☐ The archaeological records check has determined that the project area does not have the potential to contain archaeological resources and no further work is recommended before the project is allowed to proceed.

☒ The Phase Ia archaeological reconnaissance has located no archaeological sites within the project area and it is recommended that the project be allowed to proceed as planned.

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

☐ The Phase Ia archaeological reconnaissance has determined that the project area is within 100 feet of a cemetery and a Cemetery Development Plan is required per IC-14-21-1-26.5.

Cemetery Name: None

Other Recommendations/Commitments: None

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

Attachments

☒ Figure showing project location within Indiana.

☒ USGS topographic map showing the project area *(1:24,000 scale)*.

☒ Aerial photograph showing the project area, land use and survey methods.

☒ Photographs of the project area.

☐ Project plans *(if available)*

Other Attachments: Legal Locations; Owner Names; Previously Recorded Archaeological Sites within 1.0 mi; Previously Recorded Archaeological Investigations within 1.0 mi; References Cited

References Cited: See attachment

Comments: None

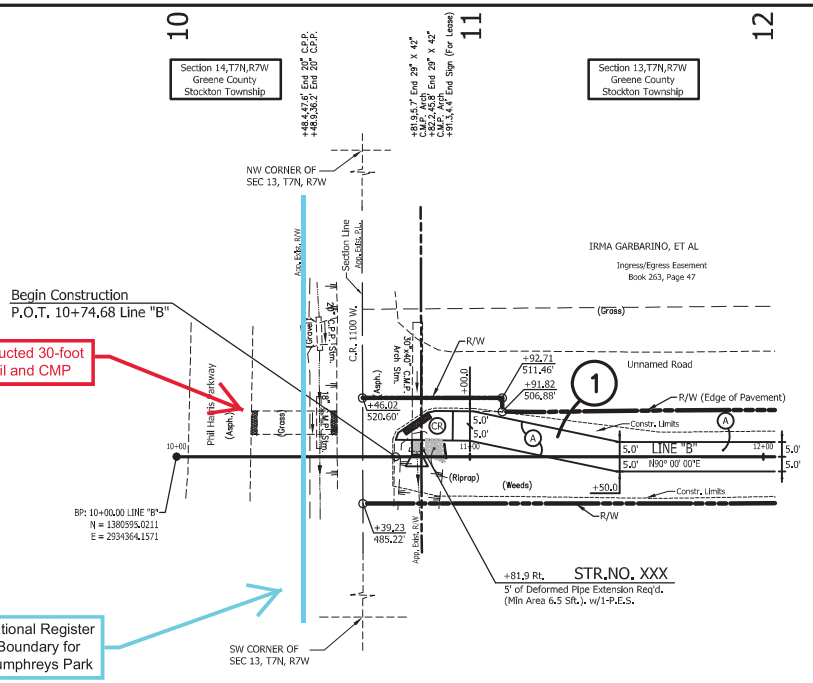
Curation

Curation Facility for Project Documentation: Cultural Resource Analysts, Inc., Evansville, Indiana

Section 106 800.11(e)

Appendix F

Preliminary Plans

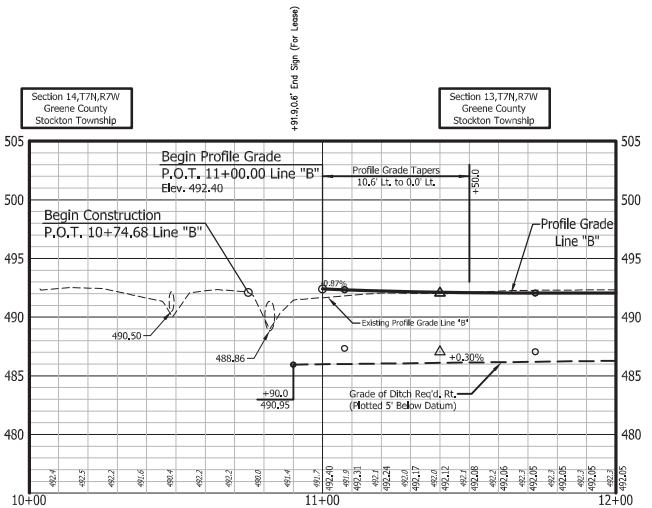


All R/W Described From Line "A" Except As Shown

All Existing Topography Described From Line "B"

Line "B" To Be Constructed

T.B.M. NO. 1	Railroad Spike Set In East Side Of Pwy. At NE Corner Of Park Road & West Entrance To Shopping Center Sta. 10+86.92 "A", 103.03' Lt. Elev. 492.71



LEGEND

- (A) HMA for sidewalk consisting of: 140 #/Syd HMA Surface, Type B, on 220 #/Syd HMA Intermediate Type B on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III
- (C1) PCCP for Approaches, 6" on Subgrade Treatment II
- (C2) PCCP for Approaches, 9" on Subgrade Treatment II
- (CR) Curb Ramp, Concrete
- (D1) HMA for Approaches: 165 #/Syd HMA Surface Type B on 385 #/Syd HMA Intermediate Type B on Subgrade Treatment Type II
- (D2) HMA for Approaches: 165 #/Syd HMA Surface Type B on 385 #/Syd HMA Intermediate Type B on 880 #/Syd HMA Base Type B on Subgrade Treatment Type II
- (F) Sidewalk, Concrete
- (P) HMA Patching, Type B (Variable Depth, Match Existing)
- (T) Asphalt Material for Tack Coat
- (14) Concrete Curb (Vertical)
- (15) Curb and Gutter, Concrete
- (26) Sodding (Nursery) W/Topsoil (4" As Req'd. Under Sodding)
- (27) Seed Mixture, U

(100) NORTH 1380630.9210
EAST 2934492.2420
BENCH TIE
SE SIDE PWP
70.01'
N.O.R.A.
CONTROL POINT
MAG NAIL SET

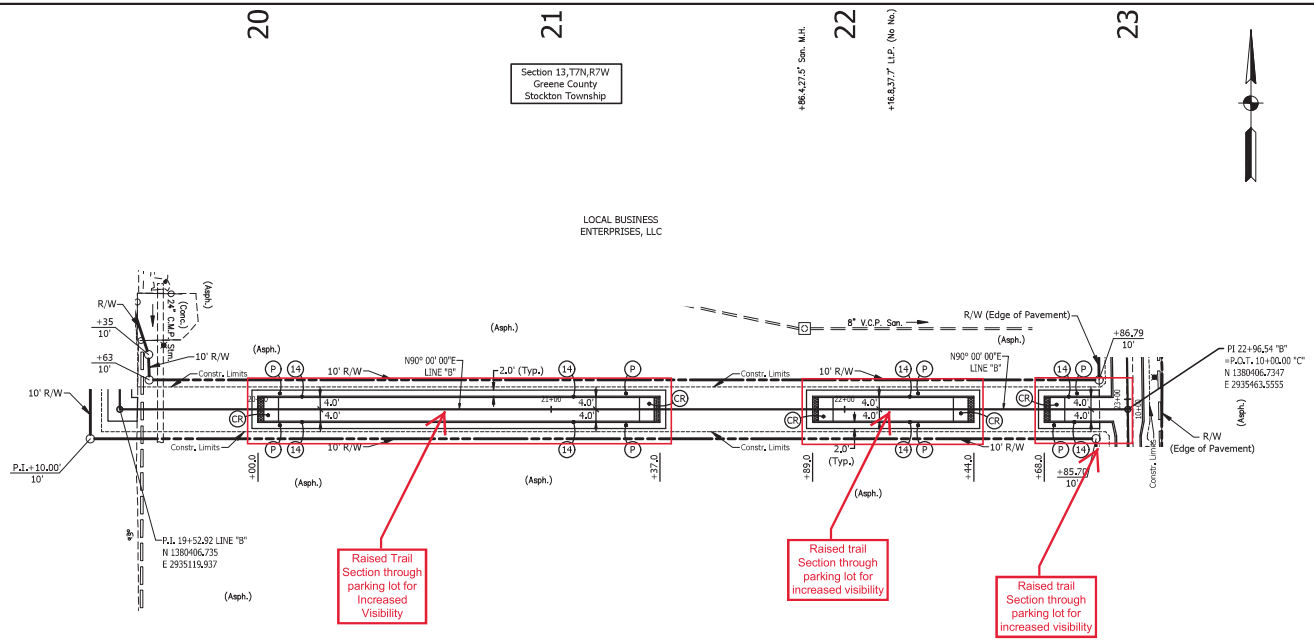
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

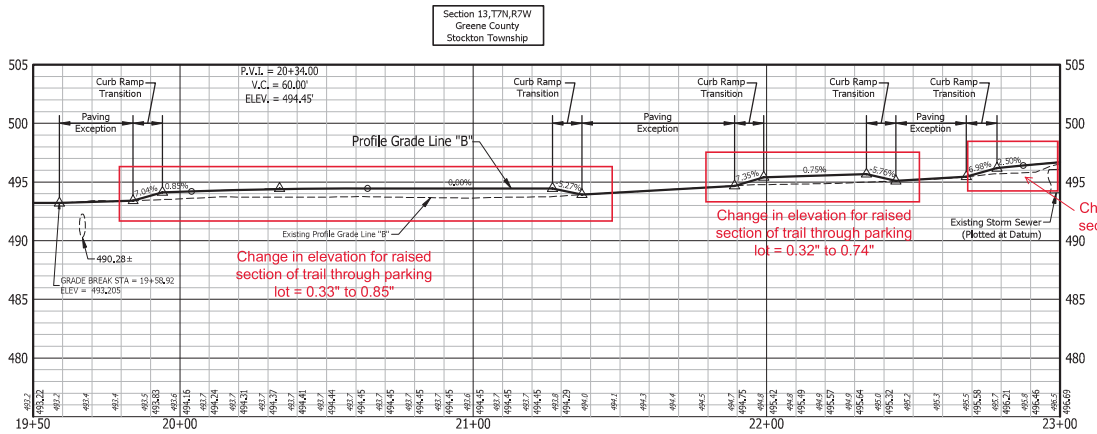
DESIGNED: C.E.S./B.M.S. DRAWN: J.F.H.
CHECKED: C.E.S./B.M.S. CHECKED: D.W.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEET
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1600759
SURVEY BOOK	SHEETS
N/A	7 of 50
CONTRACT	PROJECT
R-39849	1600759





All R/W Described From Line "B" Except As Shown

All Existing Topography Described From Line "B"

Line "B" To Be Constructed

NORTH 1380290.0560
EAST 2935306.2680

MAG NAIL IN PWP #55715

MAG NAIL IN PWP #823-6923

MAG NAIL IN PWP #37350

85.49'

64.60'

154.51'

CONTROL POINT
REBAR WITH CAP SET

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: C.E.S./B.M.S.

DRAWN: J.F.H.

CHECKED: C.E.S./B.M.S.

CHECKED: D.W.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEET
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1600759
SURVEY BOOK	SHEETS
N/A	10 of 50
CONTRACT	PROJECT
R-39849	1600759

Greene County Daily World
The Shopper

ADVERTISING INVOICE and STATEMENT

BILLED ACCOUNT NUMBER	BILLING DATE	TOTAL AMOUNT DUE	STATEMENT NUMBER
1250569	03/31/2020	$103.81	1610162

BILLING PERIOD	TERMS OF PAYMENT	PAYMENT DUE	PAGE #
03/01/2020 - 03/31/2020	Upon Receipt	04/29/2020	1 of 1

ADVERTISER NUMBER	ADVERTISER NAME
1250569	Lochmueller Group

CURRENT	31-60 DAYS	61-90 DAYS	91 DAYS AND UP
$103.81	$0.00	$0.00	$0.00

Gary Quigg
Lochmueller Group
3502 Woodview Trace, Suite 150
Indianapolis, IN 46268

Account Summary	
Previous Balance	$0.00
Payments on Account	$0.00
New Charges, Debits	$103.81
Credit Adjustments	$0.00
Finance Charges	$0.00
Total Amount Due	**$103.81**

DATE	NEWSPAPER REFERENCE	DESCRIPTION - OTHER COMMENTS / CHARGES	SAU SIZE BILLED UNITS	TIMES RUN RATE	NET AMOUNT
02/29/2020		**Previous Balance**			**0.00**
03/28/2020	Order #524937	LEGAL # 11534 Public Notice Des. Nos.	1 x 126 C	1	
		Legals			
	Classified	PO: DES NOS. 1600759	126 C	0.82389	
		Greene County Daily World			103.81
03/31/2020		**Balance Due**			**103.81**

PLEASE DETACH AND INCLUDE WITH YOUR PAYMENT

PAYMENT COUPON

STATEMENT NUMBER	BILLING DATE	TERMS OF PAYMENT	PAYMENT DUE	ADVERTISER NUMBER	ADVERTISER NAME
1610162	03/31/2020	Upon Receipt	04/29/2020	1250569	Lochmueller Group

Greene County Daily World
P.O. Box 509
Greencastle, IN 46135
(765) 653-5151

1250569
Gary Quigg
Lochmueller Group
3502 Woodview Trace, Suite 150
Indianapolis, IN 46268

TOTAL AMOUNT DUE	AMOUNT ENCLOSED
$103.81	

PUBLISHER'S AFFIDAVIT

State of Indiana)
) ss:
Greene County)

Personally appeared before me, a notary public in and for said county and state, the undersigned Rebecca Thompson who, being duly sworn, says that she is Legal Advertising Representative of the Greene County Daily World newspaper of general circulation printed and published in the English language in the (city) (town) of Linton in state and county afore-said, and that the printed matter attached hereto is a true copy, which was duly published in said paper for 1 time(s), the date of publication being as follows:

March 28, 2020, 2020.

The undersigned further states that the *Greene County Daily World* maintains an Internet website, which is located at www.gcdailyworld.com, and that a copy of the above referenced printed matter was posted on such website on the first date of publication set forth above.

Rebecca Thompson

Subscribed and sworn to before me this 28th day of March, 2020.

Notary Public

My commission expires:
01/08/2023

Amount Due: $103.81

Amount Paid: _____

Payment Method: _____

LEGAL # 11534

Public Notice

Des. Nos. 1600759

The City of Linton is planning to undertake a trail project, funded in part by the Federal Highway Administration (FHWA). The project is located from the Linton City Park (aka, Humphreys Park) to the Greene County General Hospital in Linton.

Under the preferred alternative, the proposed project would involve the construction of a multi-use trail from the Linton City Park near CR 1100 W to the Greene County General Hospital. In addition, another multi-use trail segment will extend east 0.08 mile, from where the trail heads north towards the hospital, to CR 1000 W (Lone Tree Road). Yet another segment of multi-use trail will extend 0.11 mile south-southwest from Lezlie Lane to tie into the primary trail route. The typical section will include an 8 to 10-foot paved trail with 2-foot shoulders. The length of the proposed trail is approximately 1.3 miles. Approximately 2.24 acres of permanent right-of-way (ROW) and 0.24 acre of temporary ROW will be required.

Properties listed in or eligible for the National Register of Historic Places (NRHP) located within the Area of Potential Effects (APE) include Humphreys Park. The proposed action impacts properties listed in or eligible for the NRHP. The Indiana Department of Transportation (INDOT), on behalf of the FHWA, has issued a "No Adverse Effect" finding for the project because the project will not diminish the integrity of the characteristics that qualify the historic properties within the APE for inclusion in the NRHP. 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)(2), the documentation specified in 36 CFR 800.11(e) is available for inspection in Lochmueller Groups office. Additionally, this documentation can be viewed electronically by accessing INDOT's Section 106 document posting website IN SCOPE at http://erms.indot.in.gov/Section106Documents. This documentation serves as the basis for the "No Adverse Effect" finding. The views of the public on this effect finding are being sought. Please reply with any comments to Hannah Blad, Lochmueller Group, 3502 Woodview Trace, Suite 150, Indianapolis, IN 46268, 317.334.6826, hblad@lochgroup.com no later than April 27, 2020.

In accordance with the "Americans with Disabilities Act", if you have a disability for which the City of Linton needs to provide accessibility to the document(s) such as interpreters or readers, please contact Tim Turpen at 812.847.7754 or at turpen@cityoflinton.com.

hspaxlp

DNR Indiana Department of Natural Resources

Eric Holcomb, Governor
Cameron F. Clark, Director

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

April 13, 2020

Hannah Blad
Lochmueller Group
3502 Woodview Trace, Suite 150
Indianapolis, Indiana 46268

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

Re: Indiana Department of Transportation's finding of "no adverse effect" on behalf of the Federal Highway Administration for the proposed Linton Multiuse Trail project in Linton, Stockton Township, Greene County, Indiana (Des. No. 1600759; DHPA No. 24041)

Dear Ms. Blad:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO" or "INDNR-DHPA") has reviewed your March 24, 2020 review request submittal form, which enclosed the aforementioned finding, with supporting documentation, all of which we received electronically March 24 and in hard copy March 27.

