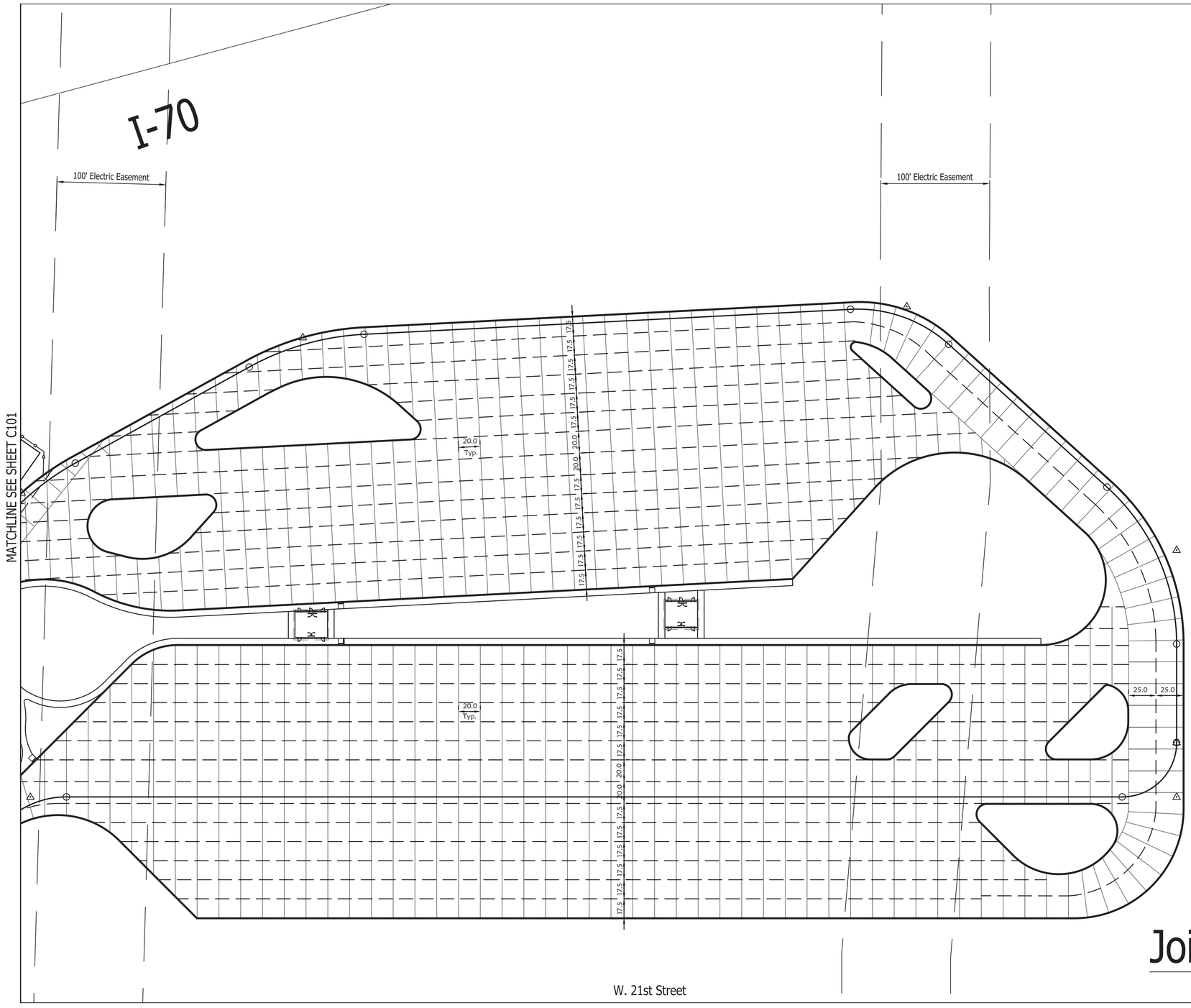


Joint Layout Plan

SCALE: 1" = 50'

50' 0 50' 100'

Certified by: Robert Gray

JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46235
Business (317) 954-0999 Fax (317) 899-0998

synthesis

RATIO
Landscape Architecture
30 W Monroe Street, Suite 500
Chicago, IL 60603
T: 312.465.2359
www.ratiodesign.com

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
CLEAR CREEK WELCOME CENTER
VIGO COUNTY, INDIANA

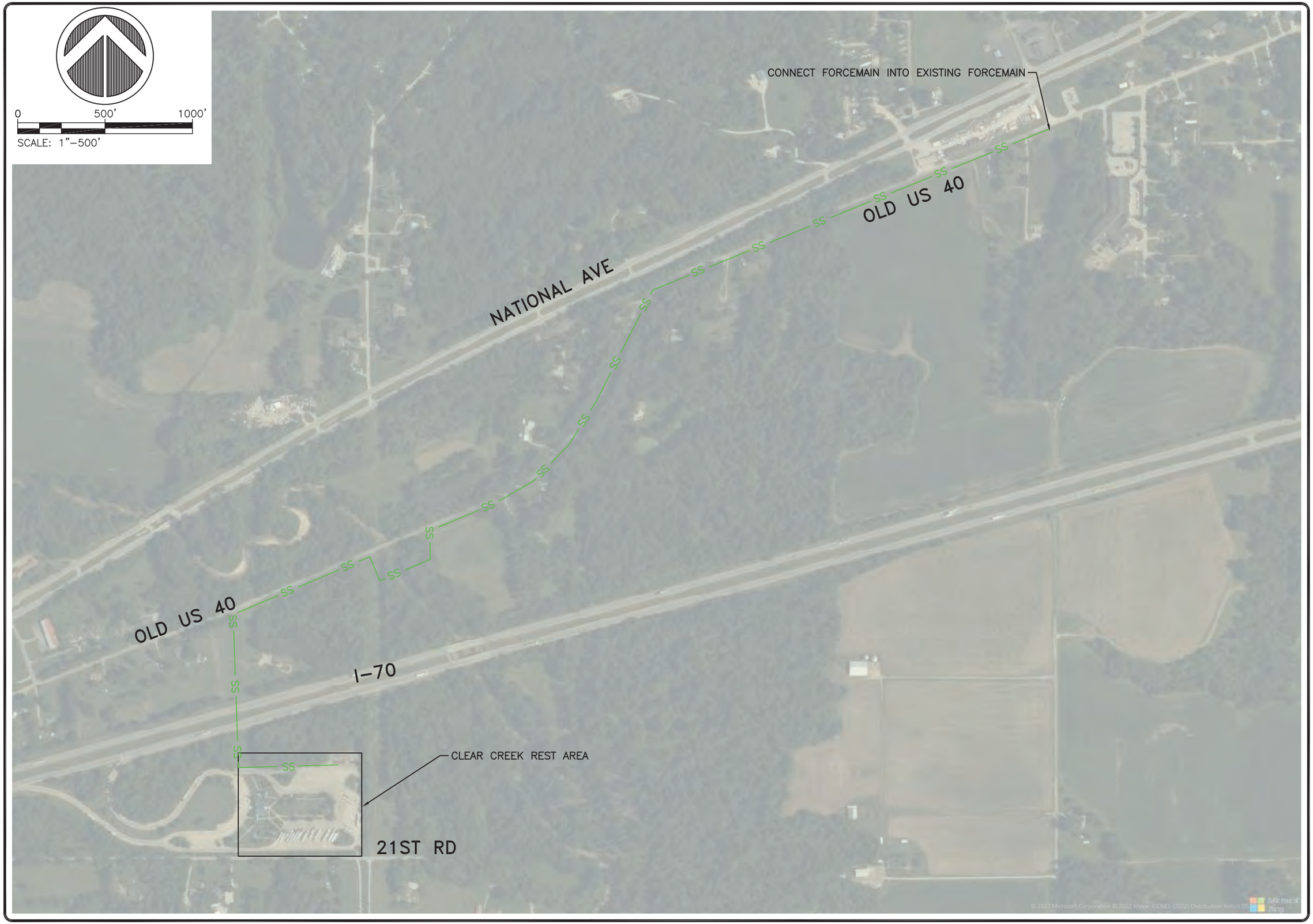
STATE OF INDIANA
DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS DIVISION
ROOM W467, INDIANA GOVERNMENT CENTER SOUTH
402 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA 46204
317-232-3000

Revisions:

Project Number: 84003001-22-058-C1
Requisition Number: -
Account Number: -
Designer: ENG
Drawing Date: MMMMM YYYY
Drafter: TEC
Drawing Scale: 1"=50'
DAPW Approval:
Client Approval:
Reference Number: 1364
Building Reference: -
Drawing Number: C801
Sheet: ---- of TBD

Last Saved By: mreed Printed: 9/9/22
P:\1364 - Clear Creek Welcome Center\DWGS\SITE SHEETS\EB WELCOME CENTER\1364-EB-C800 JOINT PLAN.dwg Aug 18, 2022-11:45:55 am

Appendix G: New Wastewater Pipe Alignment Schematic



BEAM·LONGEST·NEFF

CLEAR CREEK REST STOP

5494 W 21ST RD, WEST TERRE HAUTE, IN 47885

INDOT

100 N SENATE AVE, INDIANAPOLIS, IN 46204

WASTEWATER ALIGNMENT

DATE: 04/21/2022	CHECK: BAB
DESIGN: LMM	DRAWN: TBE
PROJECT NO. 220005	
SHEET NO. 1 OF 01	

TRIBUNE STAR
P.O. BOX 149
TERRE HAUTE IN 47808-0149
(812)231-4219
Fax (812)231-4347

ORDER CONFIRMATION

Salesperson: JENNIFER HENSLEY — Printed at 11/09/22 09:59 by pbowe

Acct #: 85875 — Ad #: 287874 — Status: New

METRIC ENVIRONMENTAL
6958 HILLSDALE COURT
INDIANAPOLIS IN 46250

Start: 11/07/2022 — Stop: 11/07/2022
Times Ord: 1 — Times Run: ***
LEG 1.00 X 95.00 — Words: 464
Total LEG 95.00
Class: 147 LEGALS
Rate: 6GLGE — Cost: 42.55
Affidavits: 1

Contact:
Phone: (317)400-1633
Fax#:
Email: rhondae@metricenv.com
Agency:

Ad Descrpt: PUBLIC NOTICE DES. NO. 19
Given by: *
P.O. #:
Created: jhen1 11/02/22 09:24
Last Changed: kwilk 11/02/22 16:13

PUB	ZONE	EDT	TP	RUN DATES
TSP	A	95	S	11/07
THOL	A	95	S	11/07

PAYMENTS:
-- 11/02/2022 42.55 V **********6913 634744[491390655]

AUTHORIZATION

Under this agreement rates are subject to change with 30 days notice. In the event of a cancellation before schedule completion, I understand that the rate charged will be based upon the rate for the number of insertions used.

Name (print or type) _____ Name (signature) _____

(CONTINUED ON NEXT PAGE)

TRIBUNE STAR
P.O. BOX 149
TERRE HAUTE IN 47808-0149
(812)231-4219
Fax (812)231-4347

ORDER CONFIRMATION (CONTINUED)

Salesperson: JENNIFER HENSLEY Printed at 11/09/22 09:59 by pbowe

Acct #: 85875 Ad #: 287874 Status: New

Public Notice
Des. No. 1902855

The Indiana Department of Transportation (INDOT) is planning to undertake an Interstate 70 (I-70)/Clear Creek Rest Area Project, funded in part by the Federal Highway Administration. The Clear Creek Rest Area is on eastbound I-70 at mile marker 2 between the Indiana State Line and Terre Haute, and it encompasses approximately forty-eight acres.

Under the preferred alternative, the undertaking involves demolishing and replacing the existing rest area building and to reconfigure the parking lots to increase truck parking spaces. Ancillary work items include new water and sewer line installations, reconstruction of entrance and exit ramps, utility work, and landscaping. Current wastewater treatment at the welcome center is carried out via a small package plant that discharges into a nearby stream. A new wastewater pipe will be installed for the welcome center to connect it to the municipal utility in Terre Haute, a distance of approximately 1.2 miles. The wastewater pipe will begin at the welcome center and travel north and east along Old US 40. A new submersible lift station will be installed along Old US 40; the connection point for the wastewater pipe to tie into the municipal system will be at Old US 40 and South Gorham Place, and will terminate at the intersection of Old US 40 and South Thorpe Place. Construction of the wastewater pipe will involve horizontal directional drilling along the roads that make up the route. No other permanent or temporary right-of-way will be needed for the undertaking.

The proposed action does not impact properties listed in or eligible for the National Register of Historic Places. The Indiana Department of Transportation (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 for inspection in Metric Environmental, LLC. Additionally, this documentation can be viewed electronically by accessing INDOT's Section 106 document posting website IN SCOPE at http://erms.indot.in.gov/Section106-Documents. 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 12/7/2022

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 Lauren Wilburn, INDOT Project Manager, at 317-233-4688 or LWilburn@indot.IN.gov.
287874-T/S-11/7/2022-hspaxlp

TRIBUNE STAR

287874

0 P.O. BOX 149
TERRE HAUTE, IN 47808

I hereby certify that the attached advertisement of PUBLIC NOTI in space of 80.66 lines was published in the TRIBUNE STAR On :

11/07/2022

Subscribed and sworn to before me this

9th day of November, 2022

Kimberly S Wilkerson

notary public

KIMBERLY S WILKERSON
Notary Public
Vigo County, State of Indiana
Commission Expires April 9, 2023

Public Notice
Des. No. 1902855

The Indiana Department of Transportation (INDOT) is planning to undertake an Interstate 70 (I-70)/Clear Creek Rest Area Project, funded in part by the Federal Highway Administration. The Clear Creek Rest Area is on eastbound I-70 at mile marker 2 between the Indiana State Line and Terre Haute, and it encompasses approximately forty-eight acres.

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Ad text : Public Notice
Des. No. 1902855

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Under the preferred alternative, the undertaking involves demolishing and replacing the existing rest area building and to reconfigure the parking lots to increase truck parking spaces. Ancillary work items include new water and sewer line installations, reconstruction of entrance and exit ramps, utility work, and landscaping. Current wastewater treatment at the welcome center is carried out via a small package plant that discharges into a nearby stream. A new wastewater pipe will be installed for the welcome center to connect it to the municipal utility in Terre Haute, a distance of approximately 1.2 miles. The wastewater pipe will begin at the welcome center and travel north and east along Old US 40. A new submersible lift station will be installed along Old US 40; the connection point for the wastewater pipe to tie into the municipal system will be at Old US 40 and South Gorham Place, and will terminate at the intersection of Old US 40 and South Thorpe Place. Construction of the wastewater pipe will involve horizontal directional drilling along the roads that make up the route. No other permanent or temporary right-of-way will be needed for the undertaking.

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287874-T/S-11/7/2022-hspaxlp

APPENDIX E:
Red Flag and Hazardous Materials

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: October 7, 2022

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: Colin Keith
Metric Environmental, LLC
6958 Hillsdale Court
Indianapolis, IN 46250
colink@metricenv.com

Re: RED FLAG INVESTIGATION
DES #1902855, State Project
Rest Area Modernization Project
I-70 Clear Creek Welcome Center
Vigo County, Indiana

PROJECT DESCRIPTION

Brief Description of Project: The project is located at a welcome center on I-70 in Vigo County southwest of Terre Haute. The welcome center is located at mile marker 1 along the eastbound side of the highway. The welcome center was built in 1992 and is in poor condition. Additionally, the existing parking areas do not provide sufficient capacity for current and projected traffic volumes. The preferred alternative is to demolish and replace the existing welcome center building and reconfigure the parking areas to increase the number of car and truck parking spaces. Current wastewater treatment at the welcome center is carried out via a small package plant that discharges into a nearby stream. A new wastewater pipe will be installed for the welcome center to connect it to the municipal utility in Terre Haute. The wastewater pipe will begin at the welcome center and travel north and east along Old US 40. A new submersible lift station will be installed along Old US 40; the connection point for the wastewater pipe to tie into the municipal system is being evaluated, with the most likely point being a mobile home park on Gorham Place and the alternate point being a lift station at Darwin Road. This RFI includes the route to Darwin Road in case that alternate ends up being selected. Construction of the wastewater pipe will involve horizontal directional drilling along the roads that make up the route. Utility easements will likely be needed along the roads as the apparent existing right-of-way does not extend beyond the edge of pavement. New right-of-way will also need to be purchased from land east of the welcome center to accommodate the parking area expansion. Waterway impacts are expected from the discharge pipe relocation and parking area expansion work.
Bridge Work Included in Project: Yes ☐ No ☒ Structure #(s) _____
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 _~10_, Not Applicable (N/A) ☐

Type and proposed depth of excavation: Excavation of up to eight feet below grade is anticipated for the sewer line and lift station installations, building construction, and grading.

