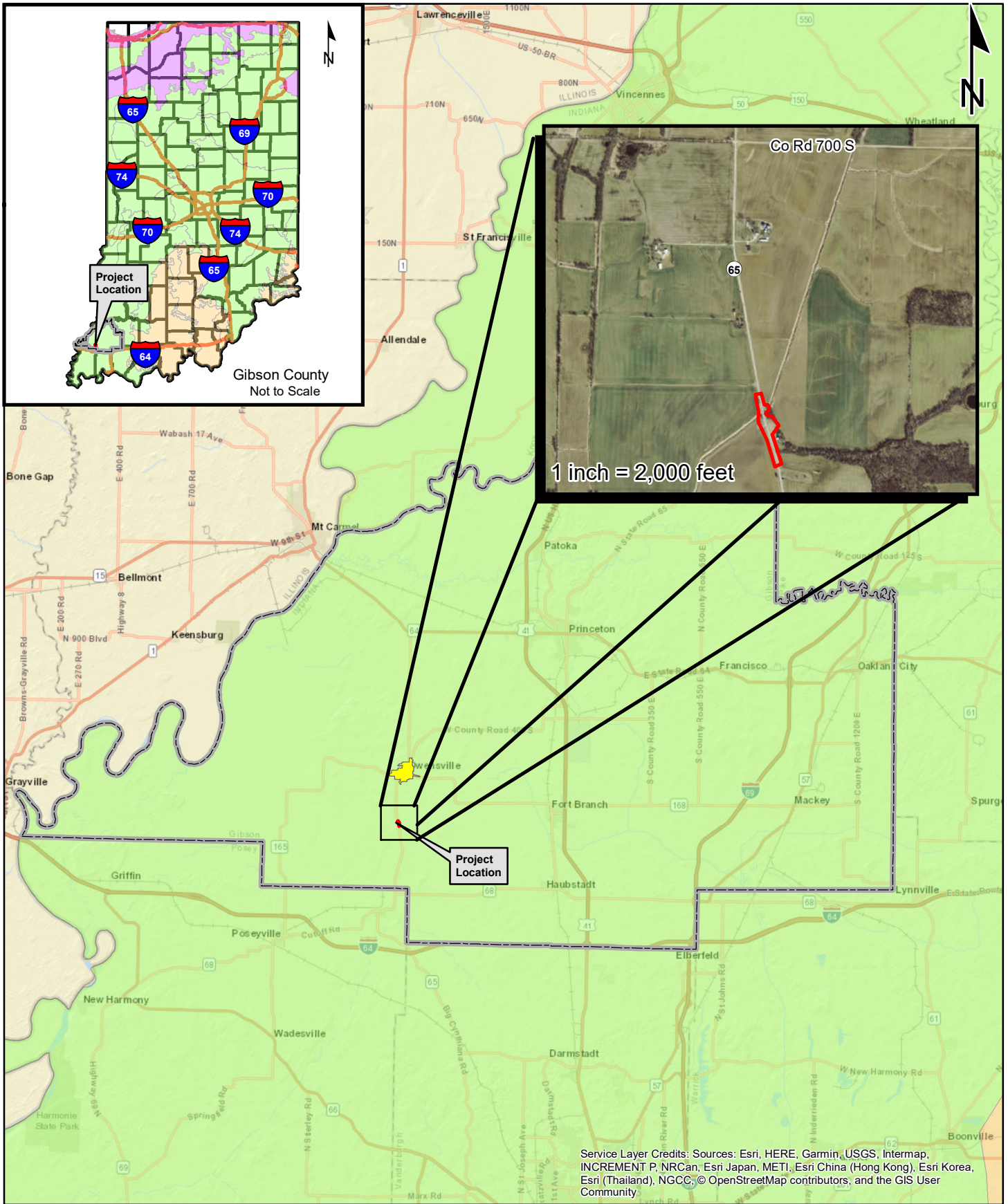
- C-1 Environmental Justice Supporting Information