As previously indicated, for the purposes of the Section 106 review of this federal undertaking, we agree that there are no historic properties listed in the National Register of Historic Places ("NRHP") within the project's area of potential effects and that Humphreys Park (Indiana Historic Sites and Structures Inventory #055-362-27020) is the only historic property eligible for inclusion in the NRHP within the project's area of potential effects.

Also as previously indicated, based upon the submitted information and the documentation available to the staff of the Indiana SHPO, we have not identified any currently known archaeological resources listed in or eligible for inclusion in the NRHP within the proposed project area. As documented in the archaeological report (Curran, 2/20/2019), the majority of the proposed project area lies within areas previously disturbed. While there is a minor deviation in the current design of the project and what was covered by the archaeological report, it is our opinion that no further archaeological investigations appear necessary at this proposed project area.

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

Accordingly, we concur with INDOT's March 23, 2020, Section 106 finding of "No Adverse Effect" on behalf of FHWA for this federal undertaking.

The archaeological reviewer for this project on the Indiana SHPO staff is Beth McCord, and the structures reviewer is Danielle Kauffmann. However, if you have questions about our comments or about a procedural issue, please contact initially an INDOT Cultural Resources staff member who is assigned to this project.

In any future correspondence regarding the proposed Linton Multiuse Trail project in Linton, Stockton Township, Greene County, Indiana (Des. No. 1600759), please refer to DHPA No. 24041.

Very truly yours,

Chad W. Slider

Beth K. McCord
Deputy State Historic Preservation Officer

BKM:DMK:dmk

emc: Kari Carmany-George, FHWA
Anuradha Kumar, INDOT
Shaun Miller, INDOT
Susan Branigin, INDOT
Shirley Clark, INDOT
Anthony Ross, INDOT
Hannah Blad, Lochmueller Group
Gary Quigg, Lochmueller Group
Chad Costa, Lochmueler Group
Beth McCord, INDNR-DHPA
Danielle Kauffmann, INDNR-DHPA

Categorical Exclusion

Appendix E

Red Flag Investigation & Hazardous Materials

Date: April 4, 2019

To: Site Assessment & Management
Environmental Policy Office - Environmental Services Division
Indiana Department of Transportation
100 N Senate Avenue, Room N642
Indianapolis, IN 46204

From: Ruth Hook
3502 Woodview Trace, Suite 150
Indianapolis, Indiana
rhook@lochgroup.com

Re: RED FLAG INVESTIGATION
Des. No. 1600759, Local Project
Multi-Use Trail
From Linton City Park to Greene County General Hospital
Greene County, Indiana

PROJECT DESCRIPTION

Brief Description of Project: The City of Linton and the Federal Highway Administration (FHWA), with oversight by the Indiana Department of Transportation (INDOT), are proposing a 1.3 miles paved multi-use trail. The trail will extend from Phil Harris Parkway, east of the City of Linton Park, crossing CR 1100 W (Park Road), through the parking lot of the Linton Shopping Center, along the north side of State Road (SR) 54 (A Street NE), to its intersection with CR 1000 W (Lone Tree Road). In addition, a trail will be constructed from the Greene County General Hospital, south 0.13 mile to intersect with the trail. An additional arm of the trail will extend 0.11 mile south-southwest from Lezlie Lane to tie into the trail. The typical section will include an 8 to 10-foot paved path with 2-foot shoulders. An existing 30-inch by 40-inch corrugated metal pipe arch structure will be expanded underneath the trail on the east side of CR 1000 W.

Bridge and/or Culvert Project: Yes ☐ No ☒ Structure # _____

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

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

Proposed right of way: Temporary ☒ # Acres 0.02 Permanent ☒ # Acres 2.95

Type of excavation: Excavation is anticipated to occur to a maximum depth of 2-feet for the construction of the trail. There is anticipated to be 2 to 5-feet of excavation for the extension and moving of drainage structures. The location of proposed drainage structures can be seen in the attachments. There will be relocation and replacement of small signs that will require a typical post depth of 4-feet.

Maintenance of traffic: The MOT for this project is still under design. In general, there will be no roadway lane closures or detours required. For segments along SR 54, “construction ahead” signs and cones will likely be placed along the edge

of the roadway and flaggers will be utilized when necessary. Construction within the parking lot for the shopping center will require the reconfiguration of traffic movement through the parking lot. The MOT will be implemented per the *Indiana Design Manual*.

Work in waterway: Yes ☒ No ☐ Above 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	**6**	Recreational Facilities	**3**
Airports[1]	**N/A***	Pipelines	**3**
Cemeteries	**N/A**	Railroads	**1**
Hospitals	**1**	Trails	**1**
Schools	**N/A**	Managed Lands	**N/A**

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

Explanation:
Religious Facilities: Six (6) religious facilities are within the 0.5 mile search radius. Only one (1) of these facilities is mapped in the GIS layers. Three (3) facilities are located within or immediately adjacent to the project area. Linton Assembly of God and Trinity Lutheran are located on the south side of SR 54. The proposed project crosses the entrance for the First Baptist Church. Coordination with all three (3) religious facilities will occur.

Airports:* One (1) airport is mapped within the 3.8 miles radius. Though mapped as public, Morrison Flight Park, is a private airfield. No impact is expected.

Hospitals: Though not mapped in the GIS layers, one (1) hospital, Greene County General Hospital, is located adjacent to the northeastern portion of the trail connecting the hospital to the main trail. Therefore, no impact is expected to the hospital. However, coordination with the hospital will occur.

Recreational Facilities: Three (3) recreational resources are within the 0.5 mile search radius. The nearest facility, Linton City Park, is located immediately adjacent to the project area at the western terminus. Coordination with the City of Linton Parks and Recreation Department will occur.

Pipelines: Three (3) pipeline segments are located within the 0.5 mile search radius. One (1) pipeline segment is located adjacent to the eastern terminus of the project area. Coordination with Linton Municipal Gas Co. will occur.

Railroads: One (1) railroad segment is located with the 0.5 mile search radius. The railroad segment is associated with the Indiana Railroad Company and is located 0.49 mile south of the project area. No impact is expected.

Trails: One (1) trail segment is located within the 0.5 mile search radius. The trail, Mountain Bike Trails, is located 0.47 mile north 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	**33**
Canal Structures – Historic	**N/A**	Lakes	**27**
NPS NRI Listed	**N/A**	Floodplain - DFIRM	**8**
NWI-Lines	**3**	Cave Entrance Density	**N/A**
IDEM 303d Listed Streams and Lakes (Impaired)	**N/A**	Sinkhole Areas	**N/A**
Rivers and Streams	**4**	Sinking-Stream Basins	**N/A**

Explanation:
NWI – Points: One (1) NWI – Point is located within the 0.5 mile search radius, located 0.46 mile northwest of the project area. No impact is expected.

NWI – Lines: Three (3) NWI – Line segments are located within the 0.5 mile search radius. The nearest is located 0.25 mile west of the project area. No impact is expected.

Rivers and Streams: Four (4) stream segments are located within the 0.5 mile search radius. One (1) stream segment, unnamed tributary (UNT) to Beehunter Ditch, is located within the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

NWI – Wetlands: Thirty-three (33) NWI – Wetland polygons are located within the 0.5 mile search radius. The nearest is located 0.03 mile north of the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

Lakes: Twenty-seven (27) lakes are located within the 0.5 mile search radius. The nearest is located 0.2 mile north of the project area. No impact is expected.

Floodplain – DFIRM: Eight (8) floodplain polygons are located within the 0.5 mile search radius. The project area is located within one (1) of the floodplain polygons, at the westernmost portion of the project area. Coordination with the appropriate agency will occur.

URBANIZED AREA BOUNDARY SUMMARY

Explanation: This project lies within the City of Linton UAB; however, a Rule 13 permit from IDEM has not been issued. No further coordination is necessary at this time.

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	**2**	Mineral Resources	**N/A**
Mines – Surface	**1**	Mines – Underground	**N/A**

Explanation:
Petroleum Wells: Two (2) petroleum wells are located within the 0.5 mile search radius. The nearest is located 0.25 mile north of the project area. No impact is expected.

Mines – Surface: One (1) mine is located within the 0.5 mile search radius. The mine is located 0.2 mile north of the project area. No impact is expected.

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Superfund	**N/A**	Manufactured Gas Plant Sites	**N/A**
RCRA Generator/ TSD	**N/A**	Open Dump Waste Sites	**N/A**
RCRA Corrective Action Sites	**N/A**	Restricted Waste Sites	**N/A**
State Cleanup Sites	**N/A**	Waste Transfer Stations	**N/A**
Septage Waste Sites	**N/A**	Tire Waste Sites	**N/A**
Underground Storage Tank (UST) Sites	**1**	Confined Feeding Operations (CFO)	**N/A**
Voluntary Remediation Program	**N/A**	Brownfields	**1**
Construction Demolition Waste	**N/A**	Institutional Controls	**N/A**
Solid Waste Landfill	**N/A**	NPDES Facilities	**5**
Infectious/Medical Waste Sites	**N/A**	NPDES Pipe Locations	**1**
Leaking Underground Storage (LUST) Sites	**1**	Notice of Contamination Sites	**N/A**

Explanation:
Underground Storage Tank (UST) Sites: One (1) UST site is located within the 0.5 mile search radius. The site is located 0.11 mile southwest of the easternmost terminus of the project area. A review of documents available on IDEM's Virtual File Cabinet (VFC) indicated Nationwise Auto Parts #245, 1600 NE A Street (AID 20844) had one (1) 500-gallon waste oil UST removed in 1994. No signs of contamination were found during excavation and analytical testing revealed low level traces of petroleum hydrocarbons well below the IDEM action levels. No impact is expected.

Leaking Underground Storage (LUST) Sites: One (1) LUST site is located within the 0.5 mile search radius. The site is located 0.14 mile southwest of the project area. BP Food Mart #3 (AID 23547) is located at 1435 A Street NE. A review of documents available on IDEM's VFC indicated that soil and ground water contamination were identified in 1994 on the northwest and north-central portions of the property. The contaminants of concerns (COCs) were benzene, toluene, ethylbenzene, xylenes and methyltertiary-butyl ether (BTEX/MTBE). Maps indicate that the groundwater contamination plume extends under SR 54, into Linton City Park. On-site remediation was installed. On February 13, 2019, IDEM

completed a LUST Program Field report in response to a February 12, 2019 LUST complaint investigation. The report stated that liquid phase hydrocarbon (LPH) was found in two (2) monitoring wells located near the UST pit, and, a west adjoining property has been impacted by the release. IDEM stated that further site investigation will need to be conducted to determine the extent of contamination. A February 2019, 20 Day Free Product Recovery Report, submitted to IDEM, stated that most of the product appears to have stayed on the property beneath the concrete, except for one seep to the southwest of the property. The seep is being addressed by sorbent pads and booms. Groundwater flow is to the southeast. If excavation occurs in the contaminated area of Linton City Park, proper removal and disposal of soil and/or groundwater will be necessary.

Brownfields: One (1) brownfield is located within the 0.5 mile search radius. AM Risher Trucking Company, 1240 A Steet (AID 24878) is located 0.25 mile southwest of the project area. No impact is expected.

NPDES Facilities: Five (5) NPDES Facilities are located within the 0.5 mile search radius. One (1) facility is located 0.09 mile north of the project area. No impact is expected.

NPDES Pipe Location: One (1) NPDES Pipe is located within the 0.5 mile search radius. It is located 0.44 mile south of the project area. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

The Greene County listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities is attached with ETR species highlighted. A preliminary review of the Indiana Natural Heritage Database by INDOT Environmental Services did not indicate the presence of ETR species. 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 "Using the USFWS IPaC System for Listed Bat Consultation for INDOT Projects".

An inquiry using the USFWS Information for Planning and Consulting (IPaC) website did not indicate the presence of the federally endangered species, the Rusty Patch Bumble Bee, in or within 0.5 mile of the project area. No impact is expected.

RECOMMENDATIONS SECTION

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

INFRASTRUCTURE:

- Religious Facilities: Three (3) religious facilities are within or adjacent to the project area. Coordination with Linton Assembly of God, Trinity Lutheran, and First Baptist Church will occur.
- Hospitals: One (1) hospital, Greene County General Hospital, is located adjacent to the project area. Coordination will occur.
- Recreational Resources: One (1) recreational resource, Linton City Park, is located adjacent to the project area. Coordination with the City of Linton will occur.
- Pipelines: One (1) pipeline segment is located adjacent to the project area. Coordination with Linton Municipal Gas Co. will occur.

WATER RESOURCES:

The presence of the following resources will require the preparation of a Waters of the US Report and coordination with the appropriate agency, if applicable, will occur.

- One (1) Stream segment, UNT to Beehunter Ditch, is within the project area

- One (1) Wetland is located 0.03 mile north of the project area
- The project area is located within a floodplain. (Coordination only)

URBANIZED AREA BOUNDARY: N/A

MINING/MINERAL EXPLORATION: N/A

HAZMAT CONCERNS:

- LUST: One (1) LUST site, BP Food Mart #13 (AID 23547) at 1435 A Street NE, is located 0.14 mile southwest of the project area. A review of the IDEM VFC indicates that a plume of contaminated groundwater with the COCs BTEX/MTBE extends into the Linton City Park, which is adjacent to the project area. On February 13, 2019, IDEM completed a LUST Program Field report in response to a February 12, 2019 LUST complaint investigation. The report stated that liquid phase hydrocarbon (LPH) was found in 2 monitoring wells located near the UST pit, and, a west adjoining property has been impacted by the release. IDEM stated that further site investigation will need to be conducted to determine the extent of contamination. A February 2019, 20 Day Free Product Recovery Report, submitted to IDEM, stated that most of the product appears to have stayed on the property beneath the concrete, except for one seep to the southwest of the property. The seep is being addressed by sorbent pads and booms. Groundwater flow is to the southeast. If excavation occurs in this area, proper removal and disposal of soil and/or groundwater will be necessary.

ECOLOGICAL INFORMATION: Coordination with USFWS and IDNR will occur. The rangewide programmatic consultation for the Indiana bat and northern long-eared bat will be completed according to the "Using USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

INDOT Environmental Services concurrence: Marlene Mathas Digitally signed by Marlene Mathas Date: 2019.04.16 08:21:30 -04'00' (Signature)

Prepared by:

Ruth Hook

Ruth Hook
Environmental Biologist
Lochmueller Group, Inc.