Maintenance of traffic (MOT): No road closures are planned. Short-term lane closures may be required to place the boring equipment. In that event, traffic will be maintained with the use of flaggers. No lane closures will be required on I-70. The welcome center will be closed to traffic during construction.

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	**2**
Airports[1]	**N/A**	Pipelines	**2**
Cemeteries	**2**	Railroads	**N/A**
Hospitals	**N/A**	Trails	**1**
Schools	**4***	Managed Lands	**2**

[1]In 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) religious facility is located within the 0.5 mile search radius. Sugar Creek Baptist Church is approximately 0.07 mile north of the central portion of the project area. No impact is expected.

Cemeteries: Two (2) cemeteries are located within the 0.5 mile search radius. The nearest cemetery is Bennett Cemetery, approximately 0.34 mile northeast of the east end of the project area. No impact is expected.

Schools: Four (4) schools, three (3) mapped and one (1) unmapped, are located within the 0.5 mile search radius. Sugar Creek Consolidated Elementary School is south-adjacent to the central portion of the project area and Big Sprouts Pre-School is north-adjacent to the central portion of the project area. Coordination with Sugar Creek Consolidated Elementary School and Big Sprouts Pre-School will occur.

Recreational Facilities: Two (2) recreational facilities are located within the 0.5 mile search radius. Sugar Creek Consolidated Elementary School is south-adjacent to the central portion of the project area. Coordination with Sugar Creek Consolidated Elementary School will occur.

Pipelines: Two (2) pipeline segments are located within the 0.5 mile search radius. One (1) pipeline segment, Terre Haute Gas Corp., crosses and parallels the central and eastern portions of the project area. One (1) pipeline segment, Amoco Oil Company, is located approximately 0.04 mile from the west end of the exit to the rest area park. Coordination with INDOT Utilities and Railroads will occur.

Trails: One (1) trail segment is located within the 0.5 mile search radius. The West Terre Haute Levee Trail is approximately 0.29 mile northeast of the east end of the project area. No impact is expected.

Managed Lands: Two (2) managed lands are located within the 0.5 mile search radius. The nearest, the Wabashiki Fish and Wildlife Area, is approximately 0.18 mile east of the east end 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	**41**
Canal Structures – Historic	**N/A**	Lakes	**16**
NPS NRI Listed	**N/A**	Floodplain – DFIRM	**7**
NWI – Lines	**26**	Cave Entrance Density	**N/A**
IDEM 303d Listed Streams and Lakes (Impaired)	**2**	Sinkhole Areas	**N/A**
Rivers and Streams	**21**	Sinking-Stream Basins	**N/A**

Explanation:
NWI – Points: One (1) NWI point is located within the 0.5 mile search radius. The point is approximately 0.49 mile west/northwest of the west end of the project area. No impact is expected.

NWI – Lines: Twenty-six (26) NWI line segments are located within the 0.5 mile search radius. Four (4) line segments, all representing Clear Creek, flow through 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.

IDEM 303d Listed Streams and Lakes (Impaired): Two (2) 303d listed stream segments are located within the 0.5 mile search radius. Sugar Creek is approximately 0.24 mile northeast of the east end of the project area. Sugar Creek is listed as impaired for Impaired Biotic Communities (IBC). No impact is expected.

Rivers and Streams: Twenty-one (21) stream segments are located within the 0.5 mile search radius. Four (4) stream segments, representing Clear Creek and a potential unnamed tributary (UNT) to Clear Creek, flow through 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: Forty-one (41) wetland polygons are located within the 0.5 mile search radius. Five (5) wetlands are 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: Sixteen (16) lakes are located within the 0.5 mile search radius. The nearest lake is approximately 0.01 mile south of the west end of the project area. No impact is expected.

Floodplain – DFIRM: Seven (7) floodplain polygons are located within the 0.5 mile search radius. Portions of the project area are located within two (2) of the 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	**N/A**	Mineral Resources	**N/A**
Mines – Surface	**N/A**	Mines – Underground	**12**

Explanation:
Mines – Underground: Twelve (12) underground mine polygons are located within the 0.5 mile search radius. Four (4) of the polygons, all representing former coal mines that are no longer in operation, are within or adjacent to the project area. Coordination with IDNR Reclamation Division will occur.

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	**1**
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	**N/A**	Confined Feeding Operations (CFO)	**N/A**
Voluntary Remediation Program	**N/A**	Brownfields	**1**
Construction Demolition Waste	**N/A**	Institutional Controls	**N/A**
Solid Waste Landfill	**N/A**	NPDES Facilities	**7**
Infectious/Medical Waste Sites	**N/A**	NPDES Pipe Locations	**1**
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:
Unknown Program*: One (1) site in an unknown program is located within the 0.5 mile search radius. West Side Salvage, 3151 Old US Hwy. 40, Agency Interest (AI) #57857, is adjacent south of the project area on the west side of Darwin Road between 9th Drive and Old US 40. The site, an apparent salvage yard, is not listed in the GIS layer and was visually identified from aerial photography. Although the site was assigned an AI number, no files are available in the VFC. If the Darwin Road alternative is selected, a Phase II Environmental Site Assessment is recommended to occur before RFC. Prior to any investigation activities, a scope of work plan will be prepared and submitted to INDOT SAM for review and approval.

Open Dump Waste Sites: One (1) open dump site is located within the 0.5 mile search radius. Jeffrey Bell Construction & Excavating, 2850 Old US Hwy. 40, AI #57142, is approximately 0.35 mile east/northeast of the east end of the project area. No impact is expected.

Brownfields: One (1) Brownfields site is located within the 0.5 mile search radius. Powers Property, 603 S. Hovey Pl., AI #103663, is approximately 0.05 mile northeast of the east end of the project area. The IDEM Brownfields Program provided an eligibility letter to an economic development agency in December 2011. The eligibility letter noted that although the current use of the site was exclusively residential, a small auto repair business had been operated out of a detached garage from circa 1975 until 1994. No record of contamination, petroleum storage, or on-site disposal from this historic use was found in IDEM's review of information. IDEM determined that the economic development agency was eligible to use Brownfield funding to aid in redevelopment of the property. No action was ever taken. If the Darwin Road alternative is selected, a Phase II Environmental Site Assessment is recommended to occur before RFC. Prior to any investigation activities, a scope of work plan will be prepared and submitted to INDOT SAM for review and approval.

NPDES Facilities: Seven (7) NPDES facilities are located within the 0.5 mile search radius. Three (3) facilities are within or adjacent to the project area.

- Clear Creek Welcome Center, I-70 MM 1, Permit #IN0056154, is located in the welcome center portion of the project area. The listing is for the package treatment plant at the welcome center, with an effective permit that expires July 31, 2027. Coordination with INDOT will occur.
- INDOT DES #0400537, 0400538, 0400541, 0400542 Bridge Rehabilitations Along 1-70 over Clear Creek, I-70 & Clear Creek, Permit #INR10H250, located immediately north of the welcome center portion of the project area. Construction stormwater permit for bridge rehabilitation projects; permit is terminated, with an expiration date of September 16, 2018. No impact is expected.
- 40 West Mobile Home Park, RR 15 Box 32, Permit #IN0048445, located within the central portion of the project area. IDEM issued a voidance of the permit in a letter on March 3, 1995, when the facility connected to the municipal sewer. No impact is expected.

NPDES Pipe Locations: One (1) NPDES pipe is located within the 0.5 mile search radius. Clear Creek Welcome Center, NPDES #IN0056154, is an outfall pipe to Clear Creek from the package treatment plant at the welcome center. Coordination with INDOT will occur.

ECOLOGICAL INFORMATION SUMMARY

The Vigo 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_vigo.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 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:
Schools: Sugar Creek Consolidated Elementary School is south-adjacent to the central portion of the project area and Big Sprouts Pre-School is north-adjacent to the central portion of the project area. Coordination with Sugar Creek Consolidated Elementary School and Big Sprouts Pre-School will occur.

Recreational Facilities: Sugar Creek Consolidated Elementary School is south-adjacent to the central portion of the project area. Coordination with Sugar Creek Consolidated Elementary School will occur.

Pipelines: One (1) pipeline segment, Terre Haute Gas Corp., crosses and parallels the central and eastern portions of the project area. One (1) pipeline segment, Amoco Oil Company, is located approximately 0.04 mile from the west end of the exit to the rest area park. Coordination with INDOT Utilities and Railroads 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:

- Four (4) NWI line segments, all representing Clear Creek, flow through the project area.
- Four (4) stream segments, representing Clear Creek and a potential UNT to Clear Creek, flow through the project area.
- Five (5) NWI wetland polygons are located within the project area.
- Portions of the project area are located within two (2) floodplain polygons (coordination only).

MINING/MINERAL EXPLORATION:
Mines – Underground: Four (4) underground mine polygons, all representing former coal mines that are no longer in operation, are within or adjacent to the project area. Coordination with IDNR Reclamation Division will occur.

HAZARDOUS MATERIAL CONCERNS:
Unknown Program: West Side Salvage, 3151 Old US Hwy. 40, AI #57857, is adjacent south of the project area on the west side of Darwin Road between 9th Drive and Old US 40. The site, an apparent salvage yard, is not listed in the GIS layer and was visually identified from aerial photography. Although the site was assigned an AI number, no files are available in the VFC. If the Darwin Road alternative is selected, a Phase II Environmental Site Assessment is recommended to occur before RFC. Prior to any investigation activities, a scope of work plan will be prepared and submitted to INDOT SAM for review and approval.

Brownfields: Powers Property, 603 S. Hovey Pl., AI #103663, is approximately 0.05 mile northeast of the east end of the project area. The IDEM Brownfields Program provided an eligibility letter to an economic development agency in December 2011. The eligibility letter noted that although the current use of the site was exclusively residential, a small auto repair business had been operated out of a detached garage from circa 1975 until 1994. No record of contamination, petroleum storage, or on-site disposal from this historic use was found in IDEM's review of information. IDEM determined that the economic development agency was eligible to use Brownfield funding to aid in the redevelopment of the property. No action was ever taken. If the Darwin Road alternative is selected, a Phase II Environmental Site Assessment is recommended to occur before RFC. Prior to any investigation activities, a scope of work plan will be prepared and submitted to INDOT SAM for review and approval.

NPDES Facilities: Clear Creek Welcome Center, I-70 MM 1, Permit #IN0056154, is located in the welcome center portion of the project area. The listing is for the package treatment plant at the welcome center, with an effective permit that expires July 31, 2027. Coordination with INDOT will occur.

NPDES Pipe Locations: Clear Creek Welcome Center, NPDES #IN0056154, is an outfall pipe to Clear Creek from the package treatment plant at the welcome center. Coordination with INDOT will occur.

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: Chad Pitcher, CHMM Digitally signed by Chad Pitcher, CHMM Date: 2022.10.07 13:45:35 -04'00' (Signature)

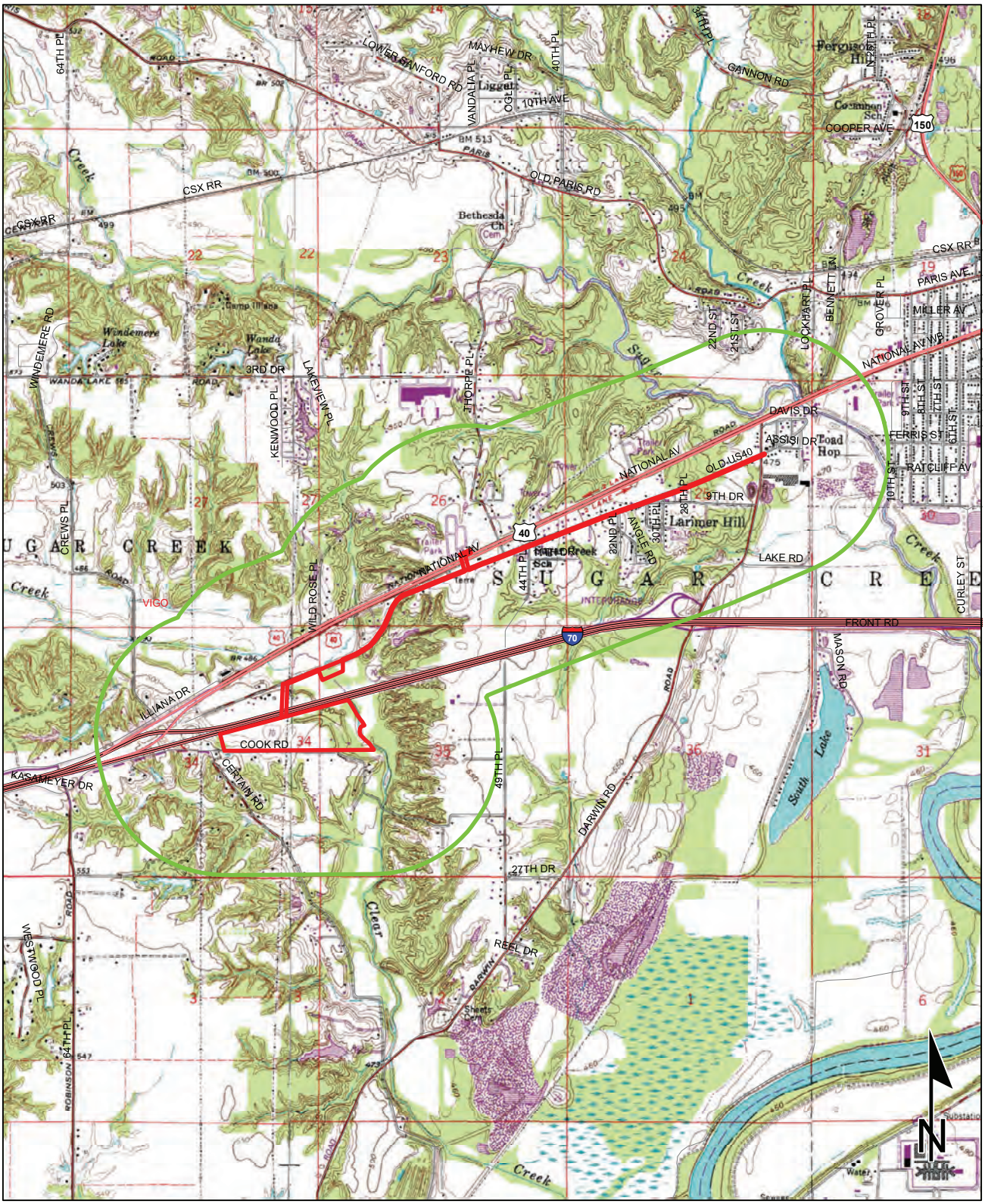
Prepared by:
Colin Keith
Project Scientist
Metric Environmental, LLC

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
I-70 Clear Creek Welcome Center
Des. No. 1902855, Rest Area Modernization
Vigo County, Indiana