Appendix D: Protected Species

- D-1 Bridge Inspection Form

Appendix E: Correspondence

- E-1 Updated NRCS Form

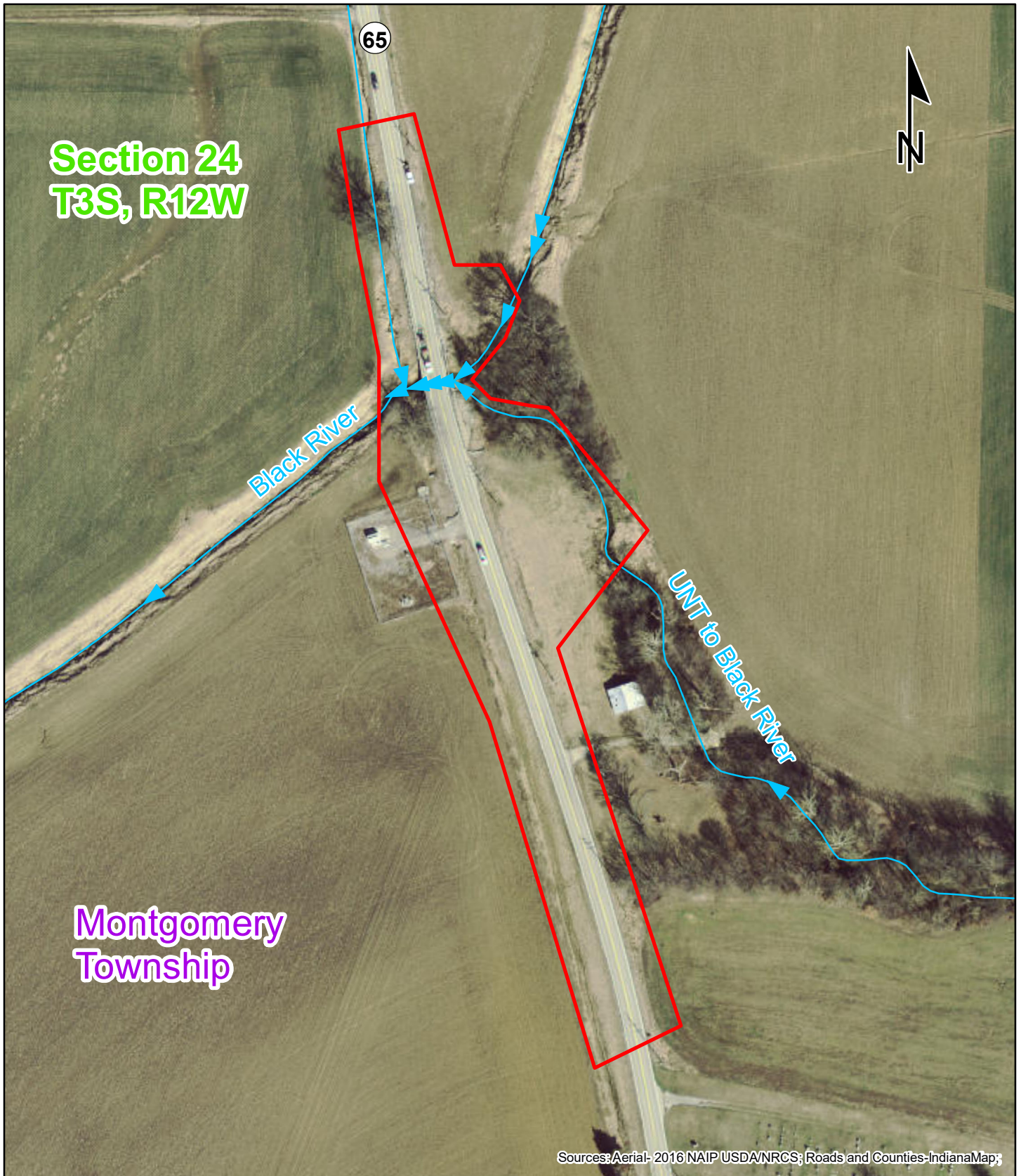





NRCS Land Resource Regions		Investigated Area
	Northeast and Northcentral	Owensville, IN
	Midwest	Gibson County
	Eastern Mountains and Piedmont	
		0 3 6 Miles

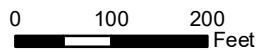
Figure 1: Project Location Map
 SR 65 over Black River
 Bridge Replacement
 Gibson County, Indiana

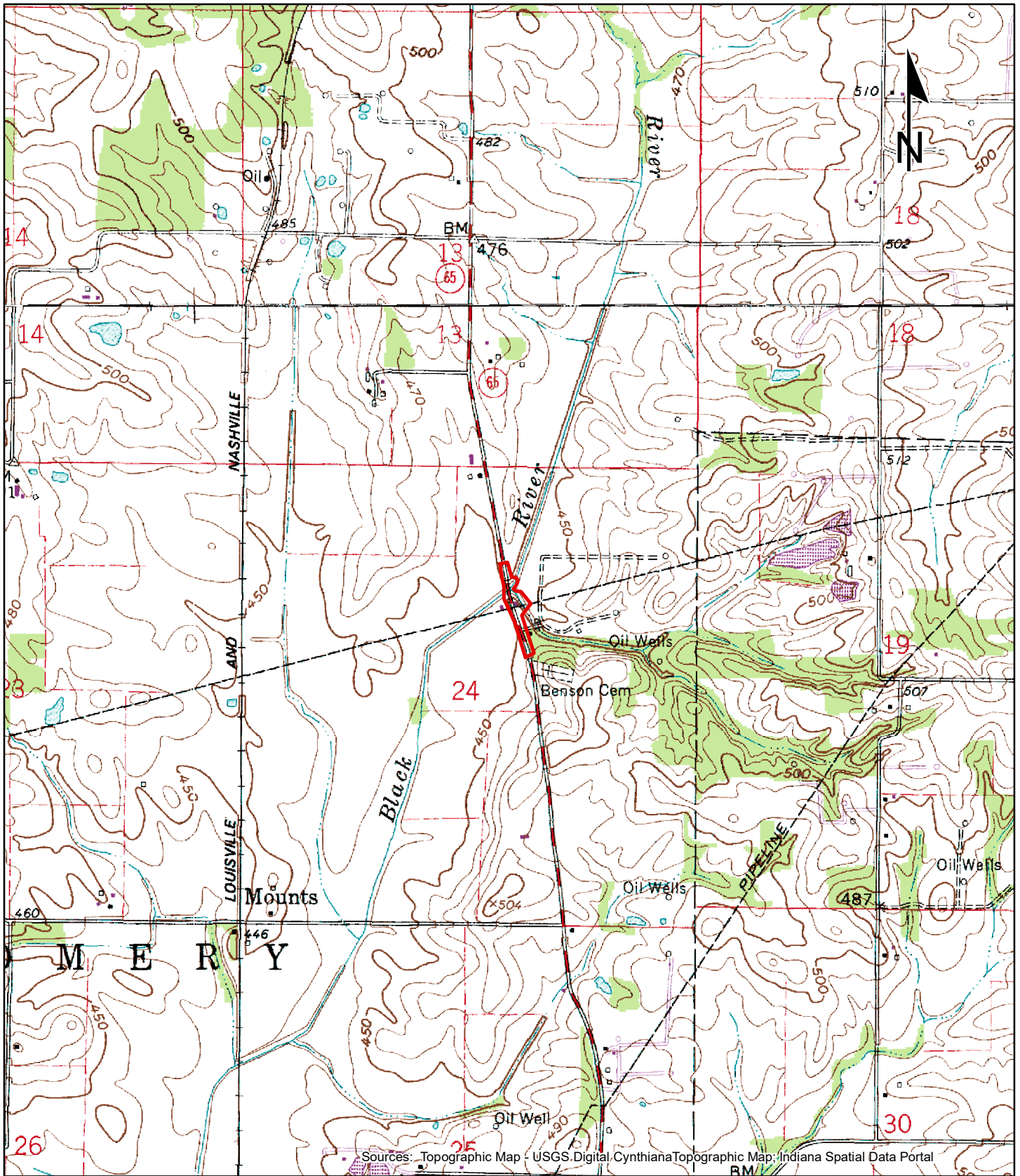
Des. No. 1700165	
1 in = 6 miles	


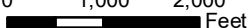
Graphics created by HNTB Corporation (2020)



 Investigated Area  National Hydrography Flowlines	Figure 2: Project Aerial Map SR 65 over Black River Bridge Replacement Gibson County, Indiana	
	Des. No. 1700165 1 inch = 200 feet	 Graphics created by HNTB Corporation (2020)