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

URBANIZED AREA BOUNDARY: YES

MINING/MINERAL EXPLORATION: YES

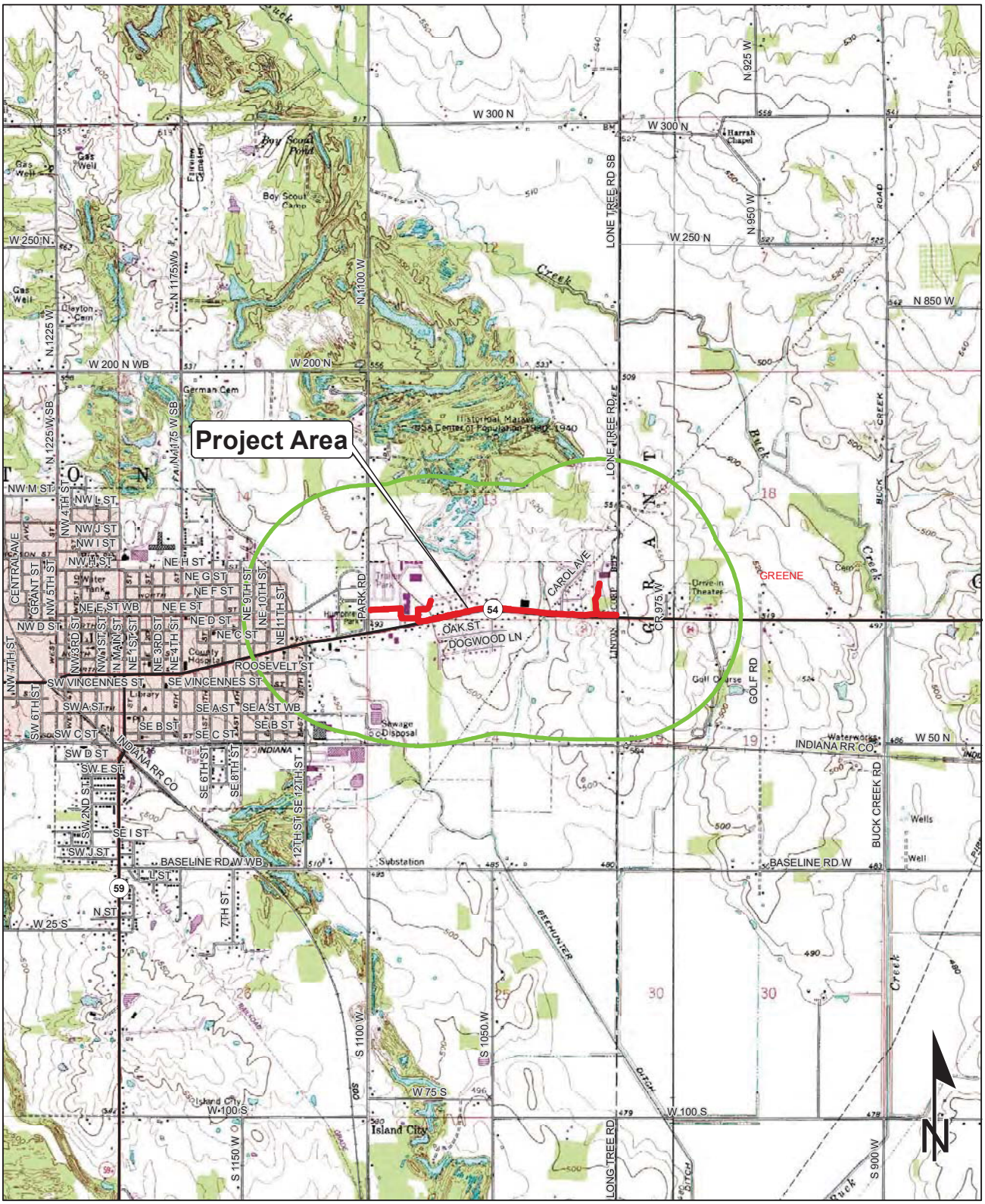
HAZMAT CONCERNS: YES

Additional Attachments:

Linton Trail Structure Location Map

GREENE COUNTY ENDANGERED, THREATENED, OR RARE SPECIES LIST

Red Flag Investigation - Site Location
Linton Multi-Use Trail - Linton City Park to Greene County General Hospital
Des. No. 1600759, Bike/Pedestrian Facilities
Greene County, Indiana

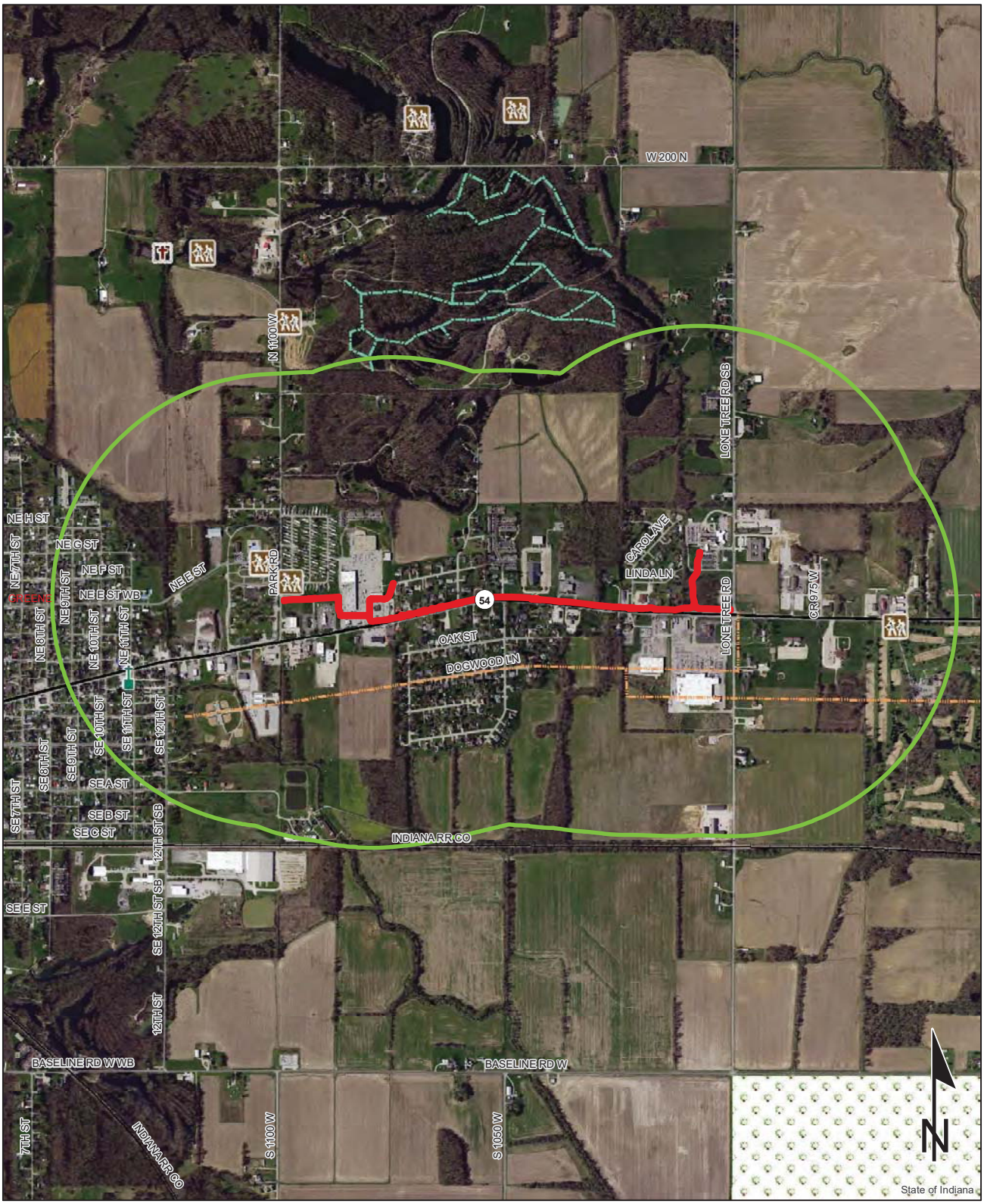


Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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

LINTON QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)

Red Flag Investigation - Infrastructure
Linton Multi-Use Trail - Linton City Park to Greene County General Hospital
Des. No. 1600759, Bike/Pedestrian Facilities
Greene County, Indiana



0.25 0.125 0 0.25 Miles

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

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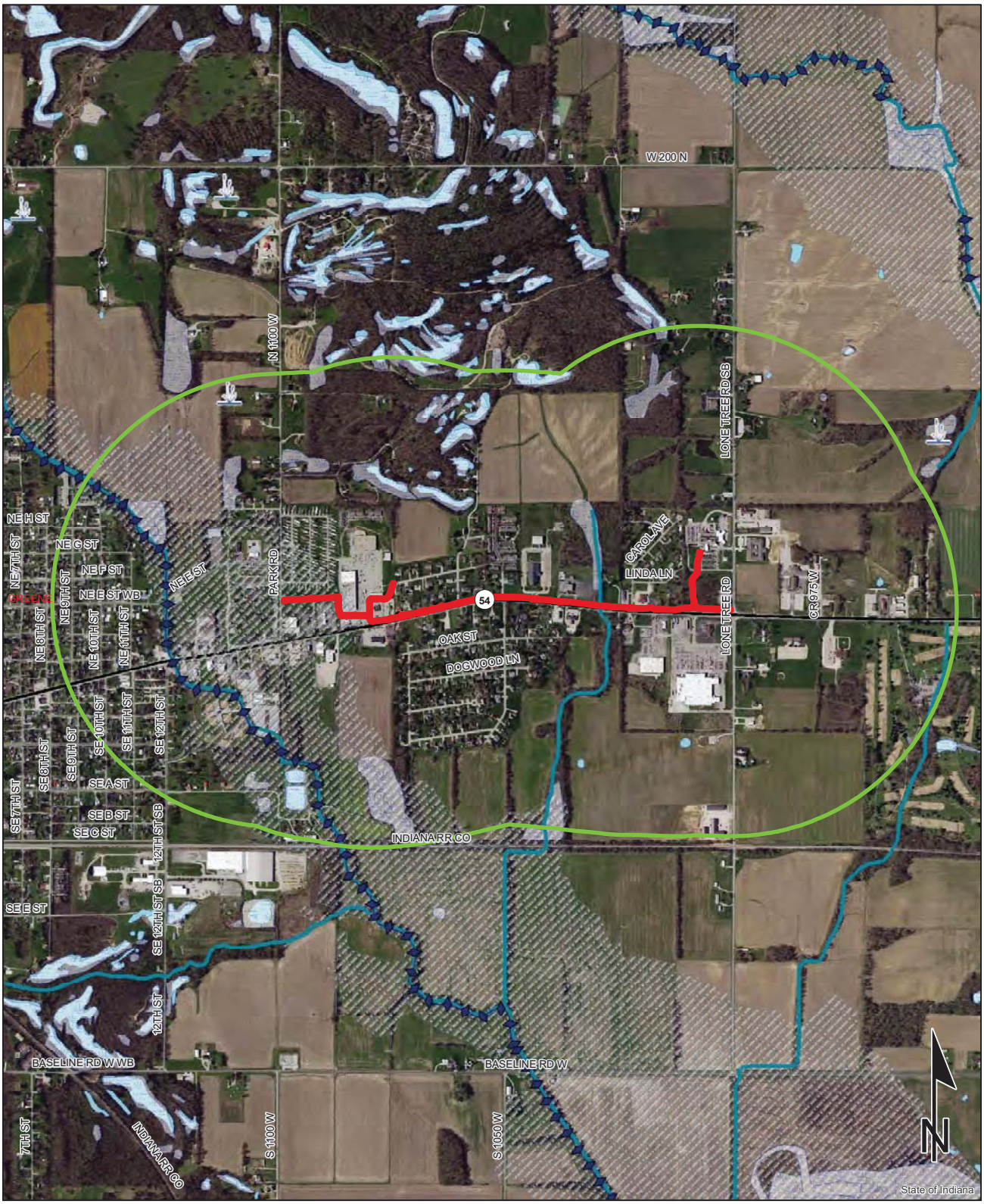
- Religious Facility
- Airport
- Cemeteries
- Hospital
- School
- Recreation Facility
- Pipeline
- Railroad
- Trails
- Managed Lands
- County Boundary
- Project Area
- Half Mile Radius
- Toll
- Interstate
- State Route
- US Route
- Local Road

Red Flag Investigation - Water Resources
Linton Multi-Use Trail - Linton City Park to Greene County General Hospital
Des. No. 1600759, Bike/Pedestrian Facilities
Greene County, Indiana



0.25 0.125 0 0.25 Miles

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

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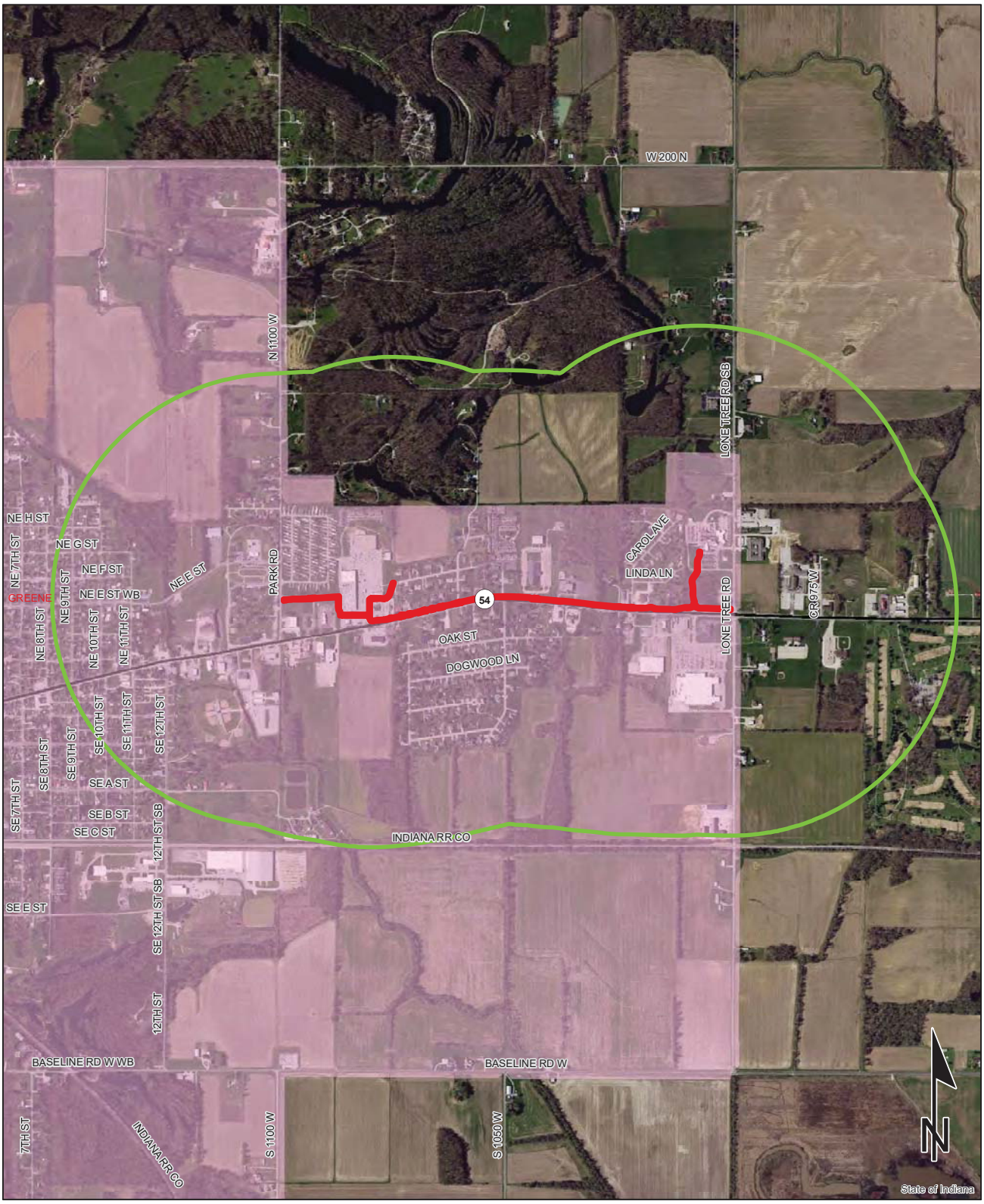
- NWI - Point
- Karst Spring
- NWI- Line
- Impaired_Stream_Lake
- NPS NRI listed
- River
- Canal Structure - Historic
- Canal Route - Historic
- Wetlands
- Lake
- Floodplain - DFIRM
- Cave Entrance Density
- Sinkhole Area
- Sinking-Stream Basin
- County Boundary
- Project Area
- Half Mile Radius
- Toll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

Red Flag Investigation - Urbanized Area Boundary
Linton Multi-Use Trail - Linton City Park to Greene County General Hospital
Des. No. 1600759, Bike/Pedestrian Facilities
Greene County, Indiana



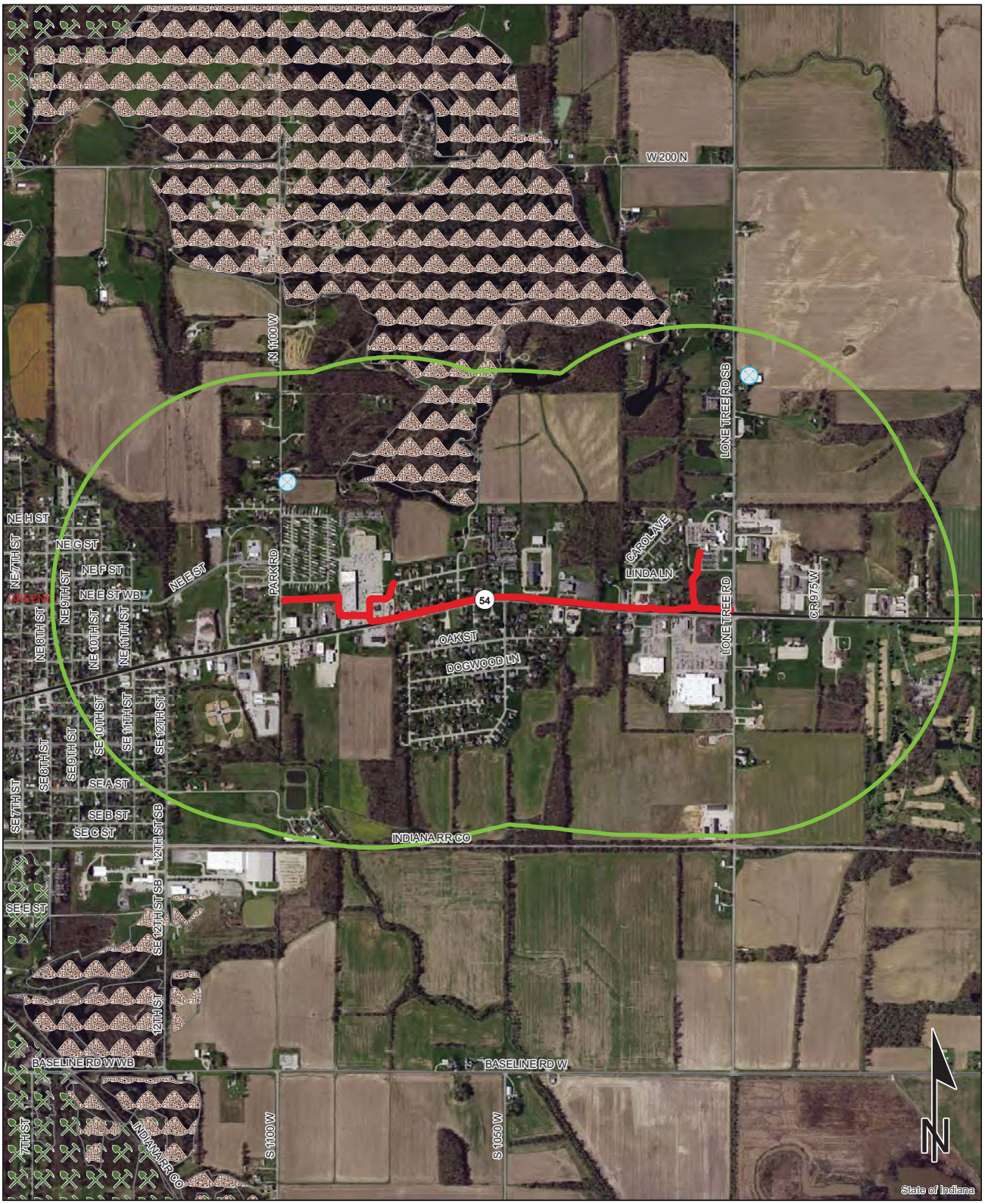
0.25 0.125 0 0.25 Miles

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.