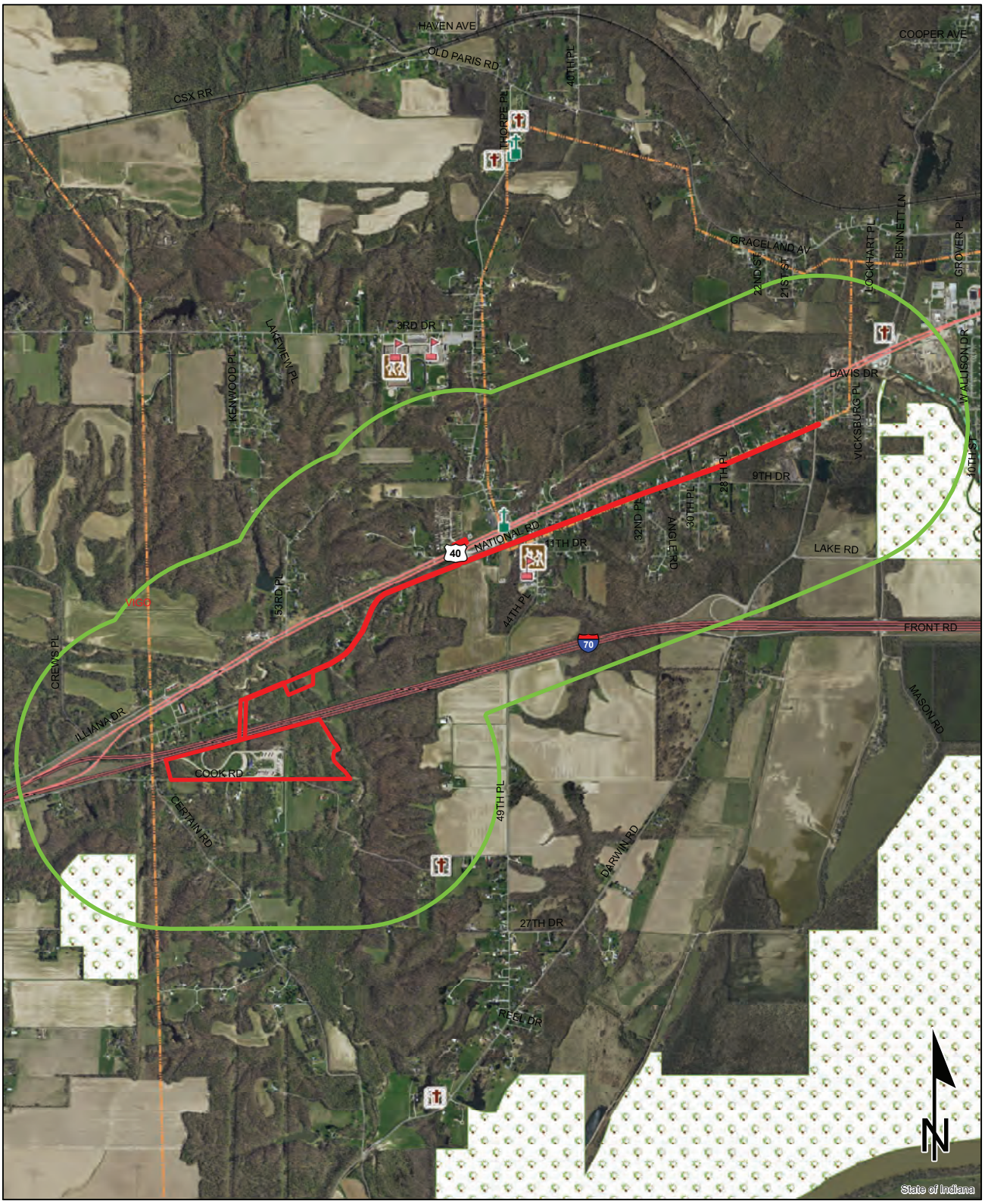
0.5 0.25 0 0.5 Miles

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

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

TERRE HAUTE AND DENNISON
QUADRANGLES
INDIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)

Red Flag Investigation - Infrastructure
I-70 Clear Creek Welcome Center
Des. No. 1902855, Rest Area Modernization
Vigo County, Indiana



0.4 0.2 0 0.4 Miles

Sources:

Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library

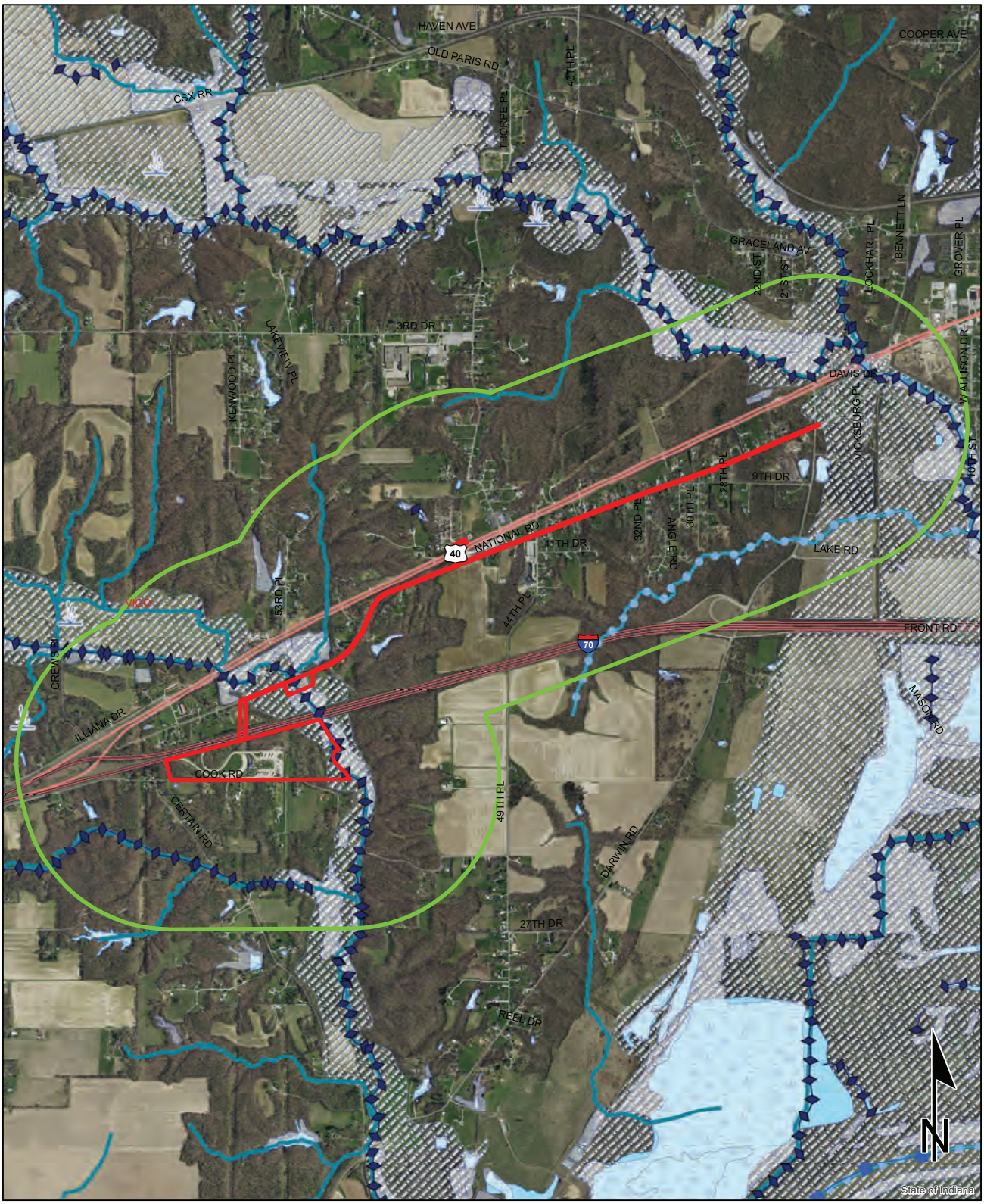
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)

Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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

Red Flag Investigation - Water Resources
I-70 Clear Creek Welcome Center
Des. No. 1902855, Rest Area Modernization
Vigo County, Indiana



0.4 0.2 0 0.4 Miles

Sources:

Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library

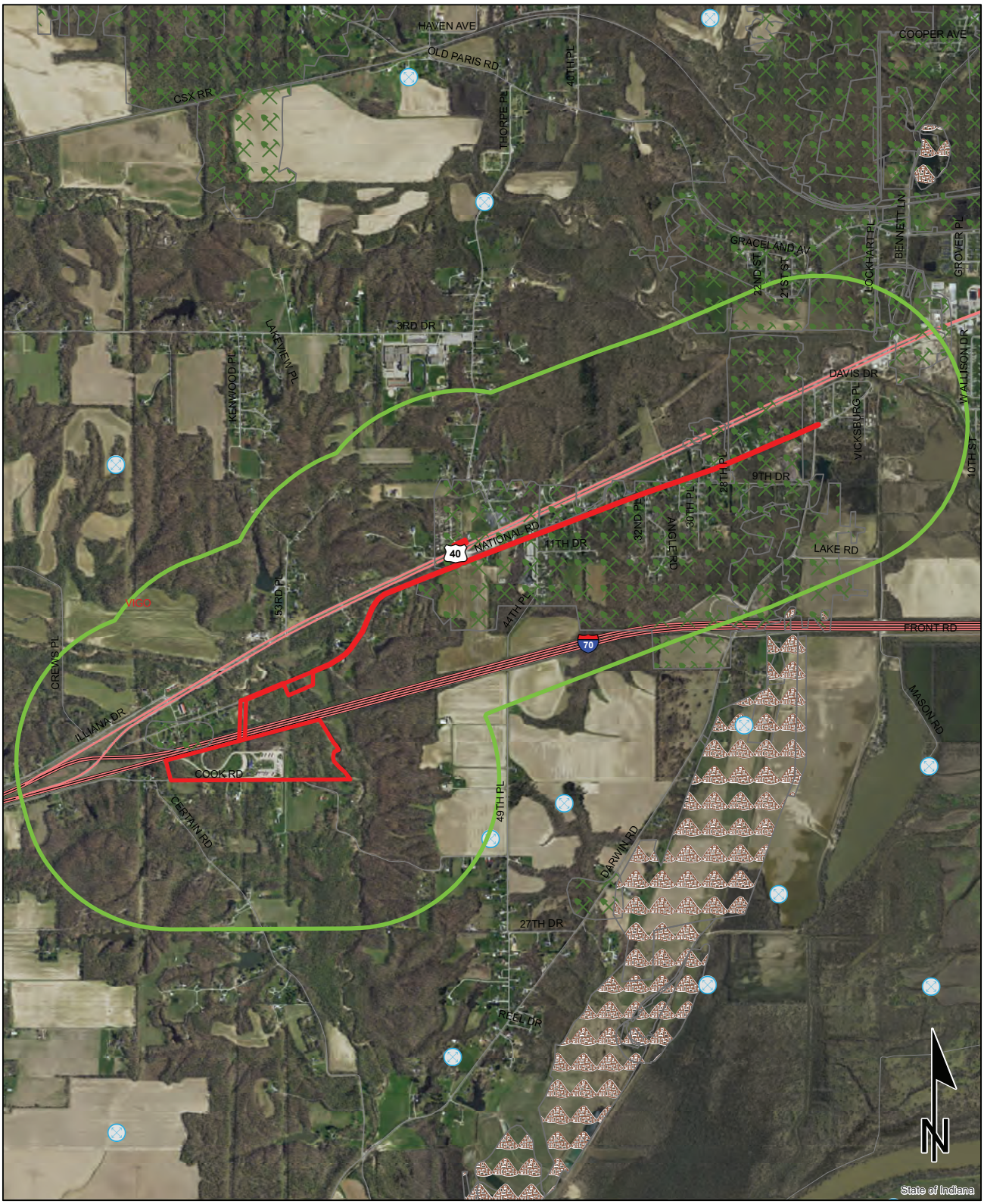
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)

Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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

- NWI - Point
- Karst Spring
- NWI- Line
- Impaired_Stream_Lake
- NPS NRI listed
- River
- Canal Structure - Historic
- Canal Route - Historic
- Wetlands
- Lake
- Floodplain - DFIRM
- Cave Entrance Density
- Sinkhole Area
- Sinking-Stream Basin
- County Boundary
- Project Area
- Half Mile Radius
- Toll
- Interstate
- State Route
- US Route
- Local Road

Red Flag Investigation - Mining and Mineral Exploration
I-70 Clear Creek Welcome Center
Des. No. 1902855, Rest Area Modernization
Vigo County, Indiana



0.4 0.2 0 0.4 Miles

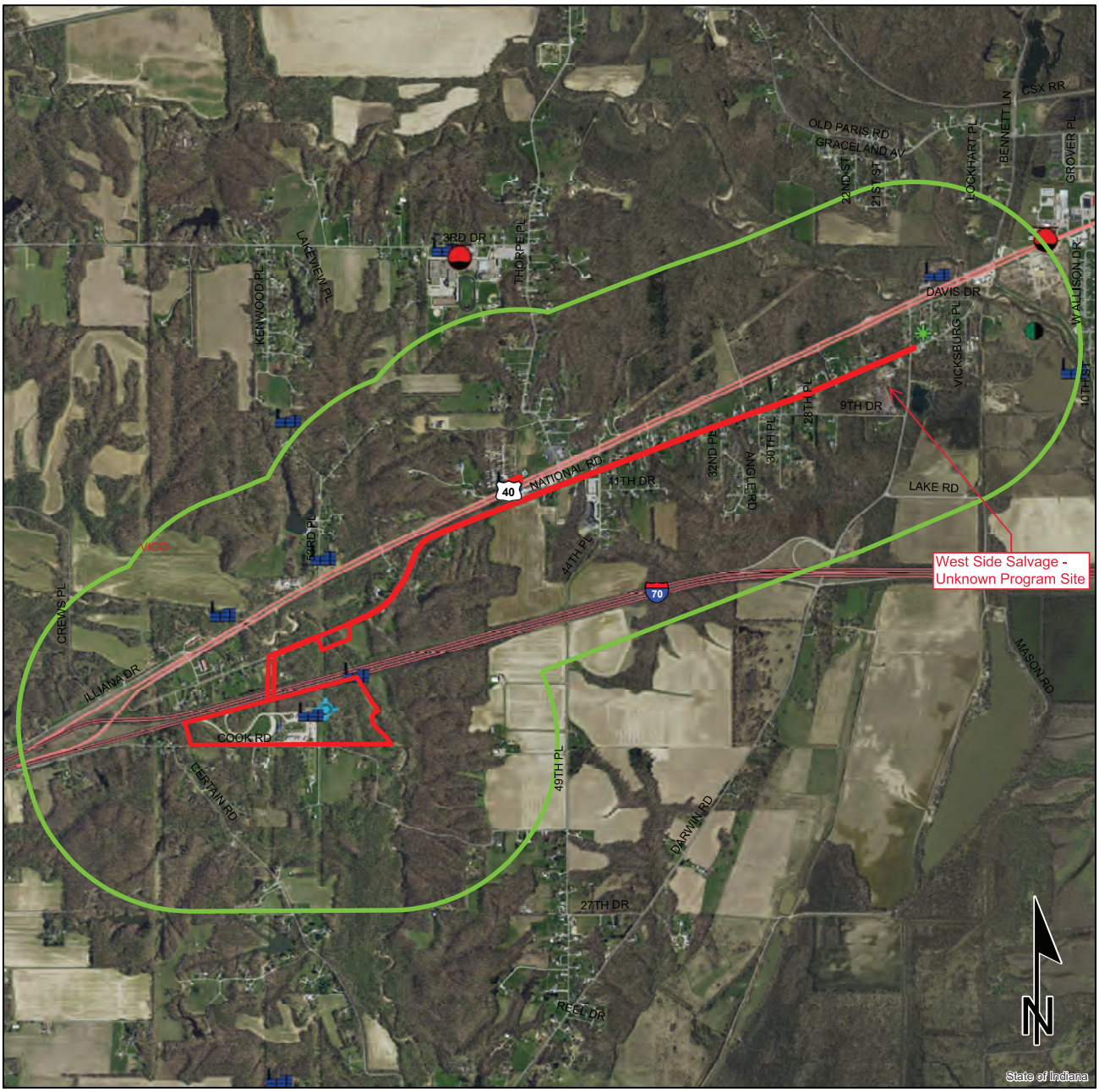
Sources:

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

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

- Oil and Gas Wells
- Mineral Resources
- Mine - Surface
- Mine - Underground
- County Boundary
- Project Area
- Half Mile Radius
- Toll
- Interstate
- State Route
- US Route
- Local Road