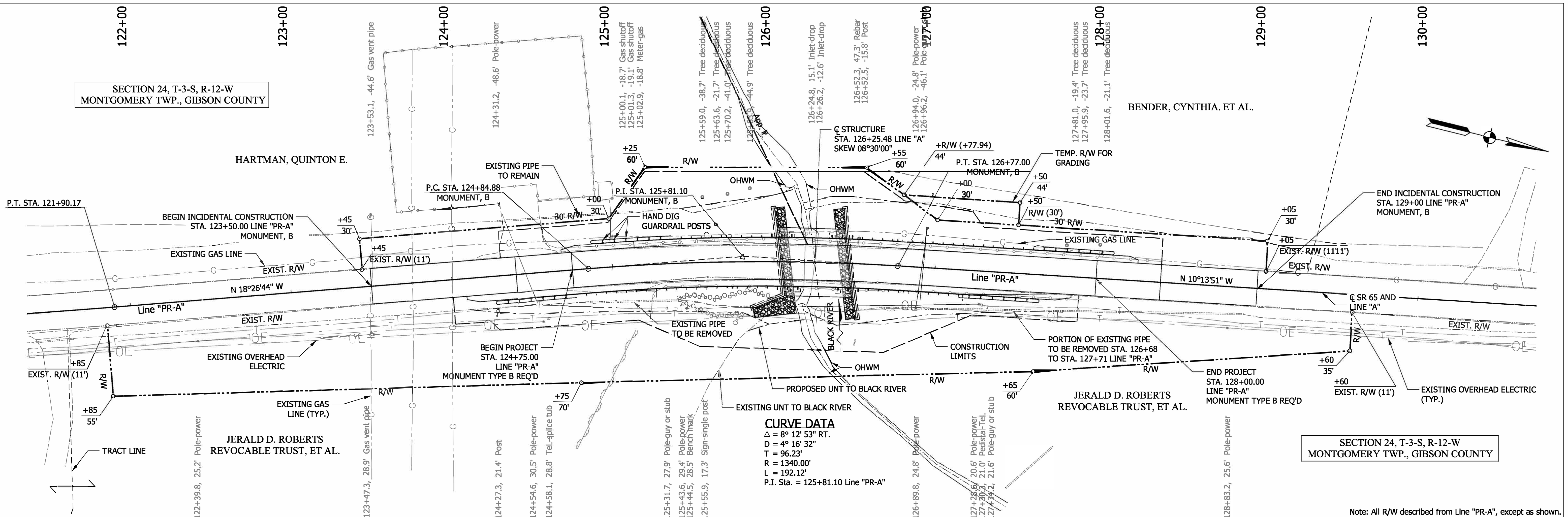




 Investigated Area	Figure 3: USGS (1:24,000 scale) Topographic Map SR 65 over Black River Bridge Replacement Gibson County, Indiana	
	Des. No.1700165 0 1,000 2,000 Feet 	1 inch = 2,000 feet

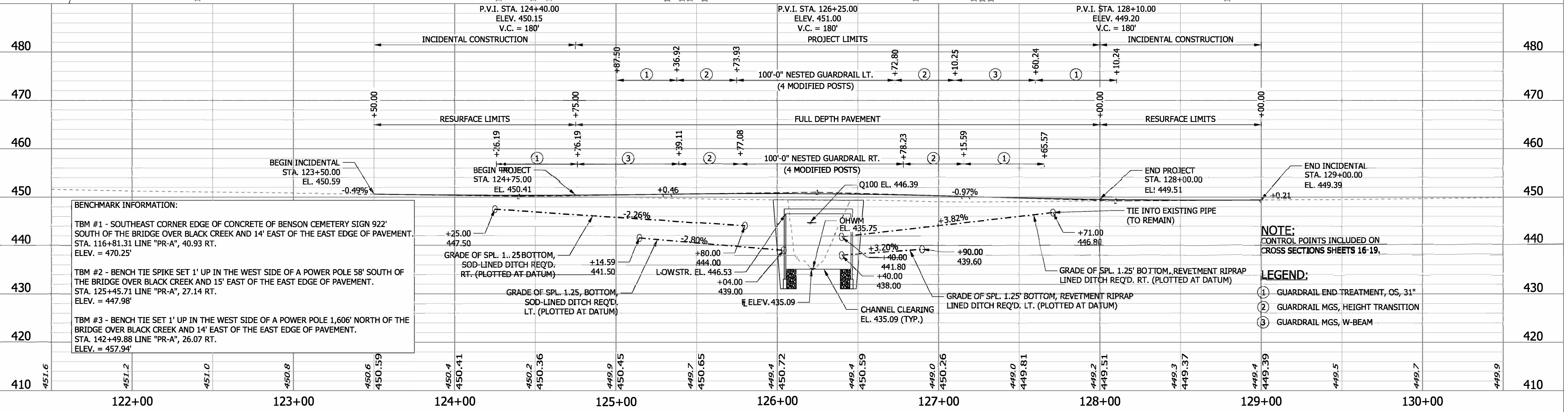
SECTION 24, T-3-S, R-12-W
MONTGOMERY TWP., GIBSON COUNTY

SECTION 24, T-3-S, R-12-W
MONTGOMERY TWP., GIBSON COUNTY



CURVE DATA
 $\Delta = 8^\circ 12' 53''$ RT.
 $D = 4^\circ 16' 32''$
 $T = 96.23'$
 $R = 1340.00'$
 $L = 192.12'$
 P.I. Sta. = 125+81.10 Line "PR-A"

Note: All R/W described from Line "PR-A", except as shown.



BENCHMARK INFORMATION:
 TBM #1 - SOUTHEAST CORNER EDGE OF CONCRETE OF BENSON CEMETERY SIGN 922' SOUTH OF THE BRIDGE OVER BLACK CREEK AND 14' EAST OF THE EAST EDGE OF PAVEMENT. STA. 116+81.31 LINE "PR-A", 40.93 RT. ELEV. = 470.25'
 TBM #2 - BENCH TIE SPIKE SET 1' UP IN THE WEST SIDE OF A POWER POLE 58' SOUTH OF THE BRIDGE OVER BLACK CREEK AND 15' EAST OF THE EAST EDGE OF PAVEMENT. STA. 125+45.71 LINE "PR-A", 27.14 RT. ELEV. = 447.98'
 TBM #3 - BENCH TIE SET 1' UP IN THE WEST SIDE OF A POWER POLE 1,606' NORTH OF THE BRIDGE OVER BLACK CREEK AND 14' EAST OF THE EAST EDGE OF PAVEMENT. STA. 142+49.88 LINE "PR-A", 26.07 RT. ELEV. = 457.94'

NOTE:
CONTROL POINTS INCLUDED ON CROSS SECTIONS SHEETS 16-19.