UAB
County Boundary
Project Area
Half Mile Radius
Toll
Interstate
State Route
US Route
Local Road

Red Flag Investigation - Mining/Mineral Exploration
Linton Multi-Use Trail - Linton City Park to Greene County General Hospital
Des. No. 1600759, Bike/Pedestrian Facilities
Greene County, Indiana



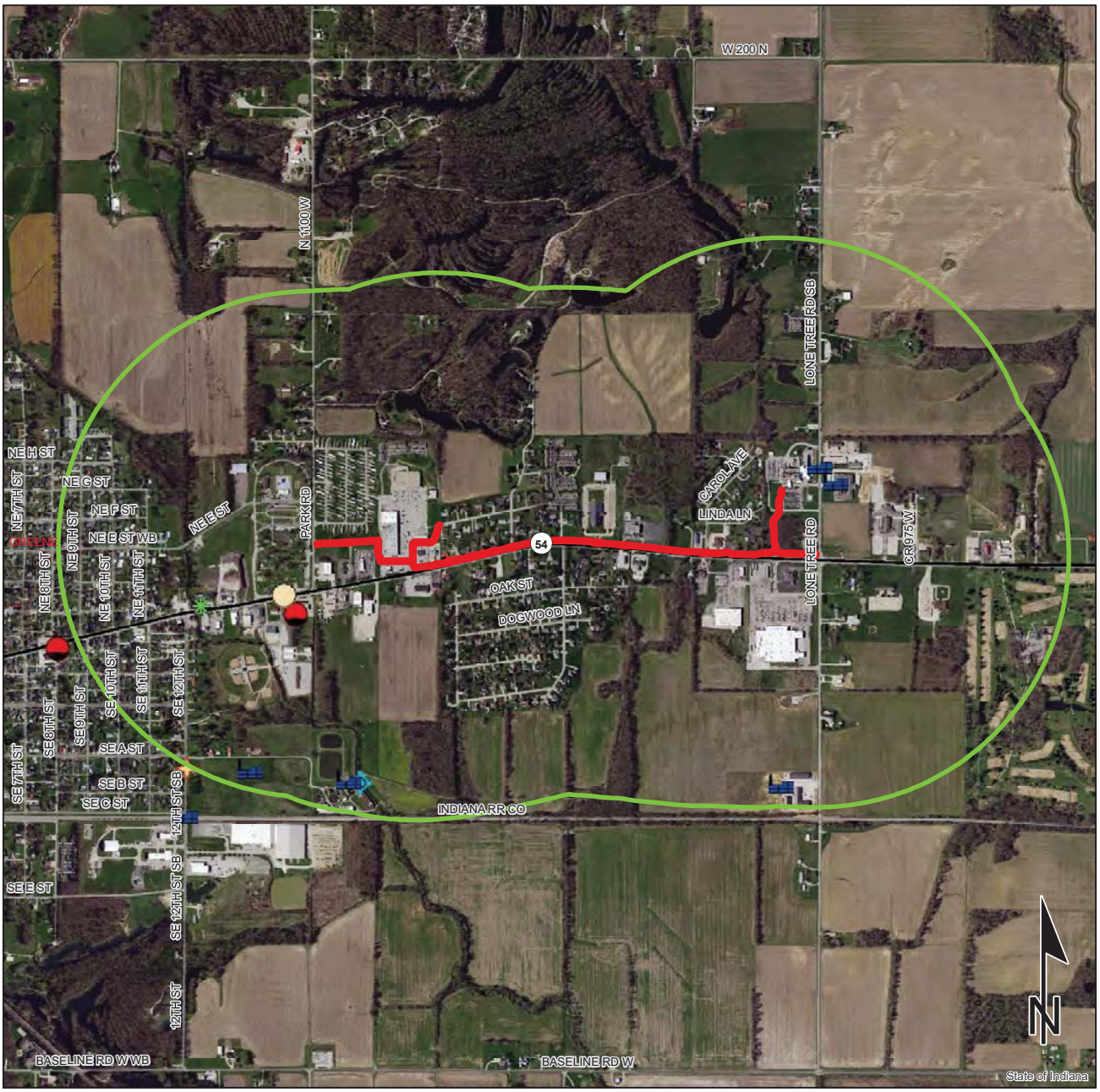
0.25 0.125 0 0.25 Miles

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 Materials Concerns
Linton Multi-Use Trail - Linton City Park to Greene County General Hospital
Des. No. 1600759, Bike/Pedestrian Facilities
Greene 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

0.25 0.125 0 0.25 Miles

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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

S:_2017\1117-0063\Enviro\Red Flag\RFI Graphics\LintonMultiUse_StructureLocations_RFI.mxd

LOCHMUELLER GROUP
3502 Woodview Trace, Suite 150
Indianapolis, IN 46268
Phone: (317) 222-3880
Fax: (317) 222-3881

N

Structure Location Map
Des. No. 16001759

County: Greene
Township: Stockton
State: Indiana
Created:4/4/2019, R. Hook

0 375 750
Feet

Legend

ProjectArea Proposed Structures

City of Linton - Multi-Use Trail
Linton City Park (Phil Harris Parkway) to
CR 1000 W & Green Co. Memorial Hospital

Indiana County Endangered, Threatened and Rare Species List

County: Greene

State ETR
Federal ETR

Species Name	Common Name	FED	STATE	GRANK	SRANK
Crustacean: Malacostraca					
Orconectes inermis testii	Troglobitic Crayfish		SR	G5T3	S3
Crustacean: Ostracoda					
Sagittocythere barri	Barr's Commensal Cave Ostracod		WL	G5	S3S4
Mollusk: Bivalvia (Mussels)					
Cyprogenia stegaria	Eastern Fanshell Pearlymussel	LE	SE	G1Q	S1
Epioblasma propinqua	Tennessee Riffleshell		SX	GX	SX
Epioblasma torulosa rangiana	Northern Riffleshell	LE	SE	G2T2	S1
Epioblasma torulosa torulosa	Tubercled Blossom	LE	SE	G2TX	SX
Epioblasma triquetra	Snuffbox	LE	SE	G3	S1
Fusconaia subrotunda	Longsolid	C	SE	G3	SX
Obovaria retusa	Ring Pink	LE	SX	G1	SX
Obovaria subrotunda	Round Hickorynut	C	SE	G4	S1
Pleurobema clava	Clubshell	LE	SE	G1G2	S1
Pleurobema cordatum	Ohio Pigtoe		SSC	G4	S2
Pleurobema plenum	Rough Pigtoe	LE	SE	G1	S1
Pleurobema pyramidatum	Pyramid Pigtoe		SE	G2G3	SX
Ptychobranchus fasciolaris	Kidneyshell		SSC	G4G5	S2
Quadrula cylindrica cylindrica	Rabbitsfoot	LT	SE	G3G4T3	S1
Villosa fabalis	Rayed Bean	LE	SE	G2	S1
Villosa lienosa	Little Spectaclecase		SSC	G5	S3
Insect: Lepidoptera (Butterflies & Moths)					
Cycnia inopinatus	The Unexpected Milkweed Moth		SR	G4	S2S3
Lesmone detrahens	A Moth		SR	G5	S2
Lethe anthedon	Northern Pearly-eye		SR	G5	S2S3
Insect: Odonata (Dragonflies & Damselflies)					
Enallagma divagans	Turquoise Bluet		SR	G5	S3
Hagenius brevistylus	Dragonhunter		SR	G5	S2S3
Insect: Tricoptera (Caddisflies)					
Diplectrona metaqui	A Diplectronan Caddisfly		ST	G4G5	S2
Fish					
Lepomis symmetricus	Bantam Sunfish		SE	G5	S1
Amphibian					
Acris blanchardi	Northern Cricket Frog		SSC	G5	S4
Lithobates areolatus circulosus	Northern Crawfish Frog		SE	G4T4	S2
Necturus maculosus	Common mudpuppy		SSC	G5	S2
Reptile					
Opheodrys aestivus	Rough Green Snake		SSC	G5	S3
Terrapene carolina carolina	Eastern 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: LE = Endangered; LT = 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; WL = watch list

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; G4 = 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: Greene

Species Name	Common Name	FED	STATE	GRANK	SRANK
Terrapene ornata ornata	Ornate Box Turtle		SE	G5T5	S1
Bird					
Ammodramus henslowii	Henslow's Sparrow		SE	G4	S3B
Ardea alba	Great Egret		SSC	G5	S1B
Asio flammeus	Short-eared Owl		SE	G5	S2
Botaurus lentiginosus	American Bittern		SE	G5	S2B
Buteo lineatus	Red-shouldered Hawk		SSC	G5	S3
Buteo platypterus	Broad-winged Hawk		SSC	G5	S3B
Chlidonias niger	Black Tern		SE	G4G5	S1B
Chordeiles minor	Common Nighthawk		SSC	G5	S4B
Circus hudsonius	Northern Harrier		SE	G5	S2
Cistothorus palustris	Marsh Wren		SE	G5	S3B
Cistothorus platensis	Sedge Wren		SE	G5	S3B
Gallinago delicata	Wilson's Snipe			G5	S1S2B
Gallinula galeata	Common gallinule		SE	G5	S3B
Grus americana	Whooping Crane	LE,XN	SE	G1	SNA
Haliaeetus leucocephalus	Bald Eagle		SSC	G5	S2
Ixobrychus exilis	Least Bittern		SE	G5	S3B
Lanius ludovicianus	Loggerhead Shrike		SE	G4	S3B
Limnodromus griseus	Short-billed Dowitcher		SSC	G5	S3M
Nyctanassa violacea	Yellow-crowned Night-heron		SE	G5	S2B
Nycticorax nycticorax	Black-crowned Night-heron		SE	G5	S1B
Pandion haliaetus	Osprey		SE	G5	S1B
Rallus elegans	King Rail		SE	G4	S1B
Sternula antillarum athalassos	Interior Least Tern	LE	SE	G4T2Q	S1B
Tringa melanoleuca	Greater Yellowlegs		SSC	G5	S3M
Tringa solitaria	Solitary Sandpiper		SSC	G5	S3M
Tyto alba	Barn Owl		SE	G5	S2
Wilsonia citrina	Hooded Warbler		SSC	G5	S3B
Mammal					
Lasiurus borealis	Eastern Red Bat		SSC	G3G4	S4
Lasiurus cinereus	Hoary Bat		SSC	G3G4	S4
Myotis austroriparius	Southeastern Bat		SSC	G4	SH
Myotis lucifugus	Little Brown Bat	C	SSC	G3	S2
Myotis septentrionalis	Northern Long Eared Bat	LT	SSC	G1G2	S2S3
Myotis sodalis	Indiana Bat or Social Myotis	LE	SE	G2	S1
Nycticeius humeralis	Evening Bat		SE	G5	S1
Perimyotis subflavus	Tricolored Bat		SSC	G2G3	S2S3
Taxidea taxus	American Badger		SSC	G5	S2
Vascular Plant					

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Indiana County Endangered, Threatened and Rare Species List

County: Greene

Species Name	Common Name	FED	STATE	GRANK	SRANK
Agalinis skinneriana	Pale False Foxglove		ST	G3G4	S1
Bacopa rotundifolia	Roundleaf Water-hyssop		ST	G5	S1
Carex bushii	Bush's Sedge		ST	G4	S1
Catalpa speciosa	Northern Catalpa		SR	G4?	S2
Chelone obliqua var. speciosa	Rose Turtlehead		WL	G4T3	S3
Clematis pitcheri	Pitcher Leather-flower		SR	G4G5	S2
Cyperus acuminatus	Short-point Flatsedge		WL	G5	S3
Cyperus pseudovegetus	Green Flatsedge		SR	G5	S2
Euphorbia obtusata	Bluntleaf Spurge		SE	G5	S1
Juglans cinerea	Butternut		WL	G4	S3
Liatris pycnostachya	Cattail Gay-feather		ST	G5	S2
Nothoscordum bivalve	Crow-poison		SR	G4	S2
Panax quinquefolius	American Ginseng		WL	G3G4	S3
Pinus strobus	Eastern White Pine		SR	G5	S2
Pinus virginiana	Virginia Pine		WL	G5	S3
Platanthera peramoena	Purple Fringeless Orchis		WL	G5	S3
Rudbeckia fulgida var. umbrosa	Coneflower		SE	G5T4T5	S1
Silene regia	Royal Catchfly		ST	G3	S2
Strophostyles leiosperma	Slick-seed Wild-bean		ST	G5	S2
Waldsteinia fragarioides	Barren Strawberry		SR	G5	S2
High Quality Natural Community					
Forest - upland dry Shawnee Hills	Shawnee Hills Dry Upland Forest			GNR	S2
Forest - upland dry-mesic Shawnee Hills	Shawnee Hills Dry-mesic Upland Forest			GNR	S3
Forest - upland mesic Shawnee Hills	Shawnee Hills Mesic Upland Forest			GNR	S3
Prairie - mesic	Mesic Prairie		SG	G2	S2
Other Significant Feature					
Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade	Water Fall and Cascade			GNR	SNR

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Indiana Department of Natural Resources
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Categorical Exclusion

Appendix F

Water Resources

Waters of the U.S. Determination Report
Linton Multi-Use Trail
Linton City Park to Greene Co. Hospital
City of Linton, Greene County, Indiana
Des. No. 1600759

April 27, 2020

Prepared By:

LOCHMUELLER GROUP
3502 Woodview Trace, Suite 150
Indianapolis, IN, 46268
Ph: 317-222-3880

Prepared For:

First Group
5925 Lakeside Blvd.
Indianapolis, Indiana 46278

Waters of the U.S. Determination Report
Linton Multi-Use Trail
Linton City Park to Greene Co. Hospital
City of Linton, Greene County, Indiana
Des. No. 1600759

Table of Contents

Tables

Attachments

Waters of the U.S. Determination Report
Linton Multi-Use Trail
Linton City Park to Greene Co. Hospital
City of Linton, Greene County, Indiana
Des. No. 1600759

Date of Waters Investigation
April 23 and June 13, 2019

Location
The project is located in west central Greene County, within the City of Linton, Indiana, along the north side of State Road 54 in Greene County, Indiana (Attachment A1).

- Greene County, Stockton Township, Indiana
- Sections 13 & 24, Township 7 North, Range 7 West
- Linton 1:24,000 United States Geological Survey (USGS) Quadrangle (Attachment A2 and A3)

Project Description
The City of Linton proposes to proceed with a federal-aid multi-use project in east central Greene County, Indiana. The proposed project will involve the construction of an 8 to 10 foot wide asphalt trail from City Park to Greene County Hospital and CR 1000 W. The maintenance of traffic will require lane restrictions through the work zone.