Red Flag Investigation - Hazardous Material Concerns
I-70 Clear Creek Welcome Center
Des. No. 1902855, Rest Area Modernization
Vigo County, Indiana



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

0.4 0.2 0 0.4 Miles

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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

Indiana County Endangered, Threatened and Rare Species List

County: Vigo

DNR Indiana Department of Natural Resources

Species Name	Common Name	FED	STATE	GRANK	SRANK
Crustacean: Malacostraca					
Caecidotea dunlaporum	Dunlap's groundwater isopod			GNR	SNR
Mollusk: Bivalvia (Mussels)					
Cyprogenia stegaria	Eastern Fanshell Pearlymussel	E	SE	G1	S1
Epioblasma flexuosa	Leafshell		SX	GX	SX
Epioblasma propinqua	Tennessee Riffleshell		SX	GX	SX
Epioblasma rangiana	northern riffleshell	E	SE	G1	S1
Epioblasma sampsonii	Wabash Riffleshell		SX	GX	SX
Epioblasma torulosa	Tubercled Blossom	DL	SX	GX	SX
Fusconaia subrotunda	Longsolid	PT	SX	G3	SX
Lampsilis abrupta	pink mucket	E	SX	G1G2	SX
Lampsilis ovata	pocketbook		SSC	G5	S2
Leptodea leptodon	Scaleshell	E	SX	G1G2	SX
Ligumia recta	black sandshell		SSC	G4G5	S2
Obovaria retusa	Ring Pink	E	SX	G1	SX
Obovaria subrotunda	round hickorynut	PT	SE	G4	S1
Plethobasus cicatricosus	White Wartyback	E	SX	G1	SX
Plethobasus cyphyus	Sheepnose	E	SE	G3	S1
Pleurobema clava	Clubshell	E	SE	G1G2	S1
Pleurobema cordatum	Ohio Pigtoe		SSC	G4	S2
Pleurobema plenum	Rough Pigtoe	E	SE	G1	S1
Pleurobema rubrum	Pyramid Pigtoe		SX	G2G3	SX
Ptychobranchus fasciolaris	Kidneyshell		SSC	G4G5	S2
Theliderma cylindrica	Rabbitsfoot	T	SE	G3G4	S1
Insect: Hymenoptera					
Bombus affinis	Rusty-patched Bumble Bee	E	SE	G2	S1
Fish					
Acipenser fulvescens	Lake Sturgeon		SE	G3G4	S1
Moxostoma valenciennesi	Greater Redhorse		SE	G4	S2
Amphibian					
Acris blanchardi	Blanchard's cricket frog		SSC	G5	S4
Cryptobranchus alleganiensis alleganiensis	hellbender	C	SE	G3T2	S1
Lithobates areolatus circulosus	northern crawfish frog		SE	G4T4	S2
Lithobates blairi	plains leopard frog		SE	G5	S2
Necturus maculosus	common mudpuppy		SSC	G5	S3
Reptile					
Clonophis kirtlandii	Kirtland's snake		SE	G2	S3
Kinosternon subrubrum subrubrum	eastern mud turtle		SE	G5T5	S1
Terrapene carolina carolina	woodland box turtle		SSC	G5T5	S3

Indiana Natural Heritage Data Center
Division of Nature Preserves
Indiana Department of Natural Resources
This data is not the result of comprehensive county surveys.

Fed: E = Endangered; T = Threatened; C = candidate; PDL = proposed for delisting
State: SE = state endangered; ST = state threatened; SR = state rare; SSC = state species of special concern; SX = state extirpated; SG = state significant
GRANK: Global Heritage Rank: G1 = critically imperiled globally; G2 = imperiled globally; G3 = rare or uncommon globally; G4 = widespread and abundant globally but with long-term concerns; G5 = widespread and abundant globally; G? = unranked; GX = extinct; Q = uncertain rank; T = taxonomic subunit rank
SRANK: State Heritage Rank: S1 = critically imperiled in state; S2 = imperiled in state; S3 = rare or uncommon in state; S4 = widespread and abundant in state but with long-term concern; SG = state significant; SH = historical in state; SX = state extirpated; B = breeding status; S? = unranked; SNR = unranked; SNA = nonbreeding status unranked

Indiana County Endangered, Threatened and Rare Species List

County: Vigo

DNR Indiana Department of Natural Resources

Species Name	Common Name	FED	STATE	GRANK	SRANK
Bird					
Accipiter striatus	Sharp-shinned Hawk		SSC	G5	S2B
Bartramia longicauda	Upland Sandpiper		SE	G5	S3B
Botaurus lentiginosus	American Bittern		SE	G5	S2B
Centronyx henslowii	Henslow's sparrow		SE	G4	S3B
Circus hudsonius	Northern Harrier		SE	G5	S2
Cistothorus palustris	marsh wren		SE	G5	S3B
Falco peregrinus	Peregrine Falcon		SSC	G4	S2B
Haliaeetus leucocephalus	bald eagle			G5	S3
Ixobrychus exilis	Least Bittern		SE	G4G5	S3B
Lanius ludovicianus	loggerhead shrike		SE	G4	S2B
Lophodytes cucullatus	Hooded Merganser			G5	S2S3B
Nyctanassa violacea	Yellow-crowned Night-heron		SE	G5	S2B
Tyto alba	Barn Owl		SE	G5	S2
Mammal					
Lasiurus borealis	Eastern red bat		SSC	G3G4	S4
Mustela nivalis	Least Weasel		SSC	G5	S2?
Myotis lucifugus	little brown myotis	C	SE	G3G4	S2
Myotis septentrionalis	Northern Long Eared Bat	T	SE	G2G3	S2S3
Myotis sodalis	Indiana Bat	E	SE	G2	S1
Nycticeius humeralis	Evening Bat		SE	G5	S1
Perimyotis subflavus	Tricolored Bat		SE	G3G4	S2S3
Taxidea taxus	American Badger		SSC	G5	S2
Vascular Plant					
Anemone caroliniana	Carolina anemone		SX	G5	SX
Carex conoidea	prairie gray sedge		ST	G5	S2
Carex gravida	heavy sedge		SE	G5	S1
Cuscuta cuspidata	cusp dodder		SE	G5	S1
Didiplis diandra	water-purslane		SE	G5	S1
Echinodorus berteroi	tall bur-head		SE	G5	S1
Gaura filipes	slender-stalked gaura		SE	G5	S2
Hymenopappus scabiosaeus	Carolina woollywhite		SE	G4G5	S1
Liatris pycnostachya	cattail gay-feather		SE	G5	S1
Lithospermum incisum	narrow-leaved puccoon		SE	G5	S1
Lithospermum parviflorum	shaggy false-gromwell		SE	G4G5T4	S1
Rorippa aquatica	lake cress		SE	G4?	S1
Sanguisorba canadensis	Canada burnet		SE	G5	S1
Silene regia	royal catchfly		SE	G3	S1
Trautvetteria caroliniensis	Carolina tassel-rue		SX	G5	SX
Trifolium reflexum var. glabrum	buffalo clover		SE	G3G4T2T4Q	S1

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Indiana County Endangered, Threatened and Rare Species List

County: Vigo

Indiana Department of Natural Resources

Species Name	Common Name	FED	STATE	GRANK	SRANK
High Quality Natural Community					
Barrens - sand	Sand Barrens		SG	G3	S2
Forest - floodplain wet	Wet Floodplain Forest		SG	G3?	S3
Forest - upland dry-mesic Southwestern Lowlands	Southwestern Lowlands Dry-mesic Upland Forest		SG	GNR	S1
Forest - upland mesic Southwestern Lowlands	Southwestern Lowlands Mesic Upland Forest		SG	GNR	S1
Wetland - marsh	Marsh		SG	GU	S4
Wetland - swamp forest	Forested Swamp		SG	G2?	S2
Wetland - swamp shrub	Shrub Swamp		SG	GU	S2
Other Significant Feature					
Freshwater Mussel Concentration Area	Mussel Bed		SG	G3	SNR

Indiana Natural Heritage Data Center
Division of Nature Preserves
Indiana Department of Natural Resources
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GRANK: Global Heritage Rank: G1 = critically imperiled globally; G2 = imperiled globally; G3 = rare or uncommon globally; G4 = widespread and abundant globally but with long-term concerns; G5 = widespread and abundant globally; G? = unranked; GX = extinct; Q = uncertain rank; T = taxonomic subunit rank
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APPENDIX F:
Water Resources

APPROVED
Justus McGill
9/22/22

WATERS OF THE U.S. DETERMINATION REPORT
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Prepared By: April Pape, Metric Environmental, LLC
August 31, 2022

Date of Waters Field Investigation: April 25, 2022

Location:
12-Digit HUC Watershed: 051201110902, (South Lake – Clear Creek) (**Exhibit 1**)
Sections 34 & 35; Township 12 North; Range 10 West
Terre Haute & Dennison, IN 7.5 minute USGS Topographic Quadrangles (**Exhibit 2**)
Sugar Creek Township, Vigo County, Indiana
Latitude: 39.44221 Longitude: -87.50011

Project Description:
The proposed project (Des. 1902855) includes reconfiguration and reconstruction of the Clear Creek Welcome Center along eastbound I-70 in Sugar Creek Township, Vigo County, Indiana. The investigated area (IA) was developed based on the proposed improvements and the boundaries of the legal parcel. In addition to the IA developed for the Welcome Center, a corridor was created to run utilities to the updated Welcome Center. Since delineated features within this corridor are intended to be avoided, full waters documentation was not required. However, a brief memo and maps of these features have been provided as **Appendix A**.

FEMA Flood Insurance Rate Map (FIRM) and Indiana Department of Natural Resources (IDNR) Floodway:
One mapped floodplain is located within the IA. This floodplain was identified as Zone A, an area subject to inundation by the 1 percent annual chance of flood. This floodplain was associated with Clear Creek. The FIRM map for this area is provided as **Exhibit 3**. According to the *IDNR Floodway Information Portal* on May 4, 2022, an Indiana Dept. of Natural Resources (IDNR) Floodway was also present within the IA. This floodway was associated with Clear Creek. The IDNR floodway map for this area is provided as **Exhibit 3**.

National Wetlands Inventory (NWI) Information:
One mapped NWI polygon is located within the IA, listed in **Table 1** below. This PFO1A wetland continues east outside the IA. The NWI map is provided as **Exhibit 4**.

Table 1: NWI Summary Table

Symbol	Wetland Type	Location Within IA	Corresponding Feature
PFO1A	Palustrine, Forested, Broad-Leaved Deciduous, Temporarily Flooded	Northeast	Wetland A

Karst Feature Information:
No mapped karst features were found within 0.5 mi. of the IA during the desktop review.

USGS National Hydrography Dataset (NHD) Information:
Three mapped NHD flowlines are located within the IA, listed by occurrence from west to east within the IA in **Table 2** below. The NHD map is provided in **Exhibit 5**.

Table 2: NHD Summary Table

Corresponding Feature (field verified)	NHD Flowline Classification (FCode)	Photo Nos.	USGS Blue-line
CV 1, CV 4, CV 6	Stream/River (46000)	17, 33, 35, 41	No
UNT 1 to Clear Creek	Canal/Ditch (33600)	44-51	No
UNT 3 to Clear Creek	Stream/River (46000)	67-69	No

Soils:
According to the Natural Resources Conservation Service (NRCS) Soil Survey Geographic (SSURGO) Database for Vigo County, Indiana, the IA contained nine mapped soil units, listed in **Table 3** below. The NRCS soil survey map is provided as **Exhibit 4**.

Table 3: NRCS Soil Summary Table

Soil Unit Symbol	Soil Unit Name	Hydric Soil Category	SSURGO Hydric Rating
AlC2	Alford silt loam, 5 to 10 percent slopes, eroded	Nonhydric	0%
Bp	Borrow pits	Nonhydric	0%
CaB	Camden silt loam, 2 to 6 percent slopes	Nonhydric	0%
Ee	Eel silt loam, 0 to 2 percent slopes, frequently flooded	Predominantly Nonhydric	5%
Ge	Genesee silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Nonhydric	0%
HkF	Hickory loam, 25 to 40 percent slopes	Nonhydric	0%
MuB2	Muren silt loam, 2 to 6 percent slopes, eroded	Predominantly Nonhydric	3%
PaD2	Parke silt loam, 12 to 18 percent slopes, eroded	Nonhydric	0%
Wx	Whitaker loam	Predominantly Nonhydric	3%

Attached Documents:
Maps of the investigated area (**Exhibits 1-5**)
Photo Location Map (**Exhibit 6**)
Site Photographs
Wetland Determination Data Form(s)
Preliminary Jurisdictional Determination Form
Delineated features within Utility Corridor – no impacts expected (**Appendix A**)

Field Reconnaissance:
The wetland determination field visit was conducted on April 25, 2022 by Zachary Root, April Pape, and Kristina Zuniga of Metric Environmental, LLC. The IA consists of the area that has the potential to be impacted, based on the provided design scenario. This area was evaluated for the presence of wetlands and Waters of the United States. This investigation was conducted in accordance with the *1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual* and the *August 2010 Midwest Regional Supplement (Version 2.0) Manual.*

A Location Map showing the investigated area location is provided as **Exhibit 1**. The proposed project is located in the western portion of Vigo County, Indiana, on I-70 approximately 1.4 mi. from the Illinois border. The IA includes the rest area and welcome center parcel, as well an a parcel adjoining it to the east, for a total of approximately 42 acres. An aerial map of sampling points and water features is provided as **Exhibit 5**. A photo location map is provided as **Exhibit 6** and site photographs are attached.

Streams:

Six streams were observed within the IA during the field reconnaissance. Descriptions of the streams are provided in **Table 4** below.

Table 4: Stream Summary Table

Stream Name	Photos	Lat/Long	OHWM Width	OHWM Depth	USGS Blue-line	Riffles or Pools	Dominant Substrate	Quality	Stream Length within IA	Likely Water of the U.S.
			ft.	ft.					ft.	
UNT 1 to Clear Creek	44-51	39.443145 -87.499327	7.5	0.67	No (Intermittent)	No	Sand, Silt	Poor	2006	Yes
UNT 2 to Clear Creek	58-62	39.443176 -87.496453	5	0.25	No (Ephemeral)	No	Sand, Silt	Poor	412	Yes
UNT 3 to Clear Creek	67-69	39.442166 -87.495885	1.5	0.17	No (Ephemeral)	No	Silt	Poor	52	Yes
UNT 4 to Clear Creek	68, 70-73, 75	39.442903 -87.497851	3.33	0.25	No (Intermittent)	Riffles & Pools	Sand, Gravel	Average	1650	Yes
UNT 5 to Clear Creek	82-85	39.441118 -87.496703	2.25	0.17	No (Ephemeral)	No	Sand, silt	Poor	227	Yes
UNT 6 to Clear Creek	21-23	39.441344 -87.503231	2	0.17	No (Ephemeral)	No	Sand, silt	Poor	315	Yes

UNT 1 to Clear Creek (2006 LFT)

UNT 1 to Clear Creek flows southwest to northeast through the IA and extends outside the limits to the east. UNT 1 to Clear Creek is approximately 2006 linear feet (LFT) (0.345 ac.) long within the IA. UNT 1 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. However, the high level of flow and the presence of cut banks indicate that the stream is likely intermittent. UNT 1 to Clear Creek was not classified by the NWI, but it can be classified as Riverine, Intermittent, Streambed, Seasonally Flooded (R4SBC). The ordinary high water mark (OHWM) was 7.5 ft. wide and 0.67 ft. (8 in.) deep within the investigated area. Measurements of the OHWM were taken at 39.442901, -87.050355. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included undercut banks. Low sinuosity and moderate current velocity were observed. Streambanks exhibited severe erosion and the riparian area was composed of deciduous forest south of the stream and roadside ROW north of the stream. No wildlife was observed within the stream during the field reconnaissance.

Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii,* UPL) and tall false rye grass (*Schedonorus arundinaceus,* FACU). According to USGS *Indiana StreamStats* on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 1 to Clear Creek being classified as poor quality. UNT 1 to Clear Creek Creek flows northeast to Clear Creek, which flows into Wabash River, a traditionally navigable waterway (TNW). Therefore, UNT 1 to Clear Creek should be considered a jurisdictional Water of the U.S.

UNT 2 to Clear Creek (412 LFT)

UNT 2 to Clear Creek flows southwest to northeast through the IA and extends outside the limits to the east. UNT 2 to Clear Creek is approximately 412 LFT (0.047 ac.) long within the IA. UNT 2 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit. UNT 2 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The ordinary high water mark (OHWM) was 5 ft. wide and 0.25 ft. (3 in.) deep within the investigated area. Measurements of the OHWM were taken at 39.443293, -87.496011. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included undercut banks. Moderate sinuosity and moderate current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included creeping buttercup (*Ranunculus repens,* FAC) and Ohio buckeye (*Aesculus glabra,* FAC). According to USGS *Indiana StreamStats* on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 2 to Clear Creek being classified as poor quality. UNT 2 to Clear Creek Creek flows east to Clear Creek, which flows into Wabash River, a traditionally navigable waterway (TNW). Therefore, UNT 2 to Clear Creek should be considered a jurisdictional Water of the U.S.

UNT 3 to Clear Creek (52 LFT)

UNT 3 to Clear Creek flows southwest to northeast through the IA and extends outside the limits to the east. UNT 3 to Clear Creek is approximately 52 LFT (0.002 ac.) long within the IA. UNT 3 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit UNT 3 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The ordinary high water mark (OHWM) was 1.5 ft. wide and 0.17 ft. (2 in.) deep within the investigated area. Measurements of the OHWM were taken at 39.442166, -87.495887. The dominant stream substrate was silt. No functional riffles or pools were observed

within the stream. Limited amounts of instream cover were observed and included woody debris. Low sinuosity and low current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii,* UPL) and creeping buttercup (*Ranunculus repens,* FAC). According to USGS *Indiana StreamStats* on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 3 to Clear Creek being classified as poor quality. UNT 3 to Clear Creek Creek flows east to Clear Creek, which flows into Wabash River, a traditionally navigable waterway (TNW). Therefore, UNT 3 to Clear Creek should be considered a jurisdictional Water of the U.S.

UNT 4 to Clear Creek (1650 LFT)

UNT 4 to Clear Creek flows west to east through the IA and extends outside the limits to the east. UNT 4 to Clear Creek is approximately 1650 LFT (0.126 ac.) long within the IA. UNT 4 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. However, the level of flow and the presence of cut banks indicate that the stream is likely intermittent. UNT 4 to Clear Creek was not classified by the NWI, but it can be classified as an R4SBC stream. The ordinary high water mark (OHWM) was 3.33 ft. wide and 0.25 ft. (3 in.) deep within the investigated area. Measurements of the OHWM were taken at 39.442887, -87.497585. The dominant stream substrate was sand and gravel. Functional riffles and pools were observed within the stream. Moderate amounts of instream cover were observed and included undercut banks and woody debris. High sinuosity and moderate current velocity were observed. Streambanks exhibited severe erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii,* UPL) and May-apple (*Podophyllum peltatum,* FACU). According to USGS *Indiana StreamStats* on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 4 to Clear Creek being classified as average quality. UNT 4 to Clear Creek Creek flows east to Clear Creek, which flows into Wabash River, a traditionally navigable waterway (TNW). Therefore, UNT 4 to Clear Creek should be considered a jurisdictional Water of the U.S.

UNT 5 to Clear Creek (227 LFT)

UNT 5 to Clear Creek flows southwest to northeast through the IA and likely extends outside the IA into the floodplain of Clear Creek to the east. UNT 5 to Clear Creek is approximately 227 LFT (0.012 ac.) long within the IA. UNT 5 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of

flow during the site visit. UNT 5 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The ordinary high water mark (OHWM) was 2.25 ft. wide and 0.17 ft. (2 in.) deep within the investigated area. Measurements of the OHWM were taken at 39.441096, -87.496924. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included woody debris. Moderate sinuosity and moderate current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii,* UPL) and poison ivy (*Toxicodendron radicans,* FAC). Vegatation located northeast of the stream disapation included black cherry (*Prunus serotina*, FACU), amur honeysuckle (*Lonicera maackii,* UPL), and common chickweed (*Stellaria media*, FACU) in photos 88 and 89. According to USGS *Indiana StreamStats* on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 5 to Clear Creek being classified as poor quality. UNT 5 to Clear Creek Creek flows east outside the IA into the floodplain of Clear Creek, which flows into Wabash River, a traditionally navigable waterway (TNW). Therefore, UNT 5 to Clear Creek should be considered a jurisdictional Water of the U.S.

UNT 6 to Clear Creek (315 LFT)

UNT 6 to Clear Creek flows south to northwest through the IA and extends outside the limits to the south. UNT 6 to Clear Creek is approximately 315 LFT (0.014 ac.) long within the IA. UNT 6 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit. UNT 6 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The ordinary high water mark (OHWM) was 2 ft. wide and 0.17 ft. (2 in.) deep within the investigated area. Measurements of the OHWM were taken at 39.441178, -87.503355. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Moderate amounts of instream cover were observed and included woody debris. Moderate sinuosity and moderate current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest and roadside ROW. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii,* UPL) and American elm (*Ulmus americana,* FACW). According to USGS *Indiana StreamStats* on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 6 to Clear Creek being classified as poor quality. UNT 6 to Clear Creek Creek flows east to Clear Creek via Wetland B, RSD 1, and UNT 1 to Clear Creek, which flows into Wabash River, a

traditionally navigable waterway (TNW). Therefore, UNT 6 to Clear Creek should be considered a jurisdictional Water of the U.S.

Wetlands:

The site was investigated for evidence of hydrophytic vegetation, hydric soil, and wetland hydrology to determine if the project impacts wetlands and other Waters of U.S. The sampling point locations were chosen in possible wetland areas within the IA. The upland areas located within the AI consisted of mowed lawn, roadside ROW, and deciduous forest. Upland areas where sampling points were not taken, were investigated and determined to be upland due to upward sloping topography and presence of dominant upland vegetation. Dominant upland species observed within mowed areas and ROW included tall false rye grass (*Schedonorus arundinaceus*, FACU) and red fescue (*Festuca rubr*a, FACU). Dominant species in forested areas included sugar maple (*Acer saccharum,* FACU), black walnut (*Juglans nigra,* FACU), eastern false rue-anemone (*Enemion biternatum,* FAC), and May-apple (*Podophyllum peltatum,* FACU). Five sampling points were taken and are identified as A1, A2, B1, B2, and UP1. The sampling points, recorded on the USACE Wetland Determination Data Forms and shown on **Exhibit 5,** provided the following information (**Table 5**):

Table 5: Sampling Plot Data Summary Table

Plot #	Photo #s	Lat/Long	Hydrophytic Vegetation	Hydric Soils	Wetland Hydrology	Within Wetland
A1	4-6	39.442656 -87.495892	Yes	Yes	Yes	Yes, Wetland A
A2	7-9	39.442629 -87.496024	No	Yes	No	No
B1	10-12	39.441641 -87.503815	Yes	Yes	Yes	Yes, Wetland B
B2	13-15	39.441635 -87.503882	No	Yes	No	No
UP1	1-3	39.443644 -87.495959	No	No	No	No

Two wetlands were observed within the IA. Descriptions of the wetlands and corresponding sampling points are provided in **Table 6** below.

Table 6: Wetland Summary Table

Wetland Name	Photo #s	Lat/Long	Cowardin Class	Total Area ac.	Quality	Likely Water of the U.S.?
Wetland A	63-67	39.442584 -87.495887	PFO1A	0.163	Average	Yes
Wetland B	19-20, 24, 28	39.441649 -87.50381	PEM1A	0.025	Poor	Yes

Wetland A (0.163 ac.) – PFO1A

Wetland A was classified as a Palustrine, Forested, Broad-Leaved Deciduous, Temporarily Flooded (PFO1A) wetland. This wetland is located within the floodplain of Clear Creek, south of UNT 2 to Clear Creek and north of UNT 4 to Clear Creek. Approximately 0.163 ac. of Wetland A was contained within the IA, and the wetland continued east beyond the IA. The boundaries of Wetland A were delineated by lack of wetland vegetation and increased elevation. Due to its location within a floodplain, Wetland A likely receives flood waters on a consistent basis during rain events. The wetland was not associated with an NWI polygon and was formed within the Bp and Ge mapped soil units, which are listed as 0 percent hydric (nonhydric). The wetland is located adjacent to Clear Creek and deciduous forest. The wetland exhibited good plant species diversity, was forested, and extended over a large area beyond the IA. These factors contribute to the conclusion the wetland can support an average amount of wildlife or aquatic habitat and therefore should be considered to be of average quality. Wetland A directly abuts Clear Creek outside of the IA, which flows into the Wabash River, a Section 10 TNW. Because Wetland A directly abuts a TNW, it should be considered a jurisdictional Water of the U.S.

Sampling Point A1 (A1) – Wetland A

A1 was located within the floodplain of Clear Creek, in the eastern portion of the IA. The dominant vegetation at this sampling point was ash-leaf maple (*Acer negundo,* FAC) and American elm (*Ulmus americana,* FACW) in the tree stratum, amur honeysuckle (*Lonicera maackii,* UPL) and American elm (*Ulmus americana,* FACW) in the sapling/shrub stratum, and creeping Jenny (*Lysimachia nummularia,* FACW) and fall sneezeweed (*Helenium autumnale,* FACW) in the herb stratum. This passed the hydrophytic vegetation indicators of dominance test and prevalence index. The soil in the test pit met the hydric soil indicator of redox dark surface (F6). Indicators of wetland hydrology observed included surface water (A1), high water table (A2), saturation (A3), water-stained leaves (B9), geomorphic position (D2), and FAC-neutral test (D5). Since all three required wetland criteria were met, this area qualified as a wetland.

Sampling Point A2 (A2) – Wetland A Upland

A2 was located on a hillslope west of Wetland A. The dominant vegetation at this sampling point was eastern cottonwood (*Populus deltoides,* FAC), sugar maple (*Acer saccharum,* FACU), and black walnut (*Juglans nigra,* FACU) in the tree stratum; amur honeysuckle (*Lonicera maackii,* UPL) in the sapling/shrub stratum; and eastern false rue-anemone (*Enemion biternatum,* FAC) and stinging nettle (*Urtica dioica,* FACW) in the herb stratum. This did not meet any of the hydrophytic vegetation indicators. The soil in the test pit met the hydric soil indicator of redox dark surface (F6). No indicators of wetland hydrology were observed. Since only one of the three required wetland criteria were met, this area did not qualify as a wetland.

Wetland B (0.025 ac.) – PEM1A

Wetland B was classified as a Palustrine, Emergent, Persistent, Temporarily Flooded (PEM1A) wetland. This wetland is located in a ditch north south of the I-70 exit ramp. The boundaries of Wetland B were delineated by lack of wetland vegetation and increased elevation. The wetland was not associated with an NWI polygon and was formed within the Wx mapped soil unit, which is listed as 3 percent (predominantly) nonhydric**.** Due to its location within a ditch, Wetland B likely receives drainage on a consistent basis during rain events. The wetland is located adjacent to I-70 and the rest area parking and likely receives run-off from the adjacent sources. The wetland exhibited poor plant species diversity. These factors contribute to the conclusion that Wetland B can support a limited amount of wildlife or aquatic habitat and therefore should be considered to be of poor quality. Based on topography, it can be deduced that water drains into Clear Creek via RSD 1 and UNT 1 to Clear Creek, which flows into the Wabash River, a Section 10 TNW. Because Wetland A contributes flow to a TNW, it should be considered a jurisdictional Water of the U.S.

Sampling Point B1 (B1) – Wetland B

B1 was located in a ditch south of I-70 in the western portion of the IA. The dominant vegetation at this sampling point was sandbar willow (*Salix interior,* FACW) in the sapling/shrub stratum and red fescue (*Festuca rubra,* FACU) and Gray's sedge (*Carex grayi,* FACW) in the herb stratum. This passed the hydrophytic vegetation indicators of dominance test and prevalence index. The soils in the test pit met the hydric soil indicator of depleted below dark surface (A11), depleted matrix (F3), and redox dark surface (F6). Indicators of wetland hydrology observed included high water table (A2), saturation (A3), oxidized rhizospheres on living roots (C3), geomorphic position (D2), and FAC-neutral test (D5). Since all three required wetland criteria were met, this area qualified as a wetland.

Sampling Point B2 (B2) – Wetland B upland

B2 was located at the toe of a slope southwest of Wetland B. The dominant vegetation at this sampling point was ash-leaf maple (*Acer negundo,* FAC) and sandbar willow (*Salix interior,* FACW) in the sapling/shrub stratum and red fescue (*Festuca rubra,* FACU) in the herb stratum. This did not meet any indicators of hydrophytic vegetation. The soil in the test pit met the hydric soil indicators of depleted below dark surface (A11) and depleted matrix (F3). No indicators of wetland hydrology were observed. Since only one of the three required wetland criteria were met, this area did not qualify as a wetland.

Additional Sampling Point(s):

An additional sampling point was taken in an area where a wetland was suspected but did not meet the three required wetland criteria. A description of this sampling point is included below.

Sampling Point 1 (UP1)

UP1 was located within the floodplain of Clear Creek, in a PFO1A NWI polygon. The dominant vegetation at this sampling point was common hackberry (*Celtis occidentalis,* FAC), eastern cottonwood (*Populus deltoides,* FAC), and American elm (*Ulmus americana,* FACW) in the tree stratum; amur honeysuckle (*Lonicera maackii,* UPL) in the sapling/shrub stratum; and sticky-willy (*Galium aparine,* FACU), sweet vernal grass (*Anthoxanthum odoratum,* FACU), hairy Solomon's seal (*Polygonatum pubescens,* FACU), and stinging nettle (*Urtica dioica,* FACW) in the herb stratum. This did not meet any indicators of hydrophytic vegetation. The soil in the test pit did not meet any of the hydric soil indicators. No indicators of wetland hydrology were observed. Since none of the three required wetland criteria were met, this area did not qualify as a wetland.

Open Water:

No open water areas were observed in the investigated area.

Roadside Ditches:

Three roadside ditches (RSD) were identified within the IA. RSD 1 was located in the western portion of the IA, northwest of Wetland B, and ran parallel to the I-70 exit ramp for 267 ft. within the IA. RSD 2 was located southeast of Wetland B, and was 319 ft. long within the IA. RSD 3 was located south of the welcome center exit ramp and was 652 ft. long within the IA. These ditches were constructed in uplands to convey stormwater drainage from the surrounding areas. These features consisted of upland vegetation such as red fescue (*Festuca rubra*, FACU). These features also lacked a continuous bed and bank and/or OHWM and should not be considered jurisdictional Waters of the U.S.

Culverts and Drains:
Fifteen culverts and two storm drain were identified within the IA as shown in **Table 7**. The culverts were made of either concrete, corrugated metal pipe (CMP), or high density polyethylene (HDPE). These culverts and storm drains served to aid in roadside drainage and stormwater conveyance. The culverts did not carry jurisdictional waters due to a lack of an OHWM and bed and bank characteristics. Locations of these culverts are shown on **Exhibit 5, Exhibit 6**, and attached photosheet.

Table 7: Culverts and Drains Summary Table

Culvert and Drain Number	Type	Purpose
CV 2, CV 3, CV 4, CV 5, CV 6, CV 10, CV 11, CV 13	Concrete	Stormwater Drainage
CV 1, CV 7, CV 14, CV 15	CMP	Stormwater Drainage
CV 8, CV 9, CV 12	HDPE	Stormwater Drainage
SD 1, SD 2	Metal grate	Stormwater Drainage

Conclusion:
One PEM1A wetland (0.025 ac.); one PFO1A (0.163 ac.) wetland; and six streams (UNT 1 to Clear Creek, UNT 2 to Clear Creek, UNT 3 to Clear Creek, UNT 4 to Clear Creek, UNT 5 to Clear Creek, and UNT 6 to Clear Creek), totaling 4,662 LFT, were identified within the IA during the field reconnaissance. These waterways are likely Waters of the U.S. Every effort should be taken to avoid and minimize impacts to these waterways and wetland. If impacts are necessary, then mitigation may be required. The INDOT Environmental Services Division should be contacted immediately if impacts will occur. The final determination of jurisdictional waters is ultimately made by the U.S. Army Corps of Engineers. This report is our best judgment based on the guidelines set forth by the Corps.