LEGEND:
 ① GUARDRAIL END TREATMENT, OS, 31"
 ② GUARDRAIL MGS, HEIGHT TRANSITION
 ③ GUARDRAIL MGS, W-BEAM

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

DESIGNED: EAH DRAWN: EAH

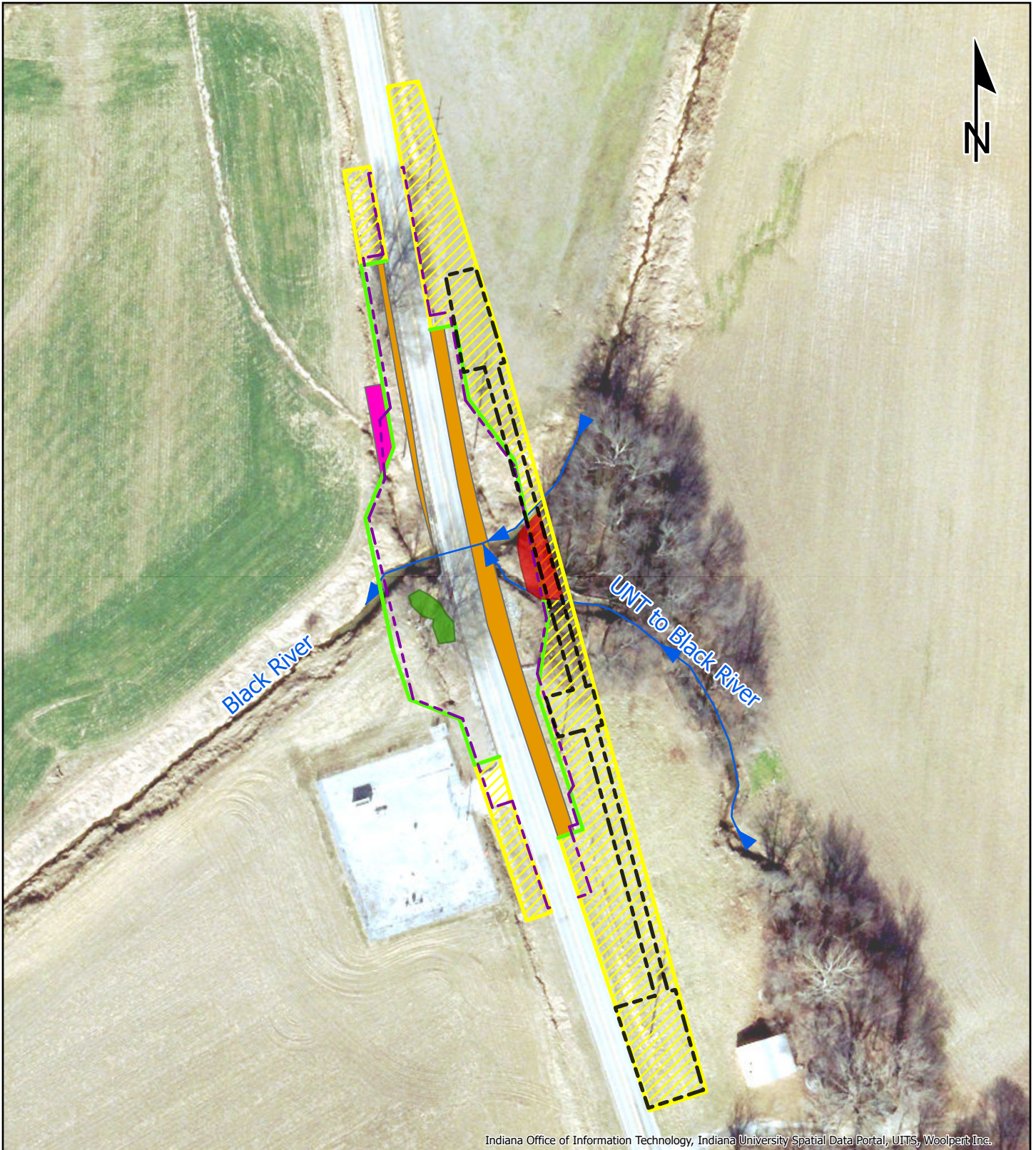
CHECKED: ALR CHECKED: MEW

INDIANA DEPARTMENT OF TRANSPORTATION

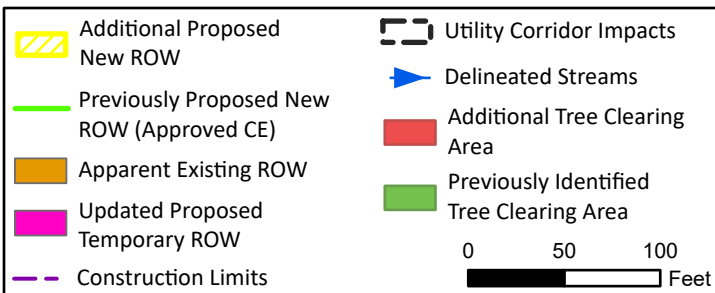
PLAN AND PROFILE


HORIZONTAL SCALE 1" = 30'	BRIDGE FILE 065-26-10331
VERTICAL SCALE 1" = 10'	DESIGNATION 1700165
SURVEY BOOK ELECTRONIC	SHEETS 5 of 19
CONTRACT R-40567	PROJECT 1700165

mless 11/17/2021 2:00:39 pm
 mless:Plan and profile
 file: I:\Work\0126\proj\cas\70946_monty_2018_bridges\1080-sms_black_creek_dwg\1700165-bp-ph01-50scale.dgn



Indiana Office of Information Technology, Indiana University Spatial Data Portal, ULITS, Woolpert Inc.



<h3>Updated Impacts Map</h3> <p>SR 65 over Black River Bridge Replacement Gibson County, Indiana</p>	
Des. No. 1700165	 Graphics created by HNTB Corporation (2022)
1 inch = 100 ft	

Minor Projects PA Project Assessment Form– Category B Projects with Archaeology Work

Date: 2/21/20 (Updated 3/3/20) (Updated 8/6/21) (Updated 1/31/22)

Project Designation Number: 1700165

Route Number: SR 65

Project Description: Bridge Replacement Project, 2.09 miles south of SR 168

The Indiana Department of Transportation (INDOT) is proposing a bridge replacement project (DES # 1700165) of the bridge that carries State Road (SR) 65 over Black River. The project is in a rural portion of Gibson County, approximately 2.09 miles south of SR 168. The proposed bridge replacement project will include replacement of the existing bridge, guardrail replacement, and relocation of a field entrance in the southeast corner. Acquisition of approximately 0.46 acre of right-of-way (ROW) is anticipated.

On February 24, 2020 INDOT, CRO was notified of an increase in proposed ROW from 0.46 acres to 0.54 acres of permanent ROW and 0.03 acres of temporary ROW.

On Friday, July 9, 2021 INDOT, CRO was notified of a second change in the proposed ROW amounts.

The revised ROW totals are:

Re-acquisition of apparent existing ROW: 0.279 acres

New permanent ROW (not including re-acquisition): 0.706 acres

Temporary ROW: 0.030 acres

On September 27, 2021, CRO was notified of a third change in the proposed ROW acquisition for this project. This latest change is located on the east side of the existing structure, in order to accommodate an overhead utility line. The total for additional proposed new ROW is 0.67 acre. An addendum archaeological reconnaissance was recommended for this additional ROW.

Feature crossed (if applicable): Black River

Township: Montgomery

City/County: Gibson

Information reviewed (please check all that apply):

General project location map USGS map Aerial photograph Interim Report

Written description of project area General project area photos Soil survey data

Previously completed historic property reports Previously completed archaeology reports

Bridge Inspection Information

Other (please specify): SHAARD GIS; SHAARD; online street-view images; Indiana Historic Building, Bridges, and Cemeteries (IHBBC) map; Bridge Inspection Application System (BIAS); 2010 INDOT-sponsored *Historic Bridge Inventory* (HBI); project information provided by HNTB (dated October 7, 2019) and on file with INDOT CRO

Dickerson, John P. and Andrew V. Martin

2019 A Phase Ia Archaeological Reconnaissance Survey for the Proposed Bridge Replacement Project along SR 56 over the Black River in Gibson County, Indiana (INDOT Des. No. 1700165). Cultural Resource Analyst, Inc. Report on file at IDNR, DHPA.