National Wetlands Inventory (NWI)
Based on the U.S. Fish and Wildlife National Wetlands Inventory (NWI) data (www.fws.gov/wetlands/Data/State-Downloads.html) there is one NWI wetland polygon mapped within the survey area (Attachment A5) and 25 mapped within 0.5 mile of the project. These are as follows:

- Two (2) riverine, intermittent, streambed, seasonally flooded (R4SBC) wetlands. One of these crosses the project area.
- Four (4) palustrine, forested, broad-leaved deciduous, temporary flooded (PFO1A) wetlands. The nearest is located 0.04 mile north of the project area.
- One (1) palustrine, scrub-shrub/emergent, persistent, temporary flooded (PSS/EM1A) wetland, located 0.42 mile south of the project area.
- Three (3) palustrine, emergent, persistent, temporary flooded (PEM1A) wetlands. The nearest is located 0.31 mile south of the project area.
- One (1) palustrine, emergent, persistent, seasonally flooded (PEM1C) wetland, located 0.39 mile south of the project area.
- Two (2) palustrine, unconsolidated bottom, artificially flooded (PUBK) wetlands. The nearest is located 0.39 mile south of the project area.
- Eight (8) palustrine, unconsolidated bottom, intermittently exposed, excavated (PUBGx) wetlands. The nearest is located 0.21 mile north of the project area.
- Two (2) palustrine, unconsolidated bottom, semi-permanently flooded, diked/impounded (PUBFh) wetlands. The nearest is located 0.45 mile north of the project area.
- Two (2) palustrine, unconsolidated bottom, intermittently exposed, diked/impounded (PUBGh) wetlands. The nearest is located 0.21 mile north of the project area.

Streams

HYDROGRAPHY_HIGHRES_FLOWLINE_NHD_USGS: Streams, Rivers, Canals, Ditches, Artificial Paths, Coastlines, Connectors, and Pipelines in Watersheds of Indiana (U. S. Geological Survey, 1:24,000, Line Shapefile) and the Linton 1:24,000 scale USGS topographic map indicate that there is one stream feature, UNT to Beehunter Ditch, within the Linton Multi-Use Trail Project (Attachments A2 and A3).

Soils

The Soil Survey Geographic (SSURGO) database for Greene County includes the following mapped soil series within the Linton Multi-Use Trail Project (Attachments A8-A12).

- **Peoga Silt loam (Pf):** This is nearly level, deep, poorly drained soil in on lake plains and low terraces. Slopes are 0 to 1 percent. Peoga silt loam is considered hydric with a hydric rating of 93.
- **Shakamak silt loam (ScA):** This is a very gently sloping, deep, somewhat poorly drained and moderately well drained soil on ridgetops and along drainageways. Most slopes are 100 to 300 feet and 1 to 3 percent. Shakamak silt loam is not considered hydric and has a hydric rating of 0.
- **Stendal silt loam (St):** This is a nearly level, deep, somewhat poorly drained soil on bottomlands and is subject to brief periods of flooding. Stendal silt loam is not considered hydric and has a hydric rating of 3.
- **Vigo silt loam (VgA):** This is a nearly level, deep, poorly drained soil on flats in the uplands. Vigo silt loam is not considered hydric and has a hydric rating of 3.

Hydrology

According to the Indiana Floodplain Information Portal, the project is located in a 100-year floodplain. The project does not cross a regulated floodway (http://dnrmaps.dnr.in.gov/appsphp/fdms/). The FEMA FIRMette can be found in the attachments on page A7. According to the USGS StreamStats Websites (https://water.usgs.gov/osw/streamstats/indiana.html) UNT 1 and UNT share a watershed with a drainage area of 0.396 square mile). UNTs 4 through 6 share a watershed with a drainage area of 0.374 square mile. UNT 3 is too small for StreamStats to delineate a watershed and it is assumed to be less than 0.01 square mile (Attachment A6).

Field Reconnaissance

Lochmueller Group conducted a field review for streams and wetlands within the survey area for the Linton Multi-Use Trail Project on April 23, 2019 and June 13, 2019. Six unnamed tributaries (UNTs) were identified and two wetland features were identified within the investigation area. One negative data point was taken where wetland hydrology was present. Identified features from the field reconnaissance can be seen in Attachments A14 to A43.

Wetland Analysis

Wetland determinations were conducted in accordance with the *U.S. Army Corps of Engineers Wetland Delineation Manual* (1987) and the *Regional Supplement of the Corps of Engineers Wetland Delineation Manual: Midwest Region 2.0* (2010). The April and June 2019 field investigations resulted in the identification of two wetlands. One negative data point was taken.

Wetland 1: Wetland 1 is a palustrine, emergent (PEM) wetland according to the classifications defined by Cowardin *et. al.* (1979) and is 0.22 acre in size. Wetland 1 is located in a low-lying area between the unnamed roadway, driveway, and parking lot. Field investigations occurred after an unusually wet spring and that is likely to have influenced the hydrology within the wetland. The topography surrounding Wetland 1 conveys drainage water from the roadway, driveway, and parking lot into the wetland and therefore, is likely an incidental feature. Wetland 1 lacks connectivity to a Traditionally Navigable Waterway (TNW) or its tributaries and therefore would be considered an isolated wetland.

1D1: This data point was taken along the roadside between Wetland 1 and the embankment for the unnamed roadway. Vegetation was limited to the herbaceous stratum and was dominated by red fescue (*Festuca rubra,* FACU), alsike clover (*Trifolium hybridum*, FACU), and common plantain (*Plantago major,* FAC). The data point had a dominance less than 50% and therefore failed to meet hydrophytic vegetation requirements. Soil within a pit excavated to a depth of 18 inches were loamy/clayey and had a profile that entirely consisted of 2.5Y 4/1 (97%) with 5YR 3/4 (3%) concentrations on the pore linings. No fill material from the roadway was encountered. This soil profile meets the Depleted Matrix (F3) hydric soil indicator. Saturation was present at 17 inches below surface and ground water was encountered at 18 inches. No primary or secondary indicators of wetland hydrology were present. This data point failed to meet hydrophytic vegetation and wetland hydrogeology criterion and therefore can be considered upland. The data form prepared for this data point is included as Attachments A44 to A45.

1W1: This data point was taken in a low area between a parking lot and the embankment for the unnamed roadway. Vegetation was limited to the herbaceous stratum. Dominant species included Frank's sedge *Carex frankii*, OBL), crested sedge (*Carex cristatella*, FACW), fox sedge (*Carex vulpinoidea*, FACW), alsike clover (*Trifolium hybridum*, FACU), and tall fescue (*Schedonorus arundinaceus*, FACU). Other species present include Kentucky bluegrass (*Poa pratensis*, FAC), meadow buttercup (*Ranunculus acris*, FAC), and dark green bulrush (*Scirpus atrovirens*, OBL). Vegetation had a dominance greater than 50% and therefore met the hydrophytic vegetation criteria. Soils within a pit excavated to a depth of 19 inches were loamy/clayey and had a profile that entirely consisted of 2.5Y 4/1 (95%) with 5YR 3/4 (5%) concentrations on the pore linings. The soil profile meets the Depleted Matrix (F3) hydric soil indicator. Saturation was present at 2 inches below the surface and ground water was encountered at 16 inches below the surface. This data point met the Saturation (A3) primary indicator and the FAC-Neutral Test (D5) secondary indicator. Therefore, wetland hydrology is present. All three wetland criterion were met and therefore this data point can be considered to be within a wetland. The data form prepared for this data point is included as Attachments A47 to A48.

Wetland 2: Wetland 2 is a palustrine, emergent (PEM) wetland according to the classifications defined by Cowardin *et. al.* (1979) and is 0.02 acre in size. Wetland 2 is located in a maintained area between parking lots and the unnamed roadway. Field investigations occurred after an unusually wet spring and that is likely to have influenced the hydrology within the wetland. The topography surrounding Wetland 2 conveys drainage water from the roadway and parking lots into the wetland and therefore, is likely an incidental feature. Wetland 2 lacks connectivity to a Traditionally Navigable Waterway (TNW) or its tributaries and therefore would be considered an isolated wetland.

2D1: This data point was taken in a maintained grass of the lawn/roadside for the unnamed roadway and the adjacent parking lot. Vegetation was limited to the herbaceous stratum and the dominant species

included red fescue (*Festuca rubra*, FACU) and alsike clover (*Trifolium hybridum*, FACU). This data point had a dominance less than 50% and therefore failed to meet hydrophytic vegetation requirements. Soils within a pit excavated to a depth of 18 inches were loamy/clayey and had a profile that entirely consisted for 2.5Y 4/1 (95%) with 5YR 3/4 (5%) concentrations on the pore linings. The soil profile meets the Depleted Matrix (F3) hydric soil indicator. Ground water was encountered at 16 inches below the surface. No primary or secondary indicators of wetland hydrology were present. This data point failed to meet hydrophytic vegetation and wetland hydrology criterion and therefore can be considered upland. The data form prepared for this data point is included as Attachments A50 to A51.

2W1: This data point was taken in a sparsely vegetated area that collects drainage from the unnamed roadway and parking lot. Vegetation was 80% bare ground and limited to the herbaceous stratum. The dominant species was blunt spikerush (*Eleocharis obtusa*, OBL). Other species present include alsike clover (*Trifolium hydridum*, FACU), Frank's sedge (*Carex frankii*, OBL), common plantain (*Plantago major*, FAC), and Amur honeysuckle (*Lonicera maackii*, UPL). Dominance was greater than 50% and therefore this data point meets the hydrophytic vegetation criteria. Soils within a pit excavated to depth of 18 inches were loamy/clayey and had a profile that entirely consisted of 2.5Y 4/1 (95%) with 5YR 3/4 (5%) concentrations on the pore linings. The soils were difficult to excavate due to the saturation and high ground water. The soil profile meets the Depleted Matrix (F3) hydric soil indicator. The soils were saturated at the surface and ground water was present 6 inches below the surface. Two primary indicators, Saturation (A3) and High Water Table (A2), and one secondary, FAC-Neutral Test (D5), of wetland hydrology were observed. The data point met all three wetland criterion and therefore can be considered to be within a wetland. The data form prepared for this data point is included as Attachments A53 to A54.

Table 1: Wetland Summary

Wetland	Photos	Lat/Long	Type	Total Area (Acres)	Quality	Water of the U.S.?
Wetland 1	9-11	39.0388° -87.1460°	PEM	0.22	Poor	No
Wetland 2	11, 13	39.0387° -87.1455°	PEM	0.02	Poor	No

Negative Data Point

One negative data point was taken within the forested area south of Greene County General Hospital where hydrology indicators were observed.

3N1: This data point was taken within a forested area with a slight slope and signs of wetland hydrology. Dominant vegetation in the tree stratum consisted of shagbark hickory (*Carya ovata,* FACU) and shingle oak (*Quercus imbricaria*, FACU). The herbaceous stratum was dominated by spring beauty (*Claytonia virginica*, FACU) and red fescue (*Festuca rubra*, FACU). Vegetation at this data point was dominated by FACU species and therefore the hydrophytic vegetation indicator was not met. Soil within a pit excavated to a depth of 17 inches with shovel refusal occurring at 17 inches due to the presence of large roots. The soils were loamy/clayey with a profile of: 0-2 inches 10YR 3/1 (100%), 2-6 inches 10YR 4/2 (90%) with 10YR 4/6 (10%) concentrations on the pore linings and matrix, 6-12 inches 10YR 5/5 (95%) with 10YR 5/1 (5%) concentrations on the matrix, and 12-17 inches 10YR 5/6 (98%) 10YR 5/1 (5%) concentrations on the matrix. This soil profile meets the Depleted Below Dark Surface (A11) and the Depleted Matrix (F3) hydric

soil indicators. The data point met the Saturation (A3) hydrology indicator. Saturation was present at 12 inches below the surface. The water table was present at 16 inches below the surface and 4 inches of water filled the hole during the investigation. Data point 3N1 failed to meet the criteria for hydrophytic; therefore, can be considered upland. The data form prepared for this data point is included as Attachments A56 to A57.

Table 2: Wetland Data Point Summary

Data Point	Hydrophytic vegetation?	Hydric soils?	Hydrology Indicators?	Wetland
1D1	No	Yes	No	No
1W1	Yes	Yes	Yes	Yes
2D1	No	Yes	No	No
2W1	Yes	Yes	Yes	Yes
3N1	No	Yes	Yes	No

Stream Analysis

The April and June 2019 field investigations for the Linton Multi-Use Trail Project resulted in the evaluation of six jurisdictional streams, UNT 1 through UNT 6 to Beehunter Ditch.

UNT 1 to Beehunter Ditch

UNT 1 is a stream feature that flows north to south along the west side of CR 1100 W. UNT 1 is an ephemeral feature characterized by a narrow and shallow channel. UNT 1 is not mapped as a blue line on the Linton USGS Quadrangle. UNT 1 has a muck/detritus substrate with no riffles or pools present. The ordinary high water mark (OHWM) was 3 feet 10 inches wide by 4.25-inches deep at the time of the field investigation. This resource is a poor quality, ephemeral resource based on the substrate, flow regime, and constructed nature. UNT 1 would be considered a jurisdictional resource due to its connectivity to the White River, a traditionally navigable waterway (TNW) via Beehunter Ditch and Black Creek. Pictures of UNT 1 can be seen on pages A14 to A43.

UNT 2 to Beehunter Ditch

UNT 2 is a stream feature that flows north to south along the east side of CR 1100 W. UNT 2 is an ephemeral feature characterized by a narrow and shallow channel. UNT 2 is not mapped as a blue line on the Linton USGS Quadrangle. UNT 2 has a muck/sand substrate with no riffled or pools present. The OHWM was 3 feet 8 inches wide by 6-inches deep at the time of the field investigation. This resource is a poor quality, ephemeral resource based on the substrate, flow regime, and constructed nature. UNT 2 would be considered a jurisdictional resource due to its connectivity to the White River, a TNW via Beehunter Ditch and Black Creek. Pictures of UNT 2 can be seen on pages A14 to A43.

UNT 3 to Beehunter Ditch

UNT 3 is a stream feature that flows west to east along the north side of A Street. UNT 3 is an ephemeral feature characterized by a narrow and shallow channel that begins at the outlet of a culvert under Meadow Lane. UNT 3 is not mapped as a blue line on the Linton USGS Quadrangle. UNT 3 has a muck/detritus substrate with no riffles or pools present. The OHWM was 1 foot 6 inches wide by 1-inch deep at the time of the field investigation. This resource is a poor quality, ephemeral resource based on

the substrate, flow regime, and constructed nature. UNT 3 would be considered a jurisdictional resource due to its connectivity to the White River, a TNW via Beehunter Ditch and Black Creek. Pictures of UNT 3 can be seen on pages A14 to A43.

UNT 4 to Beehunter Ditch

UNT 4 is a stream feature that flows from north to south within the survey area. UNT 4 is an intermittent feature characterized by a wide, shallow channel with steep vegetated banks. UNT 4 is mapped as a blue line on the Linton USGS Quadrangle. UNT 4 has a riprap, sand, and silt substrate with minor occurrence of pools and riffles. The OHWM was 9-feet wide by 1 foot 2 inches deep at the time of the field investigation. This resource is a good quality, perennial resource based on the flow regime and the presence of pools. UNT 4 would be considered a jurisdictional resource due to its connectivity to the White River, a TNW via Beehunter Ditch and Black Creek. Pictures of UNT 4 can be seen on pages A14 to A43.

UNT 5 to Beehunter Ditch

UNT 5 is a stream feature that flows east to west along the north side of A Street. UNT 3 is an ephemeral feature characterized by a narrow and shallow channel that begins at the outlet of a culvert under a private drive. UNT 5 is not mapped as a blue line on the Linton USGS Quadrangle. UNT 5 has a riprap, sand, and gravel substrate with no riffles or pools present. The OHWM was 4-feet 1-inch wide by 1-foot deep at the time of the field investigation. This resource is a poor quality, ephemeral resource based on the substrate, flow regime, and constructed nature. UNT 5 would be considered a jurisdictional resource due to its connectivity to the White River, a TNW via Beehunter Ditch and Black Creek. Pictures of UNT 5 can be seen on pages A14 to A43.