Acknowledgements:

This waters determination has been prepared based on the best available information, interpreted in light of the investigator's training, experience and professional judgement in conformance with the 1987 *Corps of Engineers Wetlands Delineation Manual*, the appropriate regional supplement, the USACE *Jurisdictional Determination Form Instructional Guidebook*, and other appropriate agency guidelines. See **Table 8** for a list of the associated Metric investigators.

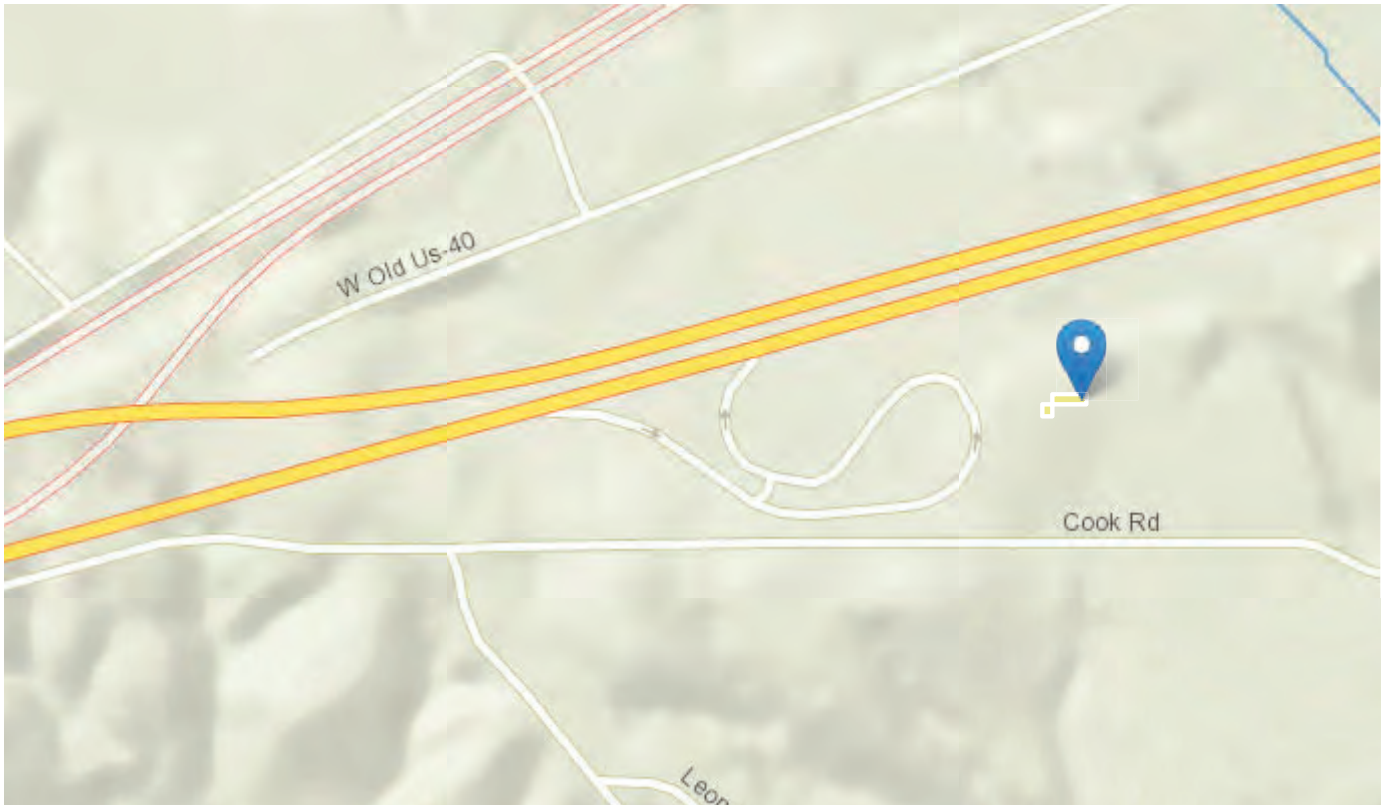
Table 8: Acknowledgement Summary Table

Metric Environmental Staff	Position	Contributing Effort	Signature/Date
Amy Noel Smith	Senior Project Manager	QAQC	Amy Noel Smith 8/31/22
Alex Gray	Project Scientist 2	QAQC	Alex M. Gray 8/31/22
Zachary Root	Project Scientist 1	Field Data Collection, QAQC	Zachary Root 8/31/22
April Pape	Staff Scientist 1	Field Data Collection, Report Preparation	April Pape 8/31/22
Kristina Zuniga	Staff Scientist 1	Field Data Collection	Kristina Zuniga 8/31/22

Duplicate attachments were intentionally removed. Please refer to Appendix B in the CE document.

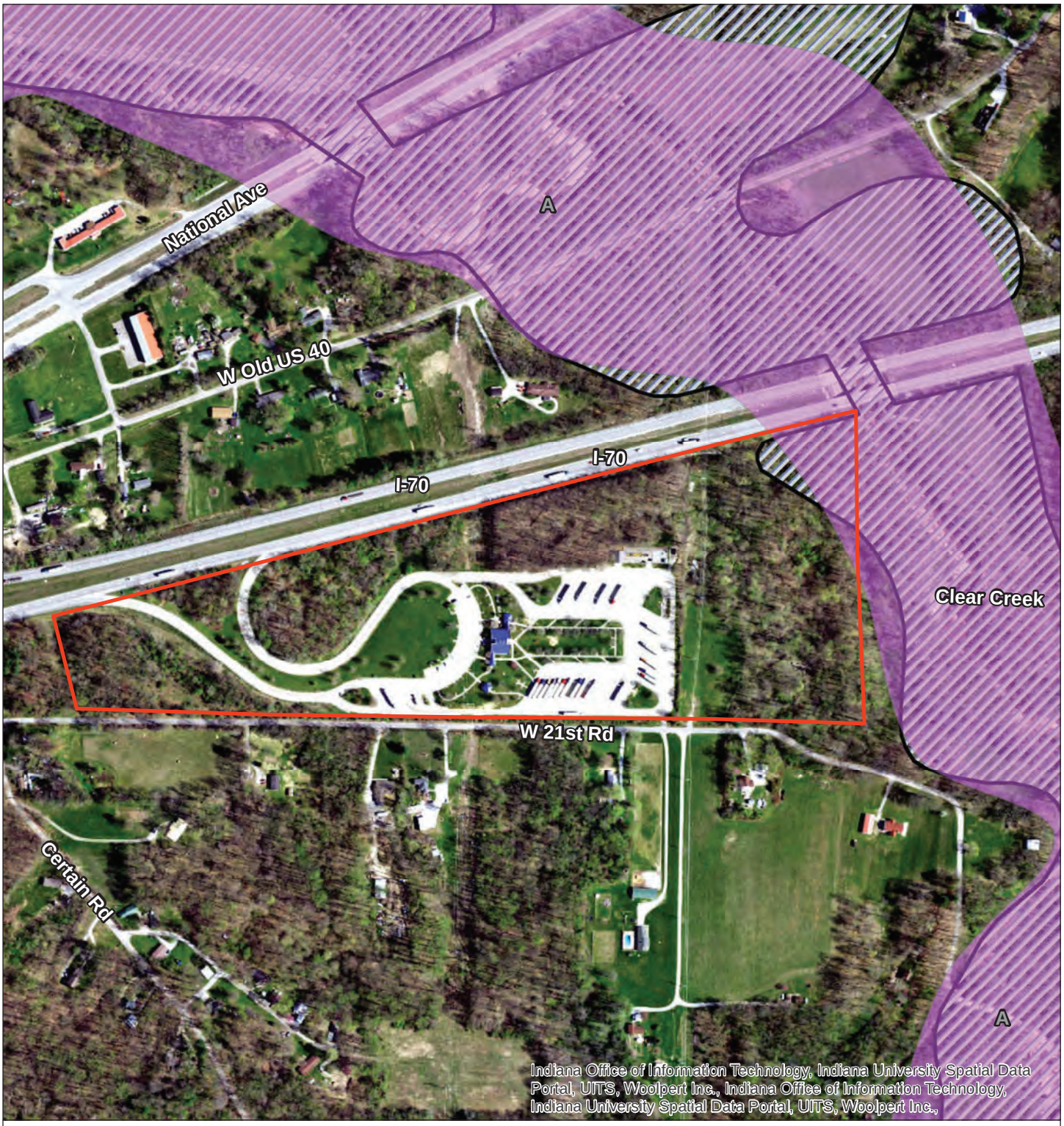
I-70 Clear Creek Welcome Center

Region ID: IN
Workspace ID: IN20220713161657449000
Clicked Point (Latitude, Longitude): 39.44206, -87.49932
Time: 2022-07-13 12:17:18 -0400



No line associated with field-identified streams.

Application Version: 4.10.0
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1



Investigated Area (IA)

Floodplain- Zone A- 1% Annual Flood Chance

IDNR Approximate Floodway

Exhibit 3 - IDNR Floodway and FIRM Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar CreekTownship, Vigo County, IN
Des. No.1902855
Metric Project No.21-0049-3
Map Date: 3/21/2022
Map Author: Kristina Zuniga

All locations approximate

Source: Indiana Spatial Data Portal (2018)

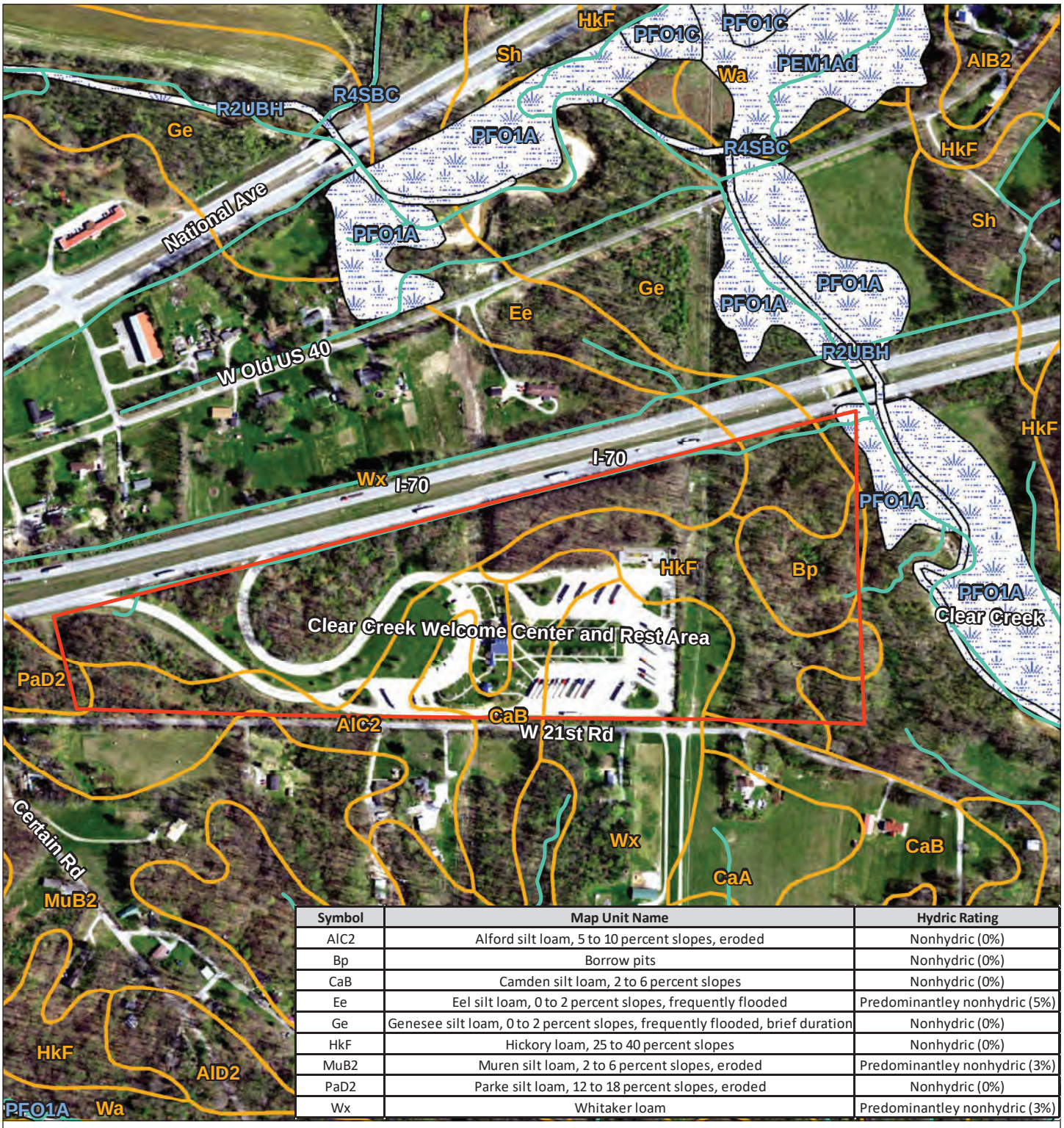
N

0 250 500 1,000

Feet

METRIC ENVIRONMENTAL

Exh. 3



Symbol	Map Unit Name	Hydric Rating
AlC2	Alford silt loam, 5 to 10 percent slopes, eroded	Nonhydric (0%)
Bp	Borrow pits	Nonhydric (0%)
CaB	Camden silt loam, 2 to 6 percent slopes	Nonhydric (0%)
Ee	Eel silt loam, 0 to 2 percent slopes, frequently flooded	Predominantley nonhydric (5%)
Ge	Genesee silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Nonhydric (0%)
HkF	Hickory loam, 25 to 40 percent slopes	Nonhydric (0%)
MuB2	Muren silt loam, 2 to 6 percent slopes, eroded	Predominantley nonhydric (3%)
PaD2	Parke silt loam, 12 to 18 percent slopes, eroded	Nonhydric (0%)
Wx	Whitaker loam	Predominantley nonhydric (3%)

Investigated Area (IA)
NWI Wetland
NHD Flowline
NRCS Soil Survey

Exhibit 4 - NWI, NHD, Soil Survey Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar CreekTownship, Vigo County, IN
Des. No.1902855
Metric Project No.21-0049-3
Map Date: 3/21/2022
Map Author: Kristina Zuniga

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N

0 250 500 1,000

Feet

METRIC ENVIRONMENTAL

Exh. 4

Page

Investigated Area (IA)

Exhibit 5 Reference Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar CreekTownship, Vigo County, IN
Des. No.1902855
Metric Project No.21-0049-3
Map Date: 3/21/2022
Map Author: Kristina Zuniga

All locations approximate

Source: Indiana Spatial Data Portal (2018)