Moffatt, David

2021 A Addendum Phase Ia Archaeological Reconnaissance Survey for the Proposed Bridge Replacement Project (Des. No. 1700165) along SR 65 over the Black River, 2.09 Miles South of SR 168, in Gibson County, Indiana. INDOT, CRO. Report on file at IDNR, DHPA.

Results of the Records Review for Above-Ground Resources:

With regard to above-ground resources, an INDOT Cultural Resources historian who meets the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61 first performed a desktop review, checking the Indiana Register of Historic Sites and Structures (State Register) and National Register of Historic Places (National Register) lists for Gibson County. No listed resources are present within 0.25 mile of the project area, a distance that would serve as an adequate area of potential effects (APE) given the scope of the project and the surrounding terrain.

The *Gibson County/Warrick County Interim Report* (1988 (published); re-survey 2010 (SHAARD-GIS only); Montgomery Township) of the Indiana Historic Sites and Structures Inventory (IHSSI) was also consulted. The National Register & IHSSI information is available in the Indiana State Historic Architectural and Archaeological Research Database (SHAARD) and the Indiana Historic Buildings, Bridges, and Cemeteries (IHBBC) map. The SHAARD information was checked against the Interim Report hard-copy maps. No IHSSI sites are recorded within 0.25 mile of the project.

Land surrounding the project area is rural, a mixture of agricultural fields with wooded tree-lines along area streams and ditches. Some farms and farm residences are present as well; however, none are located within 0.25 mile of the proposed project location. A fenced gravel-lot, location of a utility substation of some type, is located to the southwest of the subject structure. Area topography is generally flat.

The subject bridge (Bridge No. #065-26-00313; NBI #23210) is a reinforced concrete girder bridge built in 1924 and reconstructed in 1966. The bridge length is 32 feet and the deck width--out-to-out—is 30 feet. The INDOT-sponsored *Historic Bridge Inventory* determined that this bridge is not eligible for listing in the National Register (*Volume 2, Section 2, page 476*).

Based on the available information, as summarized above, no above-ground concerns exist as long as the project scope does not change.

Archaeology Report Author/Date: John P. Dickerson/November 27, 2019
David Moffatt/December 9, 2021

Summary of Archaeology Investigation Results:

An archaeological records check and Phase Ia reconnaissance survey of the project area were conducted by CRA (Dickerson 2019). The records check found that no previous surveys have covered any portion of the project area, and no previously recorded sites have been identified within or adjacent to the project area. A 0.7 acre survey area was examined through a combination of systematic shovel probing and visual inspection of disturbed areas. A total of seven shovel probes were placed in undisturbed areas with 0% visibility. No archaeological sites were identified and no further work was recommended. The report was reviewed by INDOT Cultural Resources personnel who meet the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61. It is our opinion that the report is acceptable,

and we concur with the evaluations and recommendations made by Dickerson (2019). Therefore, there are no archaeological concerns.

An addendum Phase Ia reconnaissance survey was completed by INDOT, CRO (Moffatt 2021) to cover all additional right-of-way proposed after the 2019 archaeological reconnaissance. The 2021 records check found that no new archaeological reconnaissances or site had been recorded near the proposed project. The survey area was examined through shovel probes, pedestrian survey, and and visual inspection of disturbed areas. A total of seven shovel probes were placed in undisturbed areas with 0% visibility. No archaeological sites were identified and no further work was recommended. Therefore, there are no archaeological concerns.

Does the project appear to fall under the Minor Projects PA? yes no

If yes, please specify category and number (applicable conditions are highlighted):

B-12. Replacement, widening, or raising the elevation of the superstructure on existing bridges, and bridge replacement projects (when both the superstructure and substructure are removed), under the following conditions **[BOTH Condition A, which pertains to Archaeological Resources, and Condition B, which pertains to Above-Ground Resources, must be satisfied]**:

Condition A (Archaeological Resources)

One of the two conditions listed below must be met (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work occurs in previously disturbed soils; *OR*
- ii. Work occurs in undisturbed soils and an archaeological investigation conducted by the applicant and reviewed by INDOT Cultural Resources Office determines that no National Register-listed or potentially National Register-eligible archaeological resources are present within the project area. If the archaeological investigation locates National Register-listed or potentially National Register-eligible archaeological resources, then full Section 106 review will be required. Copies of any archaeological reports prepared for the project will be provided to the DHPA and any archaeological site form information will be entered directly into the SHAARD by the applicant. The archaeological reports will also be available for viewing (by Tribes only) on INSCOPE.

Condition B (Above-Ground Resources)

The conditions listed below must be met (*BOTH Condition i and Condition ii must be satisfied*)

- i. Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *AND*
- ii. With regard to the subject bridge, at least one of the conditions listed below is satisfied (*AT LEAST one of the conditions a, b or c, must be fulfilled*):
 - a. The latest Historic Bridge Inventory identified the bridge as non-historic (see <http://www.in.gov/indot/2531.htm>);
 - b. The bridge was built after 1945, and is a common type as defined in Section V. of the Program Comment Issued for Streamlining Section 106 Review for Actions Affecting Post-1945 Concrete and Steel Bridges issued by the Advisory Council on Historic Preservation on November 2, 2012 for so long as that Program Comment remains in effect AND the considerations listed in Section IV of the Program Comment do not apply;
 - c. The bridge is part of the Interstate system and was determined not eligible for the National Register under the Section 106 Exemption Regarding Effects to the Interstate Highway System adopted by the Advisory Council on Historic Preservation on March 10, 2005, for so long as that Exemption remains in effect.

If no, please explain:

Additional comments: If any archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, construction within 100 feet of the find will be stopped and the INDOT Cultural Resources Office and the Division of Historic Preservation and Archaeology will be notified immediately.