UNT 6 to Beehunter Ditch

UNT 6 is a stream feature that flows northeast to southwest within a wooded area between A Street and the Greene County Hospital. UNT 4 is an ephemeral feature characterized by a narrow and shallow channel that begins at the outlet of a culvert. UNT 6 is not mapped as a blue line on the Linton USGS Quadrangle. UNT 6 has a detritus substrate with no riffles or pools present. The OHWM was 1-foot 6-inches wide by 1-inch deep at the time of the field investigation. This resource is a poor quality, ephemeral resource based on the substrate and flow regime. UNT 6 would not be considered a jurisdictional resource due to lack of connectivity to any jurisdictional waters. Pictures of UNT 6 can be seen on pages A14 to A43.

Table 3: Stream Summary Table

Stream	Photos	Lat/Long	OHWM	USGS Blueline?	Substrate	Quality	Water of the U.S.?
UNT 1	2, 3	39.0390° -87.1479°	3’ 8” wide X 4.25” deep	No	Muck, Detritus	Poor	Yes
UNT 2	4, 5, 6	39.0389° -87.1478°	3’ 10” wide x 6” deep	No	Sand, Muck	Poor	Yes
UNT 3	29, 30, 31, 32, 33	39.0388° -87.1384°	1’ 6” wide x 1” deep	No	Muck, Detritus	Poor	Yes
UNT 4	36	39.0387° -87.1348°	9’ wide x 1’ 2” deep	Yes	Riprap, Sand, Silt	Good	Yes
UNT 5	38, 39, 40, 41	39.0386° -87.1345°	4’ 1” wide x 1’ deep	No	Riprap & Sand/Gravel	Poor	Yes
UNT 6	49, 50	39.0388° -87.1310°	1’ 6” wide x 1” deep	No	Detritus	Poor	No

Conclusions

The April and June 2019 field investigations for the City of Linton Multi-Use Trail Project identified six stream features, UNT 1 through UNT 6 to Beehunter. Two isolated wetland features were identified. UNT 6 is not likely to be considered a jurisdictional due to lack of connectivity to a TNW. UNTs 1, 2, 3, 4, and 5 would be considered jurisdictional due to connectivity to the White River, a TNW via Beehunter Ditch.

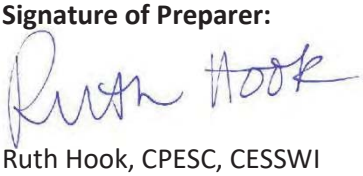
Every effort should be taken to avoid and minimize the impacts to the water resources listed above. Disturbance of a wetland or stream could result in a mitigation requirement to secure the required permits for the multi-use trail project. If construction exceeds the limits of the survey review area illustrated in this document, further field investigation will be needed. This report is this office’s best judgment of water resources that are likely to be under federal jurisdiction, based on the guidelines set forth by the USACE. The final determination of jurisdictional waters is ultimately the responsibility of the USACE.

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

Preparers

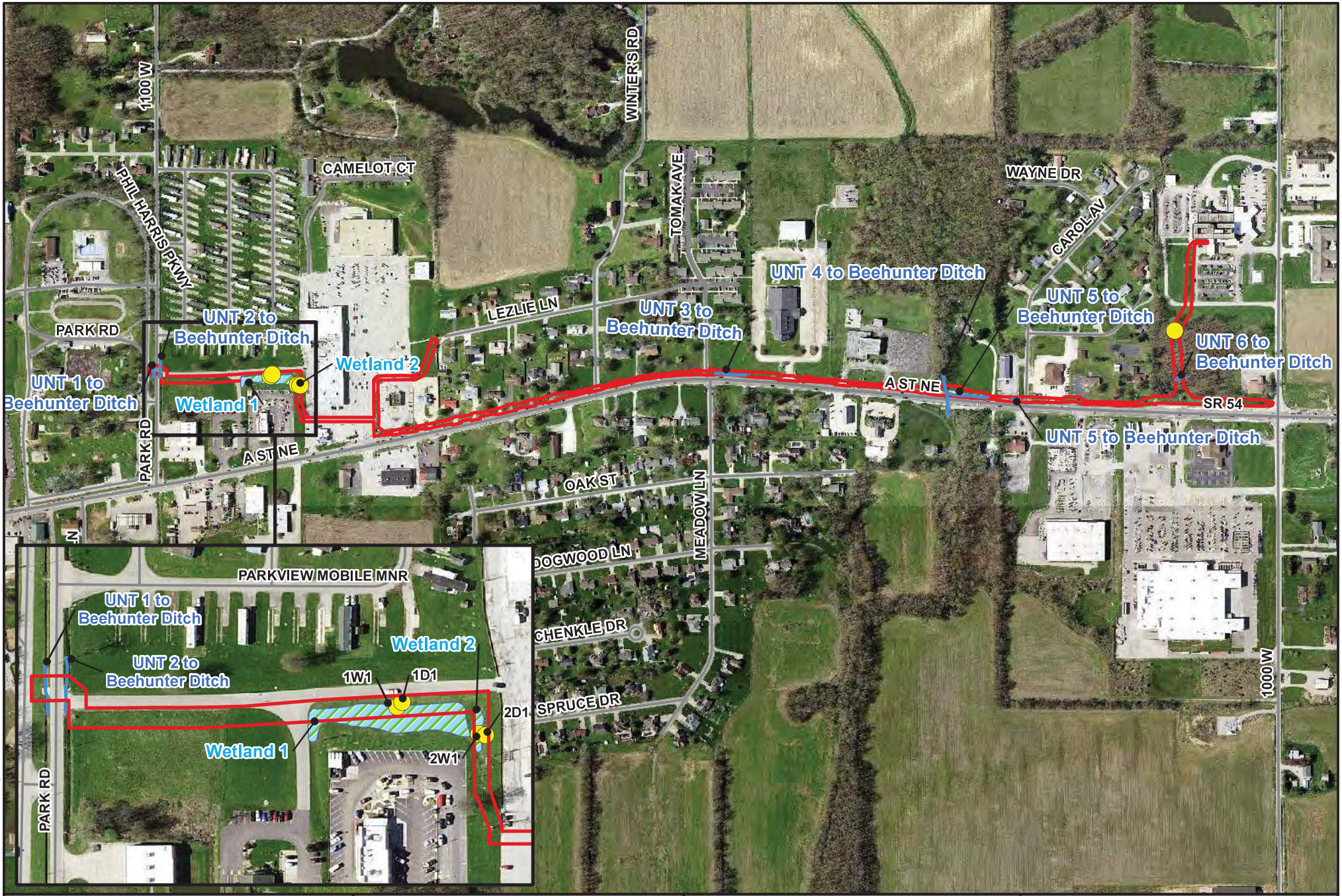
Lochmueller Group, Inc. Staff	Position	Contributing Effort
Ruth Hook, CPESC, CESSWI	Environmental Biologist	Field Data Collection Report Preparation

Signature of Preparer:



Ruth Hook, CPESC, CESSWI

ATTACHMENTS



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Water Resources Map

Des. No. 1600759

Waters of the U.S. Report

0 300 600 Feet

N

County: Greene
Township: Stockton
State: Indiana

Linton Multi-Use Trail
City of Linton
Created:6/24/2019, R. Hook

Legend

- Investigation Area
- Streams
- Streets
- Wetlands
- Data Points

S:_2017\117-0063\EnviroWaters\Attachments\mxds\Linton Trail_DelineatedFeatures.mxd

U.S. Fish and Wildlife Service

National Wetlands Inventory

Linton Multi-Use Trail - Des. No. 1600759

April 29, 2019

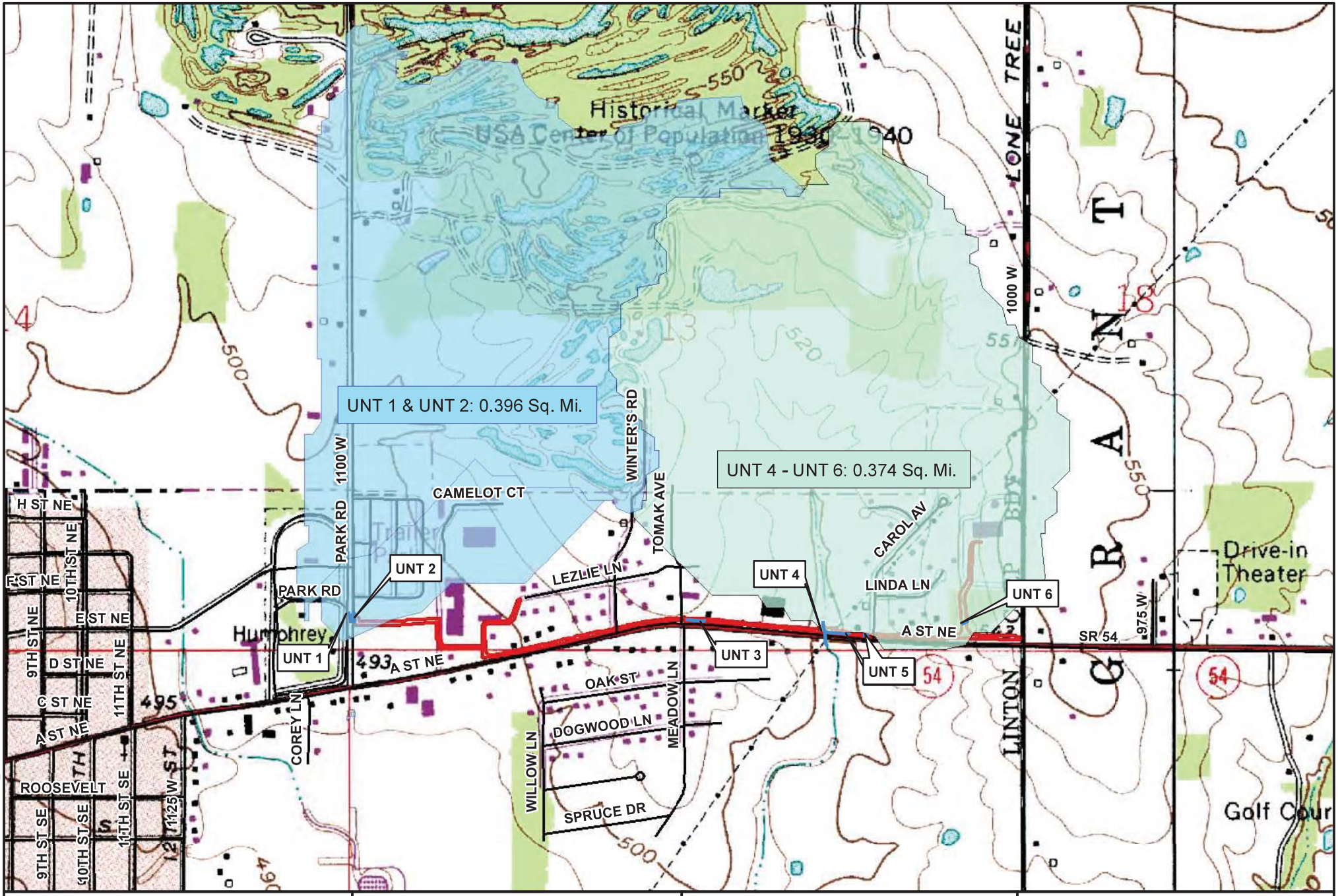
Wetlands

- Estuarine and Marine Deepwater!
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

N

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper



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StreamStats Map

Des. No. 1600759

Waters of the U.S. Report

0 500 1,000 Feet

N

County: Greene
Township: Stockton
State: Indiana

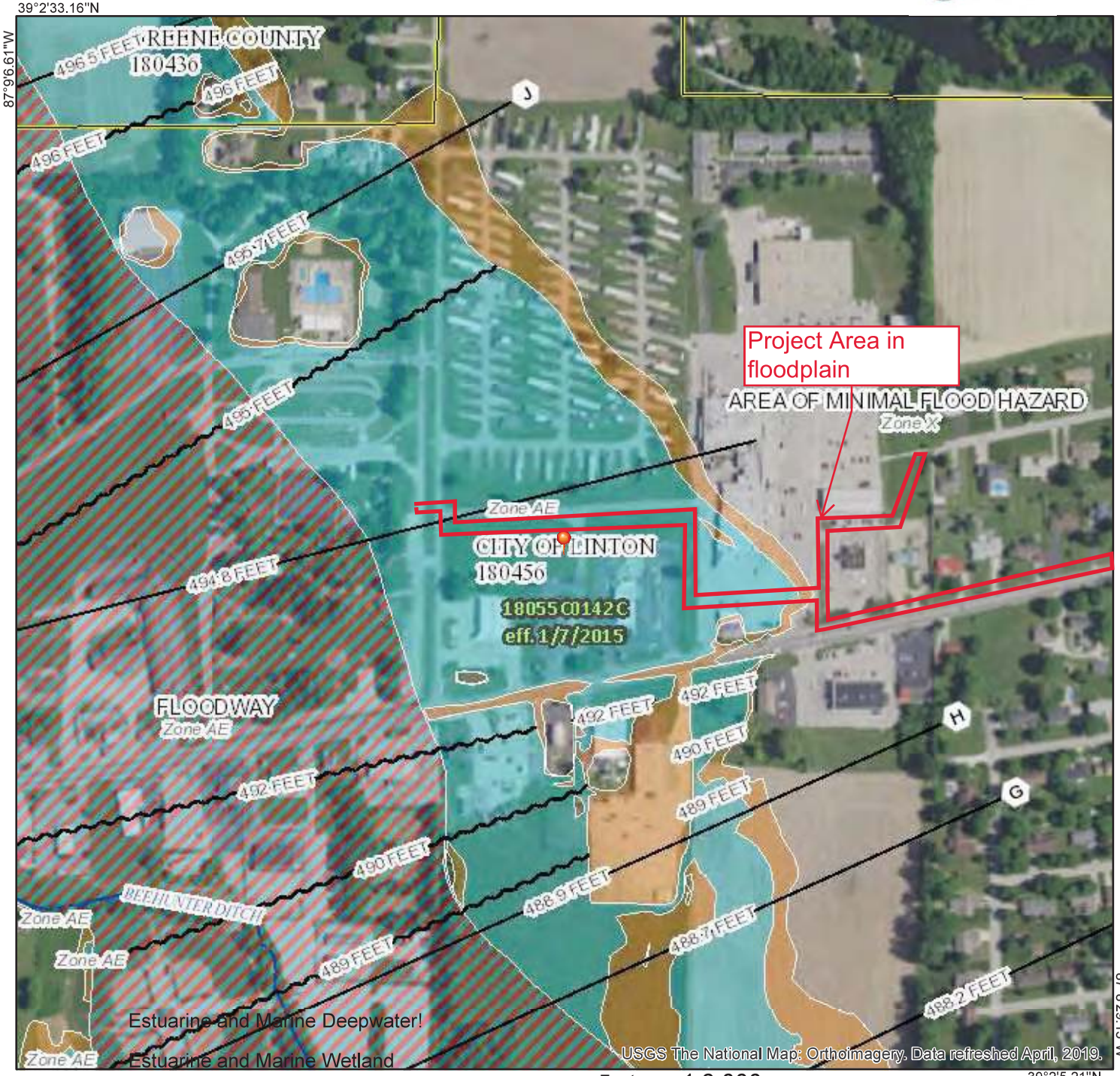
Linton Multi-Use Trail
City of Linton
Created:6/24/2019, R. Hook

Legend

- Investigation Area
- Delineated Streams
- UNT 1 & UNT 2 Watershed
- UNT 4 - UNT 6 Watershed

S:_2017\117-0063\EnviroWaters\Attachments\mxds\Linton Trail_StreamStats.mxd

National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/24/2019 at 2:16:10 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Map Scale: 1:8,760 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 100 200 400 600

Feet
0 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/29/2019

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Greene County, Indiana
Survey Area Data: Version 22, Sep 7, 2018

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

Date(s) aerial images were photographed: Apr 25, 2014—Mar 20, 2017

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

Estuarine and Marine Deepwater!