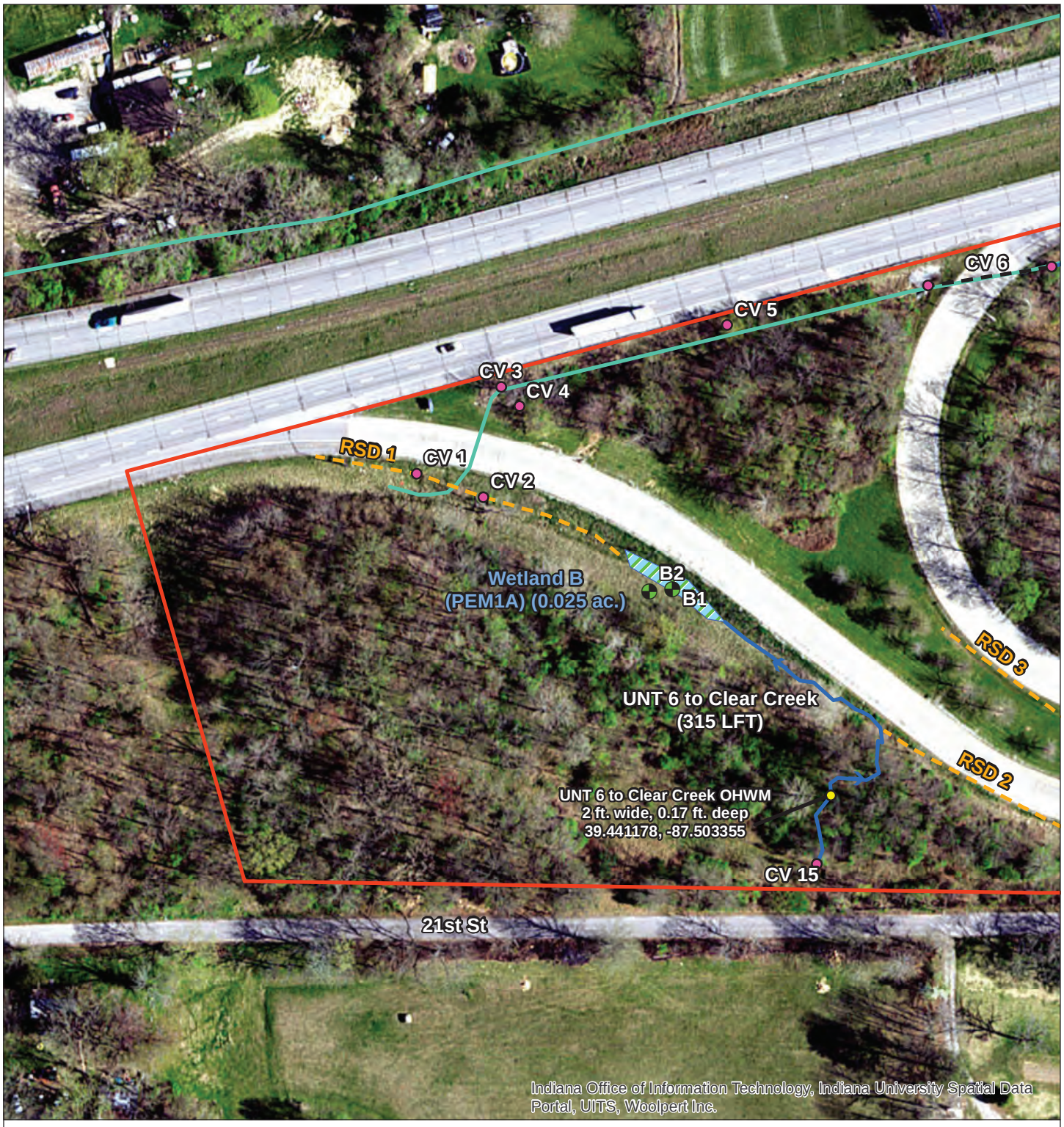
N

0 250 500 1,000

Feet

METRIC ENVIRONMENTAL

Exh. 5 Reference Map



Investigated Area (IA)
Delineated Wetland Continues Beyond IA
OHWM Measurement
Point
Culvert
Sampling Point
Stream
Roadside Ditch
Wetland
NHD Flowline

Exhibit 5 - Waters Delineation Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3
Map Date: 5/12/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N
0 50 100 200
Feet

METRIC ENVIRONMENTAL

Investigated Area (IA)
Delineated Wetland Continues Beyond IA
OHWM Measurement
Point
Culvert
Sampling Point
Stream
Roadside Ditch
Wetland
NHD Flowline

Exhibit 5 - Waters Delineation Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3
Map Date: 5/12/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N
0 50 100 200
Feet

METRIC ENVIRONMENTAL

Exh. 5
Page 2 of 4

Investigated Area (IA)
Delineated Wetland Continues Beyond IA
OHWM Measurement
Point
Culvert
Sampling Point
Stream
Roadside Ditch
Wetland
NHD Flowline

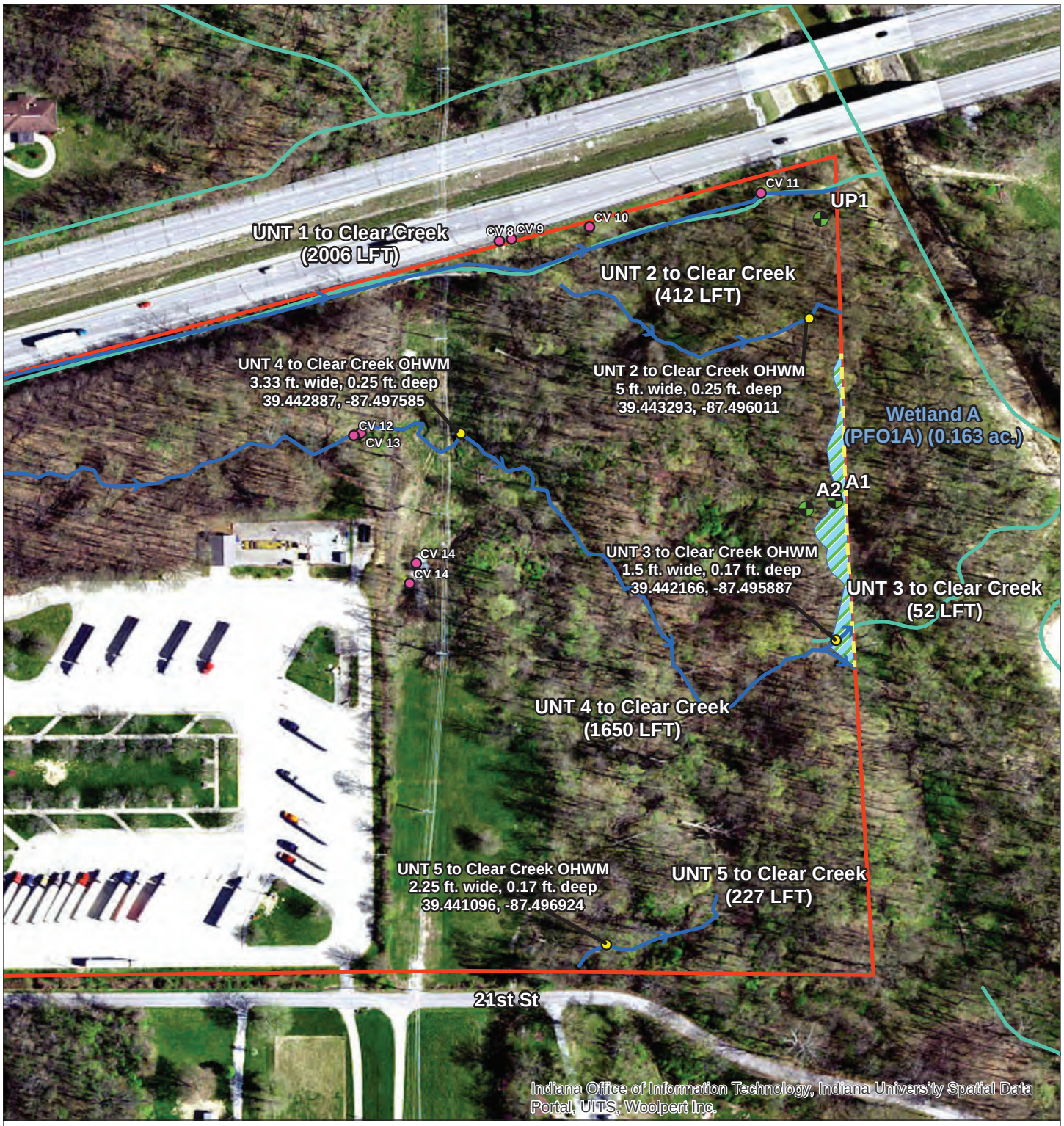
Exhibit 5 - Waters Delineation Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3
Map Date: 5/12/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N
0 50 100 200
Feet

METRIC ENVIRONMENTAL



Investigated Area (IA)
Delineated Wetland Continues Beyond IA
OHWM Measurement
Point
Culvert
Sampling Point
Stream
Roadside Ditch
Wetland
NHD Flowline

Exhibit 5 - Waters Delineation Map
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3
Map Date: 5/12/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N

0 50 100 200

Feet

METRIC ENVIRONMENTAL

WETLAND DETERMINATION DATA FORM -- Midwest Region

Project/Site: I-70 Clear Creek Rest Area (Des. 1902855) City/County: Terre Haute/Vigo County Sampling Date: 4/25/2022

Applicant/Owner: INDOT State: IN Sampling Point: A1

Investigator(s): Zachary Root, April Pape, Kristina Zuniga Section, Township, Range: S 35, T 12 N, R 10 W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0% Lat: 39.442656 Long: -87.495892 Datum: NAD83

Soil Map Unit Name: Borrow pits (Bp) - Nonhydric (0%) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS -- Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes X No ____

Hydric Soil Present? Yes X No ____

Wetland Hydrology Present? Yes X No ____

Is the Sampled Area within a Wetland? Yes X No ____

Remarks: Wetland A (PFO1A) Sampling Point. Light rain in the morning.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer negundo*	20%	Yes	FAC
2. *Ulmus americana*	10%	Yes	FACW
3.			
4.			
5.			
	30%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Lonicera maackii*	10%	Yes	UPL
2. *Ulmus americana*	10%	Yes	FACW
3.			
4.			
5.			
	20%	= Total Cover	

Herb Stratum (Plot size: 5' radius)			
1. *Lysimachia nummularia*	20%	Yes	FACW
2. *Helenium autumnale*	20%	Yes	FACW
3. *Toxicodendron radicans*	5%	No	FAC
4. *Viola sororia*	5%	No	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	50%	= Total Cover	

Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 83% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x1 =	
FACW species	60%	x2 =	1.2
FAC species	30%	x3 =	0.9
FACU species		x4 =	
UPL species	10%	x5 =	0.5
Column Totals:	1.00 (A)		2.6 (B)

Prevalence Index = B/A = 2.60

Hydrophytic Vegetation Indicators:

____ 1-Rapid Test for Hydrophytic Vegetation

X 2-Dominance Test is >50%

X 3-Prevalence Index is ≤3.0[1]

____ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No ____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: A1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR 3/2	95	5YR 3/4	5	C	M	SL	Prominent Redox Concentrations
7-20	10YR 5/6	80	10YR 3/2	20	C	M	SL	Prominent Redox Concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Iron-Manganese Masses (F12)
- ___ Dark Surface (S7)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No ___ Depth (inches): 3

Water Table Present? Yes X No ___ Depth (inches): 10

Saturation Present? (includes capillary fringe) Yes X No ___ Depth (inches): 8

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Located in a depression with concave local relief (D2).

WETLAND DETERMINATION DATA FORM -- Midwest Region

Project/Site: I-70 Clear Creek Rest Area (Des. 1902855) City/County: Terre Haute/Vigo County Sampling Date: 4/25/2022

Applicant/Owner: INDOT State: IN Sampling Point: A2

Investigator(s): Zachary Root, April Pape, Kristina Zuniga Section, Township, Range: S 35, T 12 N, R 10 W

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex

Slope (%): 2% Lat: 39.442629 Long: -87.496024 Datum: NAD83

Soil Map Unit Name: Borrow pits (Bp) - Nonhydric (0%) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS -- Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No X

Hydric Soil Present? Yes X No ____

Wetland Hydrology Present? Yes ____ No X

Is the Sampled Area within a Wetland? Yes ____ No X

Remarks: Wetland A Upland Sampling Point. Light rain in the morning.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus deltoides*	20%	Yes	FAC
2. *Acer saccharum*	20%	Yes	FACU
3. *Juglans nigra*	10%	Yes	FACU
4.			
5.			
	50%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Lonicera maackii*	25%	Yes	UPL
2.			
3.			
4.			
5.			
	25%	= Total Cover	

Herb Stratum (Plot size: 5' radius)			
1. *Enemion biternatum*	20%	Yes	FAC
2. *Urtica dioica*	10%	Yes	FACW
3. *Delphinium tricorne*	5%	No	UPL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	35%	= Total Cover	

Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x1 =	
FACW species	10%	x2 =	0.2
FAC species	40%	x3 =	1.2
FACU species	30%	x4 =	1.2
UPL species	30%	x5 =	1.5
Column Totals:	1.10 (A)		4.1 (B)

Prevalence Index = B/A = 3.73

Hydrophytic Vegetation Indicators:

____ 1-Rapid Test for Hydrophytic Vegetation

____ 2-Dominance Test is >50%

____ 3-Prevalence Index is ≤3.0[1]

____ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: A2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR 2/1	100					SCL	
9-20	10YR 3/2	75	7.5YR 5/6	15	C	M	SCL	Prominent Redox Concentrations
			10YR 2/1	10	D	M	SCL	Faint Redox Depletions

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Iron-Manganese Masses (F12)
- ___ Dark Surface (S7)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): _____

Water Table Present? Yes ___ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No X Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM -- Midwest Region

Project/Site: I-70 Clear Creek Rest Area (Des. 1902855) City/County: Terre Haute/Vigo County Sampling Date: 4/25/2022

Applicant/Owner: INDOT State: IN Sampling Point: B1

Investigator(s): Zachary Root, April Pape, Kristina Zuniga Section, Township, Range: S 34, T 12 N, R 10 W

Landform (hillslope, terrace, etc.): Ditch Local relief (concave, convex, none): Concave

Slope (%): 0% Lat: 39.441641 Long: -87.503815 Datum: NAD83

Soil Map Unit Name: Whitaker loam (Wx) - Predominantly Nonhydric (3%) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS -- Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes X No ____

Hydric Soil Present? Yes X No ____

Wetland Hydrology Present? Yes X No ____

Is the Sampled Area within a Wetland? Yes X No ____

Remarks: Wetland B (PEM1A) Sampling Point. Light rain in the morning.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0% = Total Cover		
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *ali interior*	30%	Yes	FACW
2.			
3.			
4.			
5.			
	30% = Total Cover		
Herb Stratum (Plot size: 5' radius)			
1. *estuca rubra*	30%	Yes	FACU
2. *are gra i*	30%	Yes	FACW
3. *mpatiens capensis*	10%	No	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	70% = Total Cover		
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0% = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x1 =	
FACW species	70%	x2 =	1.4
FAC species		x3 =	
FACU species	30%	x4 =	1.2
UPL species		x5 =	
Column Totals:	1.00 (A)		2.6 (B)

Prevalence Index = B/A = 2.60

Hydrophytic Vegetation Indicators:

____ 1-Rapid Test for Hydrophytic Vegetation

X 2-Dominance Test is >50%

X 3-Prevalence Index is ≤3.0[1]

____ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No ____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: B1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/2	95	7.5YR 4/4	5	C	M, PL	CL	Distinct Redox Concentrations
6-20	10YR 5/2	60	7.5YR 4/6	40	C	M	CL	Prominent Redox Concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- X Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Iron-Manganese Masses (F12)
- ___ Dark Surface (S7)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- ___ Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___ No X	Depth (inches):	
Water Table Present?	Yes X No ___	Depth (inches):	6
Saturation Present? (includes capillary fringe)	Yes X No ___	Depth (inches):	0

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Located in a ditch with concave local relief (D2).