INDOT Cultural Resources staff reviewer(s): Susan Branigin and David Moffatt

****Be sure to attach this form to the National Environmental Policy Act documentation for this project. Also, the NEPA documentation shall reference and include the description of the specific stipulation in the PA that qualifies the project as exempt from further Section 106 review.*



INDIANA ARCHAEOLOGICAL SHORT REPORT

State Form 54566 (R2 / 11-20)

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) David Moffatt		Date (month, day, year) 12/9/2021
Title of project An Addendum Phase Ia Archaeological Reconnaissance Survey for the Proposed Bridge Replacement Project (Des. No. 1700165) carrying SR 65 over the Black River, 2.09 Miles South of SR 168, in Gibson County, Indiana.		
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 Ia archaeological reconnaissance <input checked="" type="checkbox"/> An addendum to a previous archaeological report. <i>For an addendum, provide the following information.</i>		
Name(s) of author(s) of previous report John P. Dickerson,		
Title of previous report A Phase Ia Archaeological Reconnaissance Survey for the Proposed Bridge (Bridge No. 065-26-313) Replacement Project along SR 65 over the Black River in Gibson County, Indiana (INDOT Des No. 1700165) (Cultural Resource Analysts, Inc., Contract Publication Series 19-744).		
Date of previous report (month, day, year) 11/27/2019	DHPA number	

PROJECT OVERVIEW

Description of project The Indiana Department of Transportation (INDOT) is proposing to replace the bridge carrying SR 65 over the Black River in Gibson County, Indiana (Figures 1 and 2). The project will include replacement of the existing bridge, guardrail replacement, relocation of a field entrance, and moving an overhead utility line.			
INDOT designation number(s) 1800178	Project number	DHPA number	DHPA plan number
Prepared for: (Company / Institution / Agency) INDOT, Vincennes District			
Name of contact Troy Arnold			
Address (number and street, city, state, and ZIP code) 3650 South U.S. Highway 41, Vincennes, IN 47591			
Telephone number (812) 895-7348	E-mail address tarnold@indot.in.gov		
Name of principal investigator David Moffatt			
Name of company / institution INDOT, CRO			
Address (number and street, city, state, and ZIP code) 100 North Senate Ave., N758-Environmental Services, Indianapolis, IN, 46204			
Telephone number (317) 439-3337	E-mail address cmoffatt@indot.in.gov		
Signature of principal investigator (Required)			Date (month, day, year) 10/22/2021

PROJECT LOCATION

County Gibson	USGS 7.5' series topographic quadrangle Cynthiana		Civil township Montgomery			
Legal Location						
Grid alignment NE						
1/4	1/4	1/4	1/4	Section	Township	Range
NE	NW	SW	NE	24	3S	12W
SE	SW	NW	NE	24	3S	12W

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 Ia archaeological reconnaissance is recommended.
- 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 Ia archaeological reconnaissance *(Check all that apply.)*

- It is recommended that the project be allowed to proceed as planned because the Phase Ia 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 Ic archaeological subsurface reconnaissance be conducted before the project is allowed to proceed. The Phase Ia archaeological reconnaissance has determined that the project area includes landforms which have the potential to contain buried archaeological deposits.

Other recommendations / commitments

The soil within the project area is a Mollisol and therefore has potential for buried archaeological sites depending on the landform. Gleying was present in the B horizon indicating that the soil was wet for significant periods of time. Therefore the alluvial landform is not conducive to buried archaeological sites and so a Phase Ic is not recommended.