Estuarine and Marine Wetland

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Pf	Peoga silt loam, 0 to 1 percent slopes	0.7	23.8%
ScA	Shakamak silt loam, 1 to 3 percent slopes	1.2	39.1%
St	Stendal silt loam, frequently flooded	0.1	3.8%
VgA	Vigo silt loam, 0 to 2 percent slopes	1.0	33.2%
Totals for Area of Interest		**3.1**	**100.0%**

Report—Hydric Soil List - All Components

Hydric Soil List - All Components–IN055-Greene County, Indiana					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
Pf: Peoga silt loam, 0 to 1 percent slopes	Peoga-Drained	50-100	Flats,stream terraces	Yes	2
	Peoga-Undrained	0-45	Stream terraces,flats	Yes	2,3
	Dubois-Drained	0-10	Flats	No	—
	Bartle-Drained	0-10	Stream terraces	No	—
ScA: Shakamak silt loam, 1 to 3 percent slopes	Shakamak	100	Till plains	No	—
St: Stendal silt loam, frequently flooded	Stendal	97	Flood plains	No	—
	Bonnie	3	Backswamps on flood plains	Yes	2
VgA: Vigo silt loam, 0 to 2 percent slopes	Vigo	97	Till plains	No	—
	Very deep, poorly drained, silty soil	3	Depressions	Yes	2

Data Source Information

Soil Survey Area: Greene County, Indiana
Survey Area Data: Version 22, Sep 7, 2018

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Pf	Peoga silt loam, 0 to 1 percent slopes	93	0.7	23.8%
ScA	Shakamak silt loam, 1 to 3 percent slopes	0	1.2	39.1%
St	Stendal silt loam, frequently flooded	3	0.1	3.8%
VgA	Vigo silt loam, 0 to 2 percent slopes	3	1.0	33.2%
Totals for Area of Interest			**3.1**	**100.0%**

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Linton Multi-Use Trail - City Park to Greene Co. Hospital City/County: Linton/Greene County Sampling Date: 6/13/2019

Applicant/Owner: City of Linton State: IN Sampling Point: 1D1

Investigator(s): R. Hook Section, Township, Range: Sec 13, T 7 N, R 7 W

Landform (hillside, terrace, etc.): Roadside Local relief (concave, convex, none): None

Slope (%): 0 Lat: 39.0389 Long: -87.1459 Datum: InGCS Daviess-Greene (ft)

Soil Map Unit Name: Pf - Peoga silt loam NWI classification:

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ 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	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Field investigations were taken a few days after a period of heavy rainfall which accounted for a lot of the accumulated water in the area. The data point was taken in the roadside between the wetland and the slope of fill material for the roadway.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Herb Stratum (Plot size: ____)			
1. *Festuca rubra*	50	Yes	FACU
2. *Trifolium hybridum*	25	Yes	FACU
3. *Plantago major*	25	Yes	FAC
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	100 =Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	25	x 3 =	75
FACU species	75	x 4 =	300
UPL species	0	x 5 =	0
Column Totals:	100 (A)		375 (B)

Prevalence Index = B/A = 3.75

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.)
The data point was taken in mowed and maintained grass areas along the roadside.

SOIL

Sampling Point: 1D1

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
0-18	2.5Y 4/1	97	5YR 3/4	3	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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)
- ___ Dark Surface (S7)
- ___ 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)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ 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:
No fill material was encountered. Soils were hydric and matching those taken in the wetland.

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): 18
Saturation Present? (includes capillary fringe)	Yes X	No ___	Depth (inches): 17

Wetland Hydrology Present? Yes ___ No X

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

Remarks:
Saturation was present 17 inches below the surface and ground water was encountered at 18 inches.

1D1 Soil Pit

1D1 Soil Profile

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Linton Multi-Use Trail - City Park to Greene Co. Hospital City/County: Linton/Greene County Sampling Date: 6/13/2019

Applicant/Owner: City of Linton State: IN Sampling Point: 1W1

Investigator(s): R. Hook Section, Township, Range: Sec 13, T 7 N, R 7 W

Landform (hillside, terrace, etc.): Roadside Local relief (concave, convex, none): Concave

Slope (%): 0 Lat: 39.0388 Long: -87.1460 Datum: InGCS Daviess-Greene (ft)

Soil Map Unit Name: Pf - Peoga silt loam NWI classification:

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ 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 ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Field investigations were taken a few days after a period of heavy rainfall which accounted for a lot of the accumulated water in the area.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Herb Stratum (Plot size: ____)			
1. *Carex frankii*	15	Yes	OBL
2. *Carex cristatella*	15	Yes	FACW
3. *Carex vulpinoidea*	15	Yes	FACW
4. *Trifolium hybridum*	15	Yes	FACU
5. *Schedonorus arundinaceus*	15	Yes	FACU
6. *Poa pratensis*	12	No	FAC
7. *Ranunculus acris*	10	No	FAC
8. *Scirpus atrovirens*	5	No	OBL
9.			
10.			
	102 =Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	=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: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	20	x 1 =	20
FACW species	30	x 2 =	60
FAC species	22	x 3 =	66
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	102 (A)		266 (B)

Prevalence Index = B/A = 2.61

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.)
The data point had a mix of wetland and upland species due to the planted/maintained roadside and yard surrounding it.

SOIL

Sampling Point: 1W1

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
0-19	2.5Y 4/1	95	5YR 3/4	5	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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)
- ___ Dark Surface (S7)
- ___ 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)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ 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:
The soil profile was consistent to a depth of 19 inches. No signs of fill material.

HYDROLOGY

Wetland Hydrology Indicators:

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

- ___ Surface Water (A1)
- ___ 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)
- ___ 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)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___	No X	Depth (inches): ___
Water Table Present?	Yes X	No ___	Depth (inches): 16
Saturation Present? (includes capillary fringe)	Yes X	No ___	Depth (inches): 2

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

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

Remarks:
Saturation was present 2 inches below the surface and ground water was encountered 16 inches below the surface. One secondary indicator was present.

1W1 Soil Pit

1W1 Soil Profile

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Linton Multi-Use Trail - City Park to Greene Co. Hospital City/County: Linton/Greene County Sampling Date: 6/13/2019

Applicant/Owner: City of Linton State: IN Sampling Point: 2D1

Investigator(s): R. Hook Section, Township, Range: Sec 13, T 7 N, R 7 W

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

Slope (%): 0 Lat: 39.0387 Long: -871455 Datum: InGCS Daviess-Greene (ft)

Soil Map Unit Name: Pf - Peoga silt loam NWI classification:

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ 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	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Field investigations were taken a few days after a period of heavy rainfall which accounted for a lot of the accumulated water in the area. This data point was taken in the maintained grass of the lawn/roadside

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Herb Stratum (Plot size: ____)			
1. *Festuca rubra*	78	Yes	FACU
2. *Trifolium hybridum*	20	Yes	FACU
3. *Lonicera maackii*	1	No	UPL
4. *Malus angustifolia*	1	No	UPL
5.			
6.			
7.			
8.			
9.			
10.			
	100 =Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	98	x 4 =	392
UPL species	2	x 5 =	10
Column Totals:	100 (A)		402 (B)

Prevalence Index = B/A = 4.02

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.)
Vegetation was for the maintained grass of the roadside/lawn,

SOIL

Sampling Point: 2D1

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
0-18	2.5Y 4/1	95	5YR 3/4	5	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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)
- ___ Dark Surface (S7)
- ___ 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)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ 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): 16
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:

Ground water was present at 16 inches below surface.

2D1 Soil Pit

2D1 Soil Profile

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Linton Multi-Use Trail - City Park to Greene Co. Hospital City/County: Linton/Greene County Sampling Date: 6/13/2019

Applicant/Owner: City of Linton State: IN Sampling Point: 2W1

Investigator(s): R. Hook Section, Township, Range: Sec 13, T 7 N, R 7 W

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

Slope (%): 0 Lat: 39.0387 Long: -87.1455 Datum: InGCS Daviess-Greene (ft)

Soil Map Unit Name: Pf - Peoga silt loam NWI classification:

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ 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 ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Field investigations were taken a few days after a period of heavy rainfall which accounted for a lot of the accumulated water in the area. This data point was taken in a sparesly vegetated area that captures drainage from the roadway and adjacent parking lot.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Herb Stratum (Plot size: ____)			
1. *Eleocharis obtusa*	13	Yes	OBL
2. *Trifolium hybridum*	3	No	FACU
3. *Carex frankii*	2	No	OBL
4. *Plantago major*	1	No	FAC
5. *Lonicera maackii*	1	No	UPL
6.			
7.			
8.			
9.			
10.			
	20 =Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	15	x 1 =	15
FACW species	0	x 2 =	0
FAC species	1	x 3 =	3
FACU species	3	x 4 =	12
UPL species	1	x 5 =	5
Column Totals:	20 (A)		35 (B)

Prevalence Index = B/A = 1.75

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.)
80% bareground surronded by maintained grass/roadside.

SOIL

Sampling Point: 2W1

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
0-18	2.5Y 4/1	95	5YR 3/4	5	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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)
- ___ Dark Surface (S7)
- ___ 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)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ 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:
Soils were saturated and difficult to excavate.

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)
- ___ 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)
- 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:
Saturation at the surface with ground water present 6 inches below the surface.

2W1 Soil Pit

2W1 Soil Profile

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Linton Multi-Use Trail - City Park to Greene Co. Hospital City/County: Linton/Greene County Sampling Date: 4/23/2019

Applicant/Owner: City of Linton State: IN Sampling Point: 3N1

Investigator(s): R. Hook Section, Township, Range: Sec 13, T 7 N, R 7 W

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

Slope (%): 0-1 Lat: 39.0394 Long: -87.1309 Datum: InGCS Daviess-Greene (ft)

Soil Map Unit Name: ScA - Shakamak silt loam, 1 to 3 percent slopes NWI classification: Upland

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ 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	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Field investigations were taken a few days after a period of heavy rainfall which accounted for a lot of the accumulated water in the area. Signs of hyrodology and soils were present, however vegetation was predominately upland with little to no species FAC or wetter.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Carya ovata*	25	Yes	FACU
2. *Quercus imbricaria*	10	Yes	FACU
3.			
4.			
5.			
	35	=Total Cover	
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
		=Total Cover	
Herb Stratum (Plot size: ____)			
1. *Claytonia virginica*	30	Yes	FACU
2. *Festuca rubra*	20	Yes	FACU
3. *Viola sororia*	15	No	FAC
4. *Trillium recurvatum*	10	No	FACU
5. *Taraxacum officinale*	5	No	FACU
6. *Unk. Carex*	5	No	
7.			
8.			
9.			
10.			
	85	=Total Cover	
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
		=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	115 (A)		445 (B)

Prevalence Index = B/A = 3.87

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.)
15% of the plot was bare ground, unknown carex did not have a seed head in order to identify.

SOIL

Sampling Point: 3N1

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
0-2	10YR 3/1	100					Loamy/Clayey	
2-6	10YR 4/2	90	10YR 4/6	10	C	PL/M	Loamy/Clayey	Prominent redox concentrations
6-12	10YR 5/6	95	10YR 5/1	5	C	M	Loamy/Clayey	Prominent redox concentrations
12-17	10YR 5/6	98	10YR 5/1	2	C	M	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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)
- ___ Dark Surface (S7)
- ___ 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)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Roots

Depth (inches): 17

Hydric Soil Present? Yes X No ___

Remarks:
Large roots were encountered at 17 inches below surface, causing shovel refusal. Enough soil was able to be collected to determine that the soils were hydric.

HYDROLOGY

Wetland Hydrology Indicators:

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

- ___ Surface Water (A1)
- ___ 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)
- ___ 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): 16
Saturation Present? (includes capillary fringe)	Yes X	No ___	Depth (inches): 12

Wetland Hydrology Present? Yes X No ___

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

Remarks:
Saturation was present at 12 inches below the surface. Ground water was found at 16 inches below surface. When complete, the hole had filled with 4 inches of water

3N1 Soil Pit

3N1 Profile

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: April 27, 2020

B. NAME AND ADDRESS OF PERSON REQUESTING PJD: R. Hook, 3502 Woodview Trace, Indianapolis, IN 46268

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

The City of Linton proposes to proceed with a federal-aid multi-use project in east central Greene County, Indiana (Des. No. 1600759). The proposed project will involve the construction of an 8 to 10 foot wide asphalt trail from City Park to Greene County Hospital and CR 1000 W. The maintenance of traffic will require lane restrictions through the work zone.

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

State: IN County/parish/borough: Green City: Linton

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

Lat.: 39.0387 Long.: -87.1348

Universal Transverse Mercator:

Name of nearest waterbody: Beehunter Ditch

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)
UNT 1	39.0390	-87.1479	15.56	non-wetland	Section 404
UNT 2	39.0389	-87.1478	15.29	non-wetland	Section 404
UNT 3	39.0388	-87.1384	61.84	non-wetland	Section 404
UNT 4	39.0387	-87.1348	19.30	non-wetland	Section 404
UNT 5	39.0386	-87.1345	96.99	non-wetland	Section 404

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

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

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

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

- [x] Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
  Map: Aerial, water resources, NWI, topographic, StreamStats, soils.
- [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: _____.
- [x] U.S. Geological Survey Hydrologic Atlas: Hydrography_HighRes_FlowLine_NHD_USGS.shp.
  - [x] USGS NHD data.
  - [ ] USGS 8 and 12 digit HUC maps.
- [x] U.S. Geological Survey map(s). Cite scale & quad name: Linton 1:24,000 Quadrangle.
- [x] Natural Resources Conservation Service Soil Survey. Citation: NRCS web soil survey.
- [x] National wetlands inventory map(s). Cite name: USFWS NWI wetland mapper.
- [ ] State/local wetland inventory map(s): _____.
- [x] FEMA/FIRM maps: 18055C0142C.
- [x] 100-year Floodplain Elevation is: 490.4 feet.(National Geodetic Vertical Datum of 1929)
- [x] Photographs: [x] Aerial (Name & Date): Greene County 2018.
  or [x] Other (Name & Date): Field photos from 4/23/2019 & 6/13/2019.
- [ ] 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.

_____	Ruth Hook Digitally signed by Ruth Hook Date: 2019.01.15 08:32:26 -05'00'
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.

Categorical Exclusion

Appendix G

Public Involvement

January 17, 2018

Des. No. 1600759
Project: Survey for Pedestrian Path from Linton City Park east to County Road 1000 West in the City of Linton, Greene County, Indiana.

Dear Property Owner:

Our information indicates that you own or occupy property near the subject proposed project. Our employees will be performing a survey of the project area in the near future. It may be necessary for them to come onto your property to complete this work. This is permitted by law per Indiana Code IC 8-23-7-26. They will show you their identification if you are available, before coming onto your property. If you have sold this property, or it is occupied by someone else, please let us know the name and address of the new owner or current occupant so we can contact them about the survey.

At this stage, we generally do not know what effect, if any, our project can eventually have on your property. If we determine later that your property is involved, we will contact you with additional information.

The survey work may include the identification and mapping of wetlands and historic resources, archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites) and various other environmental studies. The survey work will include mapping the location of features such as trees, buildings fences and drives as well as obtaining ground elevations. This survey is needed for the proper planning and design of this highway project. Please be assured of our sincere desire to cause you as little inconvenience as possible during this survey. If problems do occur, please contact our field crew or contact me at the telephone number or address shown above.

Sincerely yours,

Benson G. Hinshaw P.S.

Categorical Exclusion

Appendix H

Air Quality

Indiana Department of Transportation (INDOT)

State Preservation and Local Initiated Projects FY 2020 - 2024

SPONSOR	CONTRACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Estimated Cost left to Complete Project*	PROGRAM	PHASE	FEDERAL	MATCH	2020	2021	2022	2023	2024
Greene County	39838 / 1600888	Init.	IR 1026	Bridge Replacement, Other Construction	Bridge over Indiana Railroad on Miller Road >6 miles E of State Road 157	Vincennes	.21	STPBG		Local Funds	CN	$0.00	$307,420.00		$40,000.00	$267,420.00		
										Local Funds	RW	$0.00	$15,000.00		$15,000.00			
Linton	39849 / 1600759	Init.	VA VARI	Bike/Pedestrian Facilities	From Linton City Park to Greene County General Hospital	Vincennes	1.12	STPBG		Local Transportation Alternatives	CN	$857,600.00	$0.00			$857,600.00		
										Local Transportation Alternatives	RW	$326,400.00	$0.00	$326,400.00				
										Local Funds	CN	$0.00	$214,400.00			$214,400.00		
										Local Funds	RW	$0.00	$81,600.00	$81,600.00				
Linton	39849 / 1600759	M 07	VA VARI	Bike/Pedestrian Facilities	From Linton City Park to Greene County General Hospital	Vincennes	1.12	TA	$1,480,000.00	Local Transportation Alternatives	RW	$0.00	$0.00	($326,400.00)	$326,400.00			
										Local Funds	RW	$0.00	$0.00	($81,600.00)	$81,600.00			
Comments:Moving RW Phase from FY20 to FY21. No MPO. AQC Exempt 07/01/2019.																		
Indiana Department of Natural Resources	39854 / 1601177	Init.	IR 1028	Road Reconstruction (3R/4R Standards)	County Road 400S from 1.00 mi W of SR-59 to SR-59	Vincennes	0	STPBG		Access Roads - Construction	CN	$3,132,606.40	$783,151.60	$3,915,758.00				
Indiana Department of Transportation	39920 / 1601044	Init.	US 231	Slide Correction	Approximately 2.72 miles S of SR-54	Vincennes	0	NHPP		Road ROW	RW	$24,000.00	$6,000.00	$30,000.00				
										Road Construction	CN	$777,269.60	$194,317.40		$971,587.00			
Indiana Department of Transportation	40044 / 1592942	Init.	SR 54	HMA Overlay, Preventive Maintenance	From US-231 to 0.49 miles E of US-231 (Bloomfield) RP 37+84 to 38+29	Vincennes	.29	STPBG		Road Construction	CN	$306,716.80	$76,679.20	$383,396.00				
Indiana Department of Transportation	40556 / 1601053	Init.	SR 157	HMA Overlay, Preventive Maintenance	From US-231 to 1.1 miles N of US-231 in Bloomfield	Vincennes	1.103	STPBG		Road ROW	RW	$16,000.00	$4,000.00	$20,000.00				
										Road Construction	CN	$323,192.00	$80,798.00			$403,990.00		
Indiana Department of Transportation	40556 / 1601053	A 07	SR 157	HMA Overlay, Preventive Maintenance	From US-231 to 1.1 miles N of US-231 in Bloomfield	Vincennes	1.103	NHPP	$603,590.00	Road Consulting	PE	$143,680.00	$35,920.00	$179,600.00				
Comments:Amend 2020-2024 Adding FY20 PE $179,600.00. No MPO. Air Conformity Requirements completed per email dated 10/9/2019.																		
Indiana Department of Transportation	40558 / 1700174	Init.	SR 48	Small Structure Replacement with Bridge	1.16 miles E Jct SR-59	Vincennes	0	STPBG		Bridge ROW	RW	$65,600.00	$16,400.00	$82,000.00				
										Bridge Construction	CN	$2,300,450.40	$575,112.60			$2,875,563.00		
Indiana Department of Transportation	40565 / 1601051	Init.	SR 54	HMA Overlay, Preventive Maintenance	From E Jct SR-59 to 1.13 mi E of E Jct SR-59	Vincennes	1.185	STPBG		Road ROW	RW	$20,000.00	$5,000.00	$25,000.00				

*Estimated Costs left to Complete Project column is for costs that may extend beyond the four years of a STIP. This column is not fiscally constrained and is for information purposes.