WETLAND DETERMINATION DATA FORM -- Midwest Region

Project/Site: I-70 Clear Creek Rest Area (Des. 1902855) City/County: Terre Haute/Vigo County Sampling Date: 4/25/2022

Applicant/Owner: INDOT State: IN Sampling Point: B2

Investigator(s): Zachary Root, April Pape, Kristina Zuniga Section, Township, Range: S 34, T 12 N, R 10 W

Landform (hillslope, terrace, etc.): Toe of slope Local relief (concave, convex, none): None

Slope (%): 0% Lat: 39.441635 Long: -87.503882 Datum: NAD83

Soil Map Unit Name: Whitaker loam (Wx) - Predominantly Nonhydric (3%) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS -- Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No X

Hydric Soil Present? Yes X No ____

Wetland Hydrology Present? Yes ____ No X

Is the Sampled Area within a Wetland? Yes ____ No X

Remarks: Wetland B Upland Sampling Point. Light rain in the morning.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0% = Total Cover		

Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Acer negundo*	10%	Yes	FAC
2. *ali interior*	10%	Yes	FACW
3.			
4.			
5.			
	20% = Total Cover		

Herb Stratum (Plot size: 5' radius)			
1. *estuca rubra*	70%	Yes	FACU
2. *ecurigera aria*	25%	Yes	UPL
3. *irsium ar ense*	10%	No	FACU
4. *Euon mus ortunei*	10%	No	UPL
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	115% = Total Cover		

Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0% = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x1 =	
FACW species	10%	x2 =	0.2
FAC species	10%	x3 =	0.3
FACU species	80%	x4 =	3.2
UPL species	35%	x5 =	1.75
Column Totals:	1.35 (A)		5.45 (B)

Prevalence Index = B/A = 4.04

Hydrophytic Vegetation Indicators:

____ 1-Rapid Test for Hydrophytic Vegetation

____ 2-Dominance Test is >50%

____ 3-Prevalence Index is ≤3.0[1]

____ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: B2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/2	100					CL	
6-20	10YR 4/1	85	5YR 3/3	15	C	M	CL	Prominent Redox Concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- X Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Iron-Manganese Masses (F12)
- ___ Dark Surface (S7)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___ No X	Depth (inches):	___
Water Table Present?	Yes X No ___	Depth (inches):	14
Saturation Present? (includes capillary fringe)	Yes X No ___	Depth (inches):	14

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM -- Midwest Region

Project/Site: I-70 Clear Creek Rest Area (Des. 1902855) City/County: Terre Haute/Vigo County Sampling Date: 4/25/2022

Applicant/Owner: INDOT State: IN Sampling Point: UP1

Investigator(s): Zachary Root, April Pape, Kristina Zuniga Section, Township, Range: S 35, T 12 N, R 10 W

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None

Slope (%): 0% Lat: 39.443644 Long: -87.495959 Datum: NAD83

Soil Map Unit Name: Genesee silt loam, 0 to 2 percent slopes, frequently flooded, brief duration (Ge) - Nonhydric (0%) NWI classification: PFO1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation No , Soil No , or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ____

Are Vegetation No , Soil No , or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS -- Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No X

Hydric Soil Present? Yes ____ No X

Wetland Hydrology Present? Yes ____ No X

Is the Sampled Area within a Wetland? Yes ____ No X

Remarks: Upland Sampling Point 1. Light rain in the morning.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *eltis occidentalis*	40%	Yes	FAC
2. *Populus deltoides*	15%	Yes	FAC
3. *Ulmus americana*	15%	Yes	FACW
4. *Juglans nigra*	5%	No	FACU
5.			
	75%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Lonicera maackii*	30%	Yes	UPL
2. *Aesculus glabra*	5%	No	FAC
3.			
4.			
5.			
	35%	= Total Cover	

Herb Stratum (Plot size: 5' radius)			
1. *alium aparine*	15%	Yes	FACU
2. *Antho anthum odoratum*	15%	Yes	FACU
3. *Pol gonatum pubescens*	10%	Yes	FACU
4. *Urtica dioica*	10%	Yes	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	50%	= Total Cover	

Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x1 =	
FACW species	25%	x2 =	0.5
FAC species	60%	x3 =	1.8
FACU species	45%	x4 =	1.8
UPL species	30%	x5 =	1.5
Column Totals:	1.60 (A)		5.6 (B)

Prevalence Index = B/A = 3.50

Hydrophytic Vegetation Indicators:

____ 1-Rapid Test for Hydrophytic Vegetation

____ 2-Dominance Test is >50%

____ 3-Prevalence Index is ≤3.0[1]

____ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: UP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 3/2	100					LS	
4-20	10YR 4/3	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Iron-Manganese Masses (F12)
- ___ Dark Surface (S7)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): _____

Water Table Present? Yes ___ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No X Depth (inches): _____

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: August 31, 2022

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:

April Pape
Metric Environmental, LLC
6958 Hillsdale Court
Indianapolis, IN 46250
317-608-2762
aprilp@metricenv.com

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

The proposed project (Des. 1902855) includes reconfiguration and reconstruction of the Clear Creek Welcome Center along eastbound I-70 in Sugar Creek Township, Vigo County, Indiana. The IA was developed based on the proposed improvements and the boundaries of the legal parcel. In addition to the IA developed for the Welcome Center, a corridor was created to run utilities to the updated Welcome Center. Since delineated features within this corridor are intended to be avoided, full waters documentation was not required. However, a brief memo and maps of these features have been provided as **Appendix A**.

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

State: IN County/parish/borough: Vigo County City: Terre Haute
Center coordinates of site (lat/long in degree decimal format):
Lat.: 39.44221°
Long: -87.50011°
Universal Transverse Mercator: 16 S 456965.34 E 4365970.29 N
Name of Nearest Waterbody: Clear Creek

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

☐ Office (Desk) Determination. Date:

☐ Field Determination. Date(s):

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

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
Wetland A	39.442584	-87.495887	0.163 ac.	**Wetland**	**Section 404**
Wetland B	39.441649	-87.50381	0.025 ac.	**Wetland**	**Section 404**
UNT 1 to Clear Creek	39.443145	-87.499327	2006 LFT (0.345 ac.)	**Non-Wetland Waters**	**Section 404**
UNT 2 to Clear Creek	39.443176	-87.496453	412 LFT (0.047 ac.)	**Non-Wetland Waters**	**Section 404**
UNT 3 to Clear Creek	39.442166	-87.495885	52 LFT (0.002 ac.)	**Non-Wetland Waters**	**Section 404**
UNT 4 to Clear Creek	39.442903	-87.497851	1650 LFT (0.126 ac.)	**Non-Wetland Waters**	**Section 404**
UNT 5 to Clear Creek	39.441118	-87.496703	227 LFT (0.012 ac.)	**Non-Wetland Waters**	**Section 404**
UNT 6 to Clear Creek	39.441344	-87.503231	315 LFT (0.014 ac.)	**Non-Wetland Waters**	**Section 404**

1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.

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

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

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

- [x] Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
  Map: Dated 4/25/2022
- [x] Data sheets prepared/submitted by or on behalf of the PJD requestor.
  - [ ] Office concurs with data sheets/delineation report.
  - [ ] Office does not concur with data sheets/delineation report. Rationale:_____.
- [ ] Data sheets prepared by the Corps:_____.
- [ ] Corps navigable waters' study:_____.
- [ ] U.S. Geological Survey Hydrologic Atlas:_____.
  - [x] USGS NHD data.
  - [x] USGS 8- and 12-digit HUC maps.
- [x] U.S. Geological Survey map(s). Cite scale & quad name: Terre Haute & Dennison IN 7.5 min, 1996
- [x] Natural Resources Conservation Service Soil Survey. Citation: SSURGO Vigo County
- [x] National wetlands inventory map(s). Cite name: http://www.fws.gov/wetlands/.
- [ ] State/local wetland inventory map(s):_____.
- [x] FEMA/FIRM maps: Effective 2018
- [ ] 100-year Floodplain Elevation is:_____.(National Geodetic Vertical Datum of 1929)
- [x] Photographs: [x] Aerial (Name & Date): Indiana Aerial Photograph, 2018.
  or [x] Other (Name & Date): Site Photographs, 4/25/2022.
- [ ] Previous determination(s). File no. and date of response letter:_____.
- [ ] Other information (please specify):_____.

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

_____	April Pape 8/31/2022
Signature and date of Regulatory staff member completing PJD	Signature and date of person requesting PJD (REQUIRED, unless obtaining the signature is impracticable)[1]

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

APPENDIX A: UTILITY CORRIDOR – NO IMPACTS EXPECTED

August 31, 2022

RE: WATERS DETERMINATION FOR AVOIDANCE
I-70 CLEAR CREEK WELCOME CENTER UTILITY CORRIDOR
FOR REST AREA MODERNIZATION VIGO COUNTY, INDIANA

The intention of this utility corridor is to provide a sanitation line to the Clear Creek Welcome Center. The investigated corridor runs primarily through wooded section with interspersed agricultural fields. This sanitation line is approximately 4.8 miles in length and runs along country roads.

An environmental field investigation associated with the utility corridor project located in the Vincennes District was conducted on June 28th, 2022, by April Pape and Jaci Scherb with Metric Environmental, LLC to determine if any future work would result in impacts to environmentally sensitive areas including wetlands and Waters of the United States (U.S.). This investigation was conducted in accordance with the *1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual* and the *August 2010 Midwest Regional Supplement (version 2.0) Manual*.

Waters of the U.S. Investigation Methodology:
The site was investigated for evidence of hydrophytic vegetation, hydric soil, and wetland hydrology to determine if any wetlands and other Waters of the U.S. are present within the project area. Features were assumed waters based off dominant wetland vegetation and/or OHWM observed at the time of the site visit. The areas investigated consisted mainly of country road embankment and wooded sections. No wetlands were observed within the project study area. The main vegetation found within the upland area consisted of amur honeysuckle (*Lonicera maackii*, UPL), black walnut (*Juglans nigra*, FACU), honey locust (*Gleditsia triacanthos*, FACU), and sugar maple (*Acer saccharum*, FACU). Approximately two streams, totaling 364 linear feet, were observed within the project study areas. It is our determination that 2 suspected regulated Waters of the U.S. were found within the project study areas. Please note that the final determination of jurisdictional waters is ultimately made by the USACE, and regulation of isolated waters is regulated by the Indiana Department of Environmental Management (IDEM). This investigation is our best judgment based on the guidelines set forth by the USACE.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Flow Regime
Clear Creek	39.445563	-87.497314	258 LFT	**Non-Wetland Waters**	**Perennial**
UNT 1 to Clear Creek	38.442851	-87.500637	106 LFT	**Non-Wetland Waters**	**Intermittent**

Conclusion:
Based on the field investigation, it appears that there are no impacts expected to wetlands or other Waters of the U.S. within the project study area. Shapefiles of waters features were collected in the field and are provided to be overlayed on plan sheets and used in the planning process. Shapefiles are projected in the NAD_1983_2011_InGCS_Vigo_(ftUS) coordinate system. Please note that ultimate regulatory authority resides with the USACE and IDEM. We recommend that coordination with these agencies be conducted for confirmation that no impacts will occur. Please contact us at 769-203-9314 if we can be of any further assistance.

Sincerely,

Alex Gray

Natural Resources Project Scientist

Amy Noel Smith

Natural Resources Senior Project Scientist

Metric Project No. 21-0049-3

Investigated Area

Stream

Waters Delineation Map
I-70 Clear Creek Welcome Center - Utilities
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3b
Map Date: 6/29/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N

0 125 250 500

Feet

METRIC ENVIRONMENTAL

Investigated Area

Stream

Waters Delineation Map
I-70 Clear Creek Welcome Center - Utilities
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3b
Map Date: 6/29/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N

0 125 250 500

Feet

METRIC ENVIRONMENTAL

Investigated Area

Stream

Waters Delineation Map
I-70 Clear Creek Welcome Center - Utilities
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855
Metric Project No. 21-0049-3b
Map Date: 6/29/2022
Map Author: April Pape

All locations approximate

Source: Indiana Spatial Data Portal (2018)

N

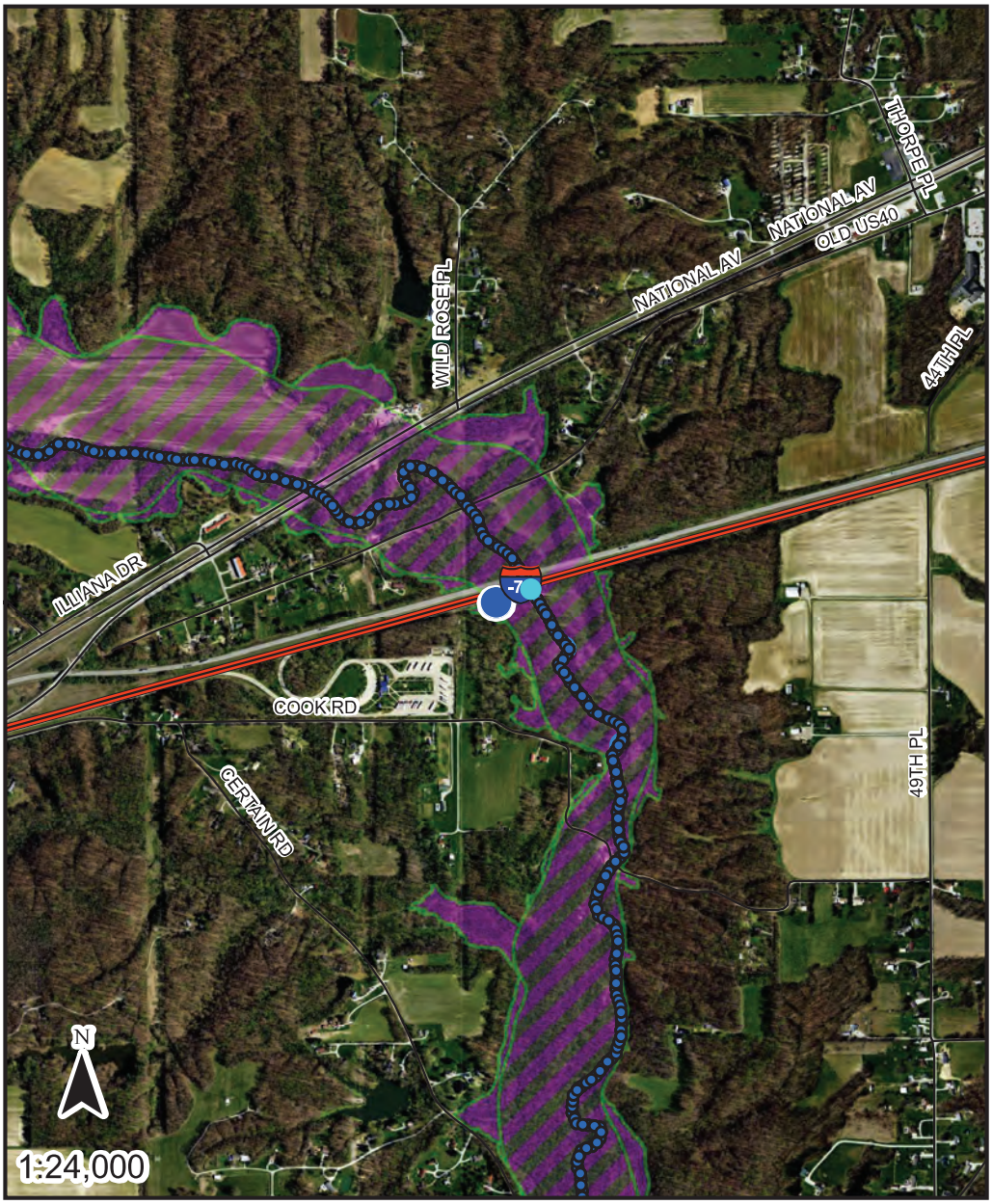
0 125 250 500

Feet

METRIC ENVIRONMENTAL

Floodplain Analysis & Regulatory Assessment (FARA)

Indiana Department of Natural Resources



Point of Interest

Base Flood Elevation Point

Flood Elevation Points

STUDIED STREAM

Rivers and Streams at least 1 square mile

Drainage Area (sq. miles)

10 - 100

DNR Approximate Floodway

DNR Approximate Fringe

Point of Interest Coordinates (WGS84)

Long: **-87.4967506794**

Lat: **39.4436126665**

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

County: **Vigo**

Stream Name: **Clear Creek**

Approximate Ground Elevation: **476.4 feet (NAVD88)**

Base Flood Elevation: **479.5 feet (NAVD88)**

Drainage Area: **Not available**

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

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

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

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

Floodplain Administrator: **Sydney Shahar, Assistant Director of Vigo County Area Planning**

Community Jurisdiction: **Vigo County, County proper**

Phone: **(812) 462-3354**

Email: **sydney.shahar@vigocounty.in.gov**

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

Date Generated: 10/3/2022