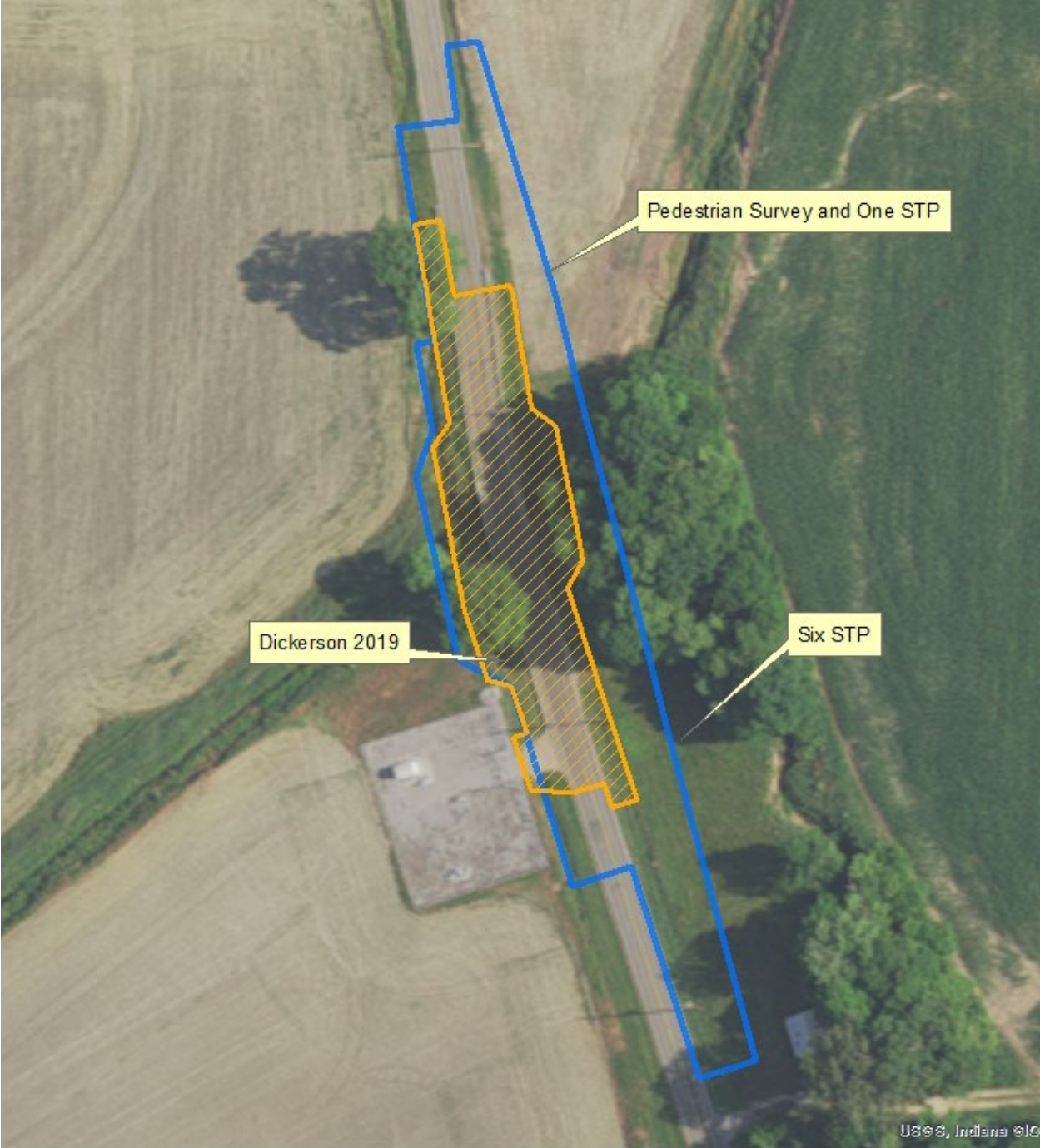


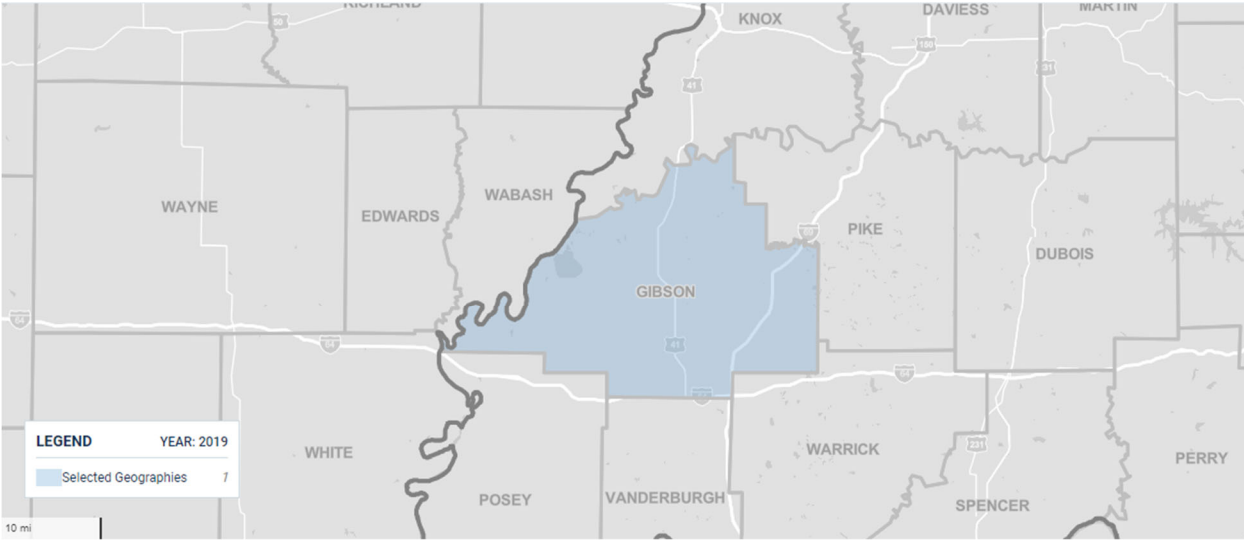
Figure 3. 2016 aerial photograph showing land use in the project area

COUNTY SELECTION MAP

Geographies: County

Year: 2019

- Select
- Clear Geos
- Table
- Notes

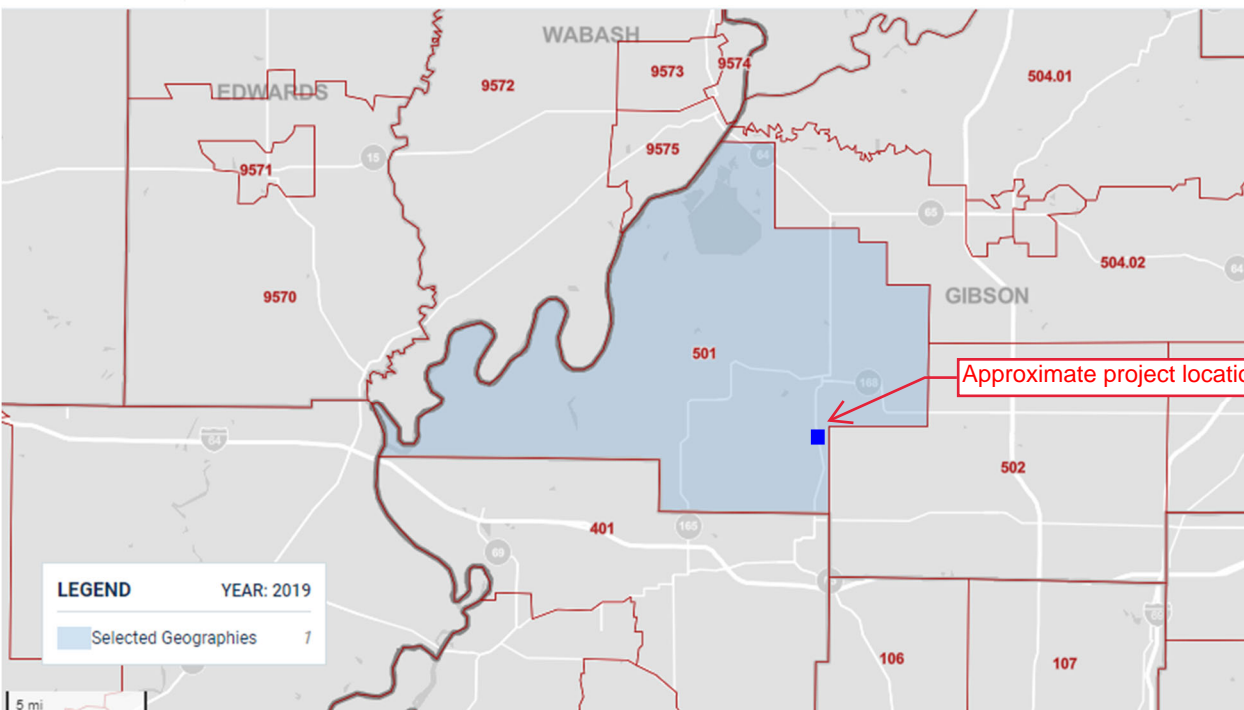


CENSUS TRACT SELECTION MAP

Geographies: Census Tract

Year: 2019

- Select
- Clear Geos
- Table
- Notes



POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE

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

	Gibson County, Indiana	Census Tract 501, Gibson County, Indiana
Label	Estimate	Estimate
▼ Total:	32,769	3,948
▼ Income in the past 12 months below poverty level:	3,051	559
▼ Male:	1,406	248
Under 5 years	195	33
5 years	13	0
6 to 11 years	137	54
12 to 14 years	112	4
15 years	25	13
16 and 17 years	41	0
18 to 24 years	176	19
25 to 34 years	113	15
35 to 44 years	136	45
45 to 54 years	106	9
55 to 64 years	153	25
65 to 74 years	157	28
75 years and over	42	3
▼ Female:	1,645	311
Under 5 years	102	31
5 years	5	0

Table Notes

POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE

Survey/Program: American Community Survey

Universe: Population for whom poverty status is determined

Year: 2019

Estimates: 5-Year

Table ID: B17001

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

Source: U.S. Census Bureau, 2015-2019 American Community Survey 5-Year Estimates

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

The 2015-2019 American Community Survey (ACS) data generally reflect the September 2018 Office of Management and Budget (OMB) delineations of metropolitan and micropolitan statistical areas. In certain instances, the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB delineation lists due to differences in the effective dates of the geographic entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Explanation of Symbols:

An "**" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.

An "-" entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution, or the margin of error associated with a median was larger than the median itself.

An "-" following a median estimate means the median falls in the lowest interval of an open-ended distribution.