Categorical Exclusion

Appendix I

Environmental Justice Analysis

	COC	AC 1	AC 2
	City of Linton	Census Tract 9549	Census Tract 9552
Low Income Population			
Total Population for Whom Poverty Status is Determined	974	453	505
Total Population	5,250	5,005	2,240
Percent Low-Income	18.6%	9.1%	22.5%
125 Percent of COC	23.8%		
AC Percent Low-Income Greater Than 125 Percent of COC?		**No**	**No**
AC Percent Low-Income Greater Than 50 Percent?		**No**	**No**
Population of EJ Concern?		**No**	**No**
Minority Population			
Total Population	5,288	5,041	2,240
Minority Population	123	68	34
Percent Minority	2.3%	1.3%	1.5%
125 Percent of COC	2.9%		
AC Percent Minority Greater Than 125 Percent of COC?		**No**	**No**
AC Percent Minority Greater Than 50 Percent?		**No**	**No**
Population of EJ Concern?		**No**	**No**

Linton Multi-Use Trail - Des. No. 1600759

Legend:

Your Selections

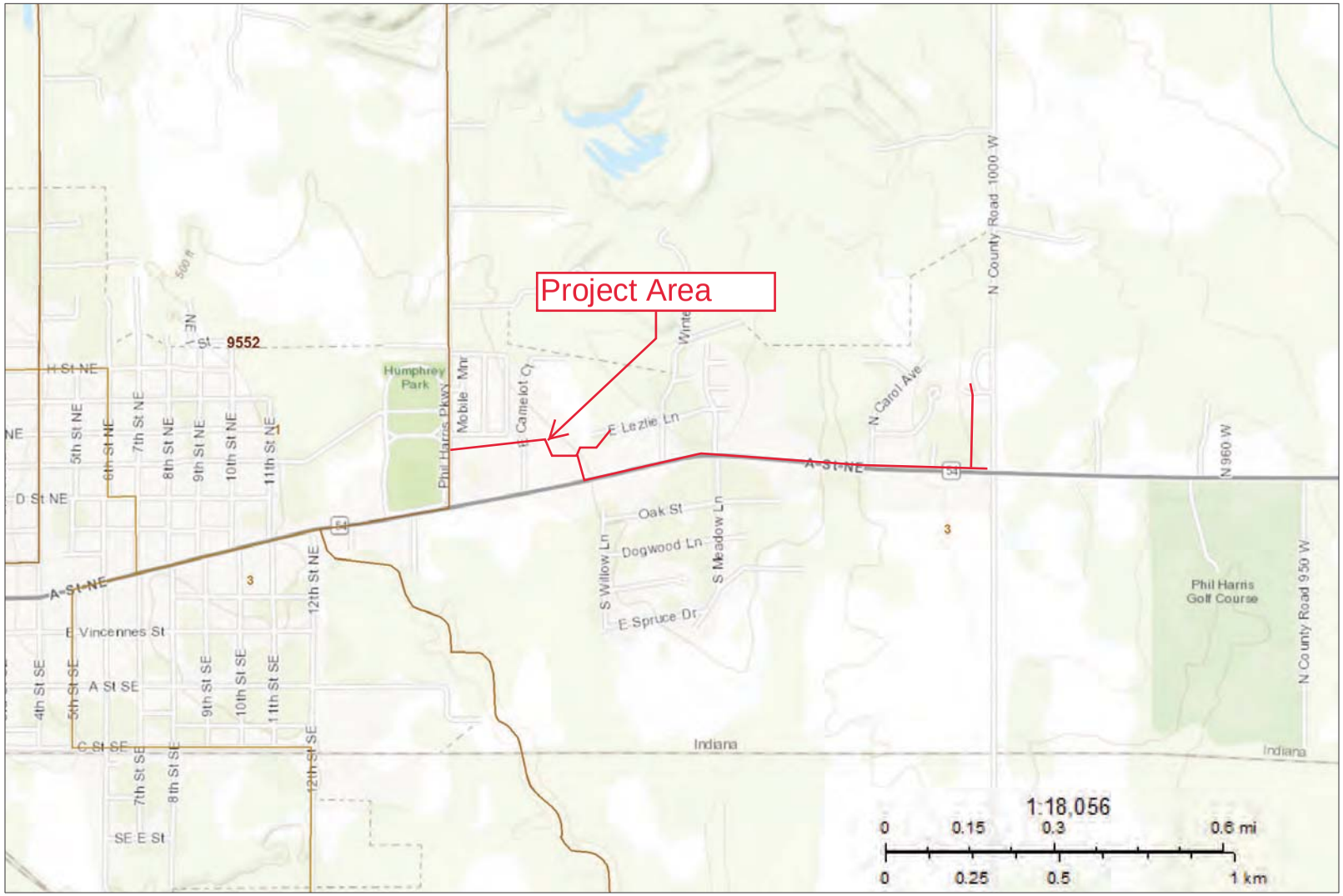
No Legend

Selection Results

No Legend

2018 Boundaries

- Census Tract
- Block Group



B03002

HISPANIC OR LATINO ORIGIN BY RACE

Universe: Total population

2013-2017 American Community Survey 5-Year Estimates

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

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

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

	Census Tract 9549, Greene County, Indiana		Census Tract 9552, Greene County, Indiana		Linton city, Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total:	5,041	+/-400	2,240	+/-211	5,288	+/-22
Not Hispanic or Latino:	5,038	+/-398	2,206	+/-215	5,237	+/-68
White alone	4,973	+/-399	2,206	+/-215	5,165	+/-110
Black or African American alone	4	+/-6	0	+/-11	2	+/-5
American Indian and Alaska Native alone	0	+/-16	0	+/-11	0	+/-16
Asian alone	27	+/-49	0	+/-11	0	+/-16
Native Hawaiian and Other Pacific Islander alone	0	+/-16	0	+/-11	14	+/-25
Some other race alone	0	+/-16	0	+/-11	0	+/-16
Two or more races:	34	+/-52	0	+/-11	56	+/-62
Two races including Some other race	0	+/-16	0	+/-11	0	+/-16
Two races excluding Some other race, and three or more races	34	+/-52	0	+/-11	56	+/-62
Hispanic or Latino:	3	+/-6	34	+/-56	51	+/-66
White alone	3	+/-6	0	+/-11	17	+/-29
Black or African American alone	0	+/-16	34	+/-56	34	+/-56
American Indian and Alaska Native alone	0	+/-16	0	+/-11	0	+/-16
Asian alone	0	+/-16	0	+/-11	0	+/-16
Native Hawaiian and Other Pacific Islander alone	0	+/-16	0	+/-11	0	+/-16
Some other race alone	0	+/-16	0	+/-11	0	+/-16
Two or more races:	0	+/-16	0	+/-11	0	+/-16

	Census Tract 9549, Greene County, Indiana		Census Tract 9552, Greene County, Indiana		Linton city, Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Two races including Some other race	0	+/-16	0	+/-11	0	+/-16
Two races excluding Some other race, and three or more races	0	+/-16	0	+/-11	0	+/-16

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

While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

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

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '**' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '***' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

B17001

POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE

Universe: Population for whom poverty status is determined
2013-2017 American Community Survey 5-Year Estimates

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

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

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

	Census Tract 9549, Greene County, Indiana		Census Tract 9552, Greene County, Indiana		Linton city, Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total:	5,005	+/-401	2,240	+/-211	5,250	+/-53
Income in the past 12 months below poverty level:	453	+/-191	505	+/-156	974	+/-246
Male:	84	+/-77	230	+/-84	419	+/-140
Under 5 years	2	+/-8	32	+/-25	50	+/-37
5 years	0	+/-16	0	+/-11	0	+/-16
6 to 11 years	0	+/-16	24	+/-27	28	+/-27
12 to 14 years	0	+/-16	23	+/-19	24	+/-23
15 years	3	+/-6	7	+/-11	7	+/-11
16 and 17 years	20	+/-29	10	+/-16	20	+/-22
18 to 24 years	3	+/-5	46	+/-37	40	+/-34
25 to 34 years	3	+/-5	13	+/-20	83	+/-66
35 to 44 years	3	+/-5	29	+/-26	37	+/-28
45 to 54 years	27	+/-37	37	+/-30	66	+/-42
55 to 64 years	0	+/-16	9	+/-10	41	+/-29
65 to 74 years	0	+/-16	0	+/-11	23	+/-25
75 years and over	23	+/-35	0	+/-11	0	+/-16
Female:	369	+/-134	275	+/-101	555	+/-131
Under 5 years	20	+/-29	25	+/-35	0	+/-16
5 years	1	+/-3	0	+/-11	0	+/-16

	Census Tract 9549, Greene County, Indiana		Census Tract 9552, Greene County, Indiana		Linton city, Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
6 to 11 years	26	+/-25	56	+/-32	42	+/-29
12 to 14 years	9	+/-18	26	+/-19	37	+/-26
15 years	11	+/-12	0	+/-11	0	+/-16
16 and 17 years	2	+/-3	0	+/-11	0	+/-16
18 to 24 years	41	+/-45	51	+/-35	52	+/-43
25 to 34 years	15	+/-16	48	+/-32	48	+/-38
35 to 44 years	39	+/-26	23	+/-23	52	+/-37
45 to 54 years	59	+/-48	9	+/-13	86	+/-57
55 to 64 years	80	+/-71	23	+/-20	155	+/-79
65 to 74 years	19	+/-26	14	+/-14	34	+/-32
75 years and over	47	+/-43	0	+/-11	49	+/-42
Income in the past 12 months at or above poverty level:	4,552	+/-438	1,735	+/-232	4,276	+/-255
Male:	2,315	+/-313	824	+/-145	2,136	+/-193
Under 5 years	122	+/-78	41	+/-34	65	+/-48
5 years	4	+/-6	11	+/-12	93	+/-65
6 to 11 years	145	+/-67	65	+/-38	177	+/-69
12 to 14 years	58	+/-49	31	+/-18	83	+/-51
15 years	13	+/-21	2	+/-4	17	+/-16
16 and 17 years	22	+/-23	36	+/-37	75	+/-52
18 to 24 years	267	+/-152	126	+/-70	189	+/-74
25 to 34 years	202	+/-102	81	+/-40	226	+/-64
35 to 44 years	269	+/-89	154	+/-47	315	+/-75
45 to 54 years	361	+/-117	78	+/-40	260	+/-78
55 to 64 years	378	+/-128	90	+/-50	280	+/-76
65 to 74 years	263	+/-119	65	+/-36	212	+/-84
75 years and over	211	+/-88	44	+/-25	144	+/-55
Female:	2,237	+/-287	911	+/-125	2,140	+/-193
Under 5 years	16	+/-27	47	+/-35	178	+/-57
5 years	0	+/-16	4	+/-12	15	+/-18
6 to 11 years	177	+/-110	24	+/-20	100	+/-70
12 to 14 years	146	+/-89	23	+/-21	67	+/-40
15 years	27	+/-42	53	+/-55	37	+/-51
16 and 17 years	98	+/-92	14	+/-18	29	+/-25
18 to 24 years	180	+/-90	48	+/-33	103	+/-56
25 to 34 years	215	+/-100	166	+/-64	222	+/-80
35 to 44 years	243	+/-88	141	+/-72	312	+/-95
45 to 54 years	258	+/-100	74	+/-32	265	+/-73
55 to 64 years	433	+/-119	90	+/-35	229	+/-58
65 to 74 years	327	+/-118	72	+/-34	258	+/-84
75 years and over	117	+/-69	155	+/-51	325	+/-85

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling

variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

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

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '**' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '***' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

Categorical Exclusion

Appendix J

Other Information

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated December 2019)

ProjectNumber	SubProjectCode	County	Property
1800021	1800021	Greene	Shakamak State Park
1800131	1800131	Greene	Lyons Community Park
1800156	1800156	Greene	Shakamak State Park
1800363	1800363I	Greene	Green-Sullivan State Forest
1800593	1800593	Greene	Bloomfield Pool

Please note, some of the property names are cut off on the ends due to character limits

Also, park names may have changed and is not reflected on the list.

*Various - this may include multiple sites in multiple counties and should always be included in your searches by county.

YOU'LL LIKE LINTON

MAYOR
JOHN WILKES

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Linton, Indiana 47441

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Phone: 812.847.7754

April 9, 2020

Samantha Beaupre
Lochmueller Group, Inc.
3502 Woodview Trace
Suite 150
Indianapolis, Indiana 46268

Re: Section 4(f) Coordination
Des. No. 1600759
Linton Multi-Use Trail
Linton City Park to Greene County Memorial Hospital
Linton, Greene County, Indiana

Dear Ms. Beaupre:

I understand that the Linton Multi-Usc Trail, a project sponsored by the City of Linton and funded by the Federal Highway Administration (FHWA), will affect Linton City Park. Linton City Park is owned and maintained by the City of Linton Parks Department and is accessible to the public. As such, it meets the applicability requirements of Section 4(f) of the U.S. Department of Transportation (USDOT) Act of 1966. It is my understanding the proposed trail will improve pedestrian and bicycle access to the park and provide connectivity to the downtown Linton area. The proposed trail will be an 8 to 10-foot wide paved pathway with 2-foot shoulders extending from the park eastward to the Greene County Memorial Hospital. I am also aware that during the development of the project, a 30-foot section of the trail was constructed within the Linton City Park property. This resulted in 0.005 acre of impact to the park property. During that time, the park remained accessible to the public and the construction did not adversely affect the recreational features of the park. The park will not be directly impacted by the portion of the trail extending east of Park Road.

As the official with jurisdiction (OWJ) over Linton City Park, I agree the proposed project provides an enhancement to the resource, and therefore, qualifies for a Section 4(f) exception, as defined in 23 CFR 774.13(g). This exception applies for transportation enhancement projects and mitigation actives where:

1. The use of the Section 4(f) property is solely for the purpose of preserving or enhancing an activity, feature, or attribute that qualifies the property for protection, and;
2. The OWJ agrees in writing to the previous condition.

Information regarding the proposed project and aerial photographs which illustrate the impacts to the park were provided to us by Lochmueller Group on April 9, 2020. Based on a review of this information, the Parks Department understands the construction of this project is necessary and in the interest of the public. Once constructed, the Linton Multi-Use Trail will provide an enhancement to the Linton City Park by expanding pedestrian and bicycle facilities and by improving pedestrian access to the park from other areas of the City. Therefore, I agree the project will not adversely affect the recreational activities, features, and attributes that qualify Linton City Park for protection under Section 4(f) of the U.S. Department of Transportation Act.

Respectfully,

Tim Turpen,
Superintendent
City of Linton Parks Department