An "+" following a median estimate means the median falls in the upper interval of an open-ended distribution.

An "***" entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.

An "*****" entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.

An "N" entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.

An "(X)" means that the estimate is not applicable or not available.

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section.

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

HISPANIC OR LATINO ORIGIN BY RACE

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

	Gibson County, Indiana	Census Tract 501, Gibson County, Indiana
Label	Estimate	Estimate
▼ Total:	33,656	4,012
▼ Not Hispanic or Latino:	33,111	4,006
White alone	31,492	3,933
Black or African American alone	738	5
American Indian and Alaska Native alone	16	0
Asian alone	143	29
Native Hawaiian and Other Pacific Islander alone	0	0
Some other race alone	19	0
▼ Two or more races:	703	39
Two races including Some other race	0	0
Two races excluding Some other race, and three or more races	703	39
▼ Hispanic or Latino:	545	6
White alone	373	6
Black or African American alone	2	0
American Indian and Alaska Native alone	0	0
Asian alone	0	0
Native Hawaiian and Other Pacific Islander alone	0	0
Some other race alone	129	0
▼ Two or more races:	41	0

Table Notes

HISPANIC OR LATINO ORIGIN BY RACE

Survey/Program: American Community Survey

Universe: Total population

Year: 2019

Estimates: 5-Year

Table ID: B03002

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

Source: U.S. Census Bureau, 2015-2019 American Community Survey 5-Year Estimates

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

The 2015-2019 American Community Survey (ACS) data generally reflect the September 2018 Office of Management and Budget (OMB) delineations of metropolitan and micropolitan statistical areas. In certain instances, the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB delineation lists due to differences in the effective dates of the geographic entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Explanation of Symbols:

An "**" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.

An "-" entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution, or the margin of error associated with a median was larger than the median itself.

An "-" following a median estimate means the median falls in the lowest interval of an open-ended distribution.

An "+" following a median estimate means the median falls in the upper interval of an open-ended distribution.

An "***" entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.

An "*****" entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.

An "N" entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.

An "(X)" means that the estimate is not applicable or not available.

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section.

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

Susan Harrington

From: Fair, Terri <TFair@indot.IN.gov>
Sent: Thursday, August 26, 2021 1:07 PM
To: Susan Harrington
Cc: Bales, Ronald; Miller, Brandon
Subject: FW: EJ Analysis for AI SR 65 over Black River - Des 1700165
Attachments: Aug 26 21 AI des 1700165 EJ Analysis.pdf

INDOT-Environmental Services Division (ESD) has reviewed the project information along with the Environmental Justice (EJ) Analysis for the above referenced project. With the information provided, the project may require minimal right-of-way, require no relocations, and would not disrupt community cohesion or create a physical barrier. With the information provided, INDOT-ESD would not consider the impacts associated with this project as causing a disproportionately high and adverse effect on minority and/or low income populations of EJ concern relative to non EJ populations in accordance with the provisions of Executive Order 12898 and FHWA Order 6640.23a. No further EJ Analysis is required.

INDOT Bridge/Small Structure Bat Inspection Data Sheet (Rev 4/29/2016)

General Information		
Date of Inspection:	Initial Inspection <input type="checkbox"/>	Temp:
Time of Inspection:	Follow-up Inspection <input type="checkbox"/>	Wind:
County:	Construction <input type="checkbox"/>	Precip:
Inspected by:		Sunrise: Sunset:
GPS Northing: Easting: UTM Zone: 16	Contract Number:	Anticipated Start Date for Construction:

Bridge or Culvert	Bridge or Culvert
Stream or Road Crossed:	Station:
Bridge/Culvert number:	Number of Spans:
Type of Structure: <input type="checkbox"/> Concrete box beam <input type="checkbox"/> Steel beam <input type="checkbox"/> Concrete I-beam <input type="checkbox"/> Steel girder <input type="checkbox"/> Concrete bulb tee beam <input type="checkbox"/> Steel pony truss <input type="checkbox"/> Concrete arch <input type="checkbox"/> Welded steel thru girder <input type="checkbox"/> Concrete girder <input type="checkbox"/> Concrete box culvert <input type="checkbox"/> Concrete slab <input type="checkbox"/> Concrete pipe <input type="checkbox"/> Multi-plate arch <input type="checkbox"/> Corrugated steel pipe <input type="checkbox"/> Other (list):	Material: <input type="checkbox"/> Concrete <input type="checkbox"/> Steel <input type="checkbox"/> Other (describe): Shape: <input type="checkbox"/> Box Culvert <input type="checkbox"/> Pipe <input type="checkbox"/> Arch <input type="checkbox"/> Slab <input type="checkbox"/> Other (describe)
Searched entire structure? If not, why not?	Location of bats or signs of use (w/drawing and photos):
Bats Present? <input type="checkbox"/> Seen? <input type="checkbox"/> Heard?	
In Clusters? Number of clusters:	
Number of bats in largest cluster:	
Approximate total number of bats found:	
Signs of previous bat use? <input type="checkbox"/> Guano <input type="checkbox"/> Staining	

If Bats Present
Date and Time Project Supervisor was notified:
Name of Project Supervisor notified:

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request			
Name of Project		Federal Agency Involved			
Proposed Land Use		County and State			
PART II (To be completed by NRCS)		Date Request Received By NRCS		Person Completing Form:	
Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input type="checkbox"/>	NO <input type="checkbox"/>	Acres Irrigated	Average Farm Size
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %		Amount of Farmland As Defined in FPPA Acres: %		
Name of Land Evaluation System Used	Name of State or Local Site Assessment System		Date Land Evaluation Returned by NRCS		
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly					
B. Total Acres To Be Converted Indirectly					
C. Total Acres In Site					
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide Important or Local Important Farmland					
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)					
PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		Maximum Points	Site A	Site B	Site C
1. Area In Non-urban Use		(15)			
2. Perimeter In Non-urban Use		(10)			
3. Percent Of Site Being Farmed		(20)			
4. Protection Provided By State and Local Government		(20)			
5. Distance From Urban Built-up Area		(15)			
6. Distance To Urban Support Services		(15)			
7. Size Of Present Farm Unit Compared To Average		(10)			
8. Creation Of Non-farmable Farmland		(10)			
9. Availability Of Farm Support Services		(5)			
10. On-Farm Investments		(20)			
11. Effects Of Conversion On Farm Support Services		(10)			
12. Compatibility With Existing Agricultural Use		(10)			
TOTAL SITE ASSESSMENT POINTS		160			
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100			
Total Site Assessment (From Part VI above or local site assessment)		160			
TOTAL POINTS (Total of above 2 lines)		260			
Site Selected:		Date Of Selection		Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>	
Reason For Selection:					
Name of Federal agency representative completing this form:					Date:

(See Instructions on reverse side)