



CE-4

APPENDIX E: RED FLAG AND HAZARDOUS MATERIALS



INDIANA DEPARTMENT OF TRANSPORTATION

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

PHONE: (855) 463-6848
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Eric Holcomb, Governor
Joe McGuinness, Commissioner

Date: January 26, 2022

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

From: Emma Schuster
VS Engineering, Inc.
4275 N High School Road
Indianapolis, IN 46254
eschuster@vsengineering.com

Re: RED FLAG INVESTIGATION
DES # 1900162, State Project
Added Travel Lanes
I-64, from US 150 to Main Street, and I-265, from I-64 to Green Valley Road
Floyd County, Indiana

PROJECT DESCRIPTION

Brief Description of Project: The I-64 Added Travel Lanes project is located on I-64 from approximately US 150 to Main Street in New Albany, Floyd County, Indiana. Additional work is anticipated on I-265 from I-64 to Green Valley Road and on US 150 from I-64 to 900 feet north of Old Vincennes Road (east leg).

The project is anticipated to include the following elements:

1. Addition of a travel lane in each direction on I-64 from US 150 to Main Street, except for westbound I-64 between I-265 and Main Street where no lanes will be added. In most areas, the additional lanes will be added to the median. Rock cuts will be necessary in some areas. This median may also be widened in some areas;
2. Addition of travel/auxiliary lanes on I-265 from State Street to I-64. Lanes will be added to both the median and outside of I-265;
3. Addition of lanes on the I-64/US 150 and I-64/I-265 interchange exit and entrance ramps;
4. Traffic signal improvements at ramp terminal intersections, if determined necessary;
5. Replacement and/or rehabilitation of pavement on I-64 and I-265;
6. Relocation of ramps within the I-64/I-265 interchange, construction of new bridges is anticipated to accommodate the ramp relocations;

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7. Replacement, widening, and painting of bridges throughout the project area;
8. Replacement of culverts and storm sewers, and construction of detention basins;
9. Installation of guardrail as needed along I-64;
10. Replacement and addition of signage and pavement markings;
11. Replacement and addition of lighting;
12. Above ground and underground utility relocations;
13. Acquisition of new right-of-way and building demolition for any relocations; and
14. A noise analysis will be completed for the project. As part of this analysis, possible noise barriers could be identified and analyzed to determine if they are reasonable and feasible in accordance with INDOT's Traffic Noise Analysis Procedure (2017).

Bridges

Existing Bridges to be Replaced, Widened, or Painted	
Location	Bridge #
EB US 150 over I-64	150-22-04983 AEBL
WB US 150 over I-64	150-22-04983 AWBL
EB I-64 over Quarry Rd.	I-64-120-04984 JBEB
WB I-64 over Quarry Rd.	I-64-120-04984 CWBL
WB I-64 over EB I-64 ramp to EB I-265	I-64-121-04985 RCB
WB I-64 over WB I-265 ramp to EB I-64	I-64-121-04985 RBB
WB I-265 ramp to EB I-64 over EB I-64 ramp to EB I-265	(I-64) I-265-00-05228B
EB I-64 over Captain Frank Rd.	I-64-121-04986 JCEB
WB I-64 over Captain Frank Rd.	I-64-121-04986 CWBL
EB and WB I-64 over Cherry St.	I-64-122-04988C
I-64 over Fall Run at SBEX / NBEN gore of Spring St I/C	I-64-123-04687
EB I-265 & Ramp over State St.	I-265-00-05513 JBEB & DRCA
US 150 EB over Little Indian Creek	150-22-05230 BEB
US 150 WB over Little Indian Creek	150-22-05230 BWB

Culverts

Location	Stream	CV Asset ID
I-265 WB at I-64 I/C	UNT Valley View Creek	CV I265-022-0WB R1
I-265, at State St I/C NBEX Gore	Trinity Run	CV I265-022-0.71
I-265, at State St I/C SBEX Gore	UNT Green Run	CV I265-022-1.05
I-265, 500 ft N of Glenview Heights Road	Green Run	CV I265-022-1.35
I-265, 1500 ft W of Green Valley Road	UNT Falling Run	CV I265-022-1.57
I-265, 700 ft W of Green Valley Road	Lost Knob Brook	CV I265-022-1.70
I-64, at SR 150 I/C WBEN Gore	UNT Little Indian Creek	CV I64-022-119.35
I-64, 1800 ft W of I-265 I/C	UNT Valley View Creek	No Str. Number
I-64, at west end of I-265 I/C	Hill Brook	No Str. Number
I-64 WB and I-64 EBR at I-265 I/C	UNT Valley View Creek	CV I64-022-121.61 R
I-64 WB at I-265 I/C	UNT Valley View Creek	CV I64-022-121.71 EB
I-64 EB at Captain Frank Road	UNT Valley View Creek	CV I64-022-121.95 EB
I-64 WB at I-265 I/C	UNT Valley View Creek	CV I64-022-122.14 W
Along I-64 EB	Valley View Creek	CV I64-022-122.90 EB ADJ

Bridge and/or Culvert Project: Yes No Structure # see tables above

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 2 Permanent # Acres 8, Not Applicable

Type and proposed depth of excavation: An average of approximately 2 feet of excavation below ground surface (bgs) will be needed for construction of the added travel lanes. Approximately 6 feet of excavation bgs will be required for the installation of detention basins. Excavation for the bridges will include excavation for the construction of mechanically stabilized retaining walls adjacent to Quarry Road, the I-265/I-64 interchange ramps, and Captain Frank Road resulting in excavation depths of up to approximately 8 feet bgs. Excavation for foundation widening along Cherry Street and State Street of up to approximately 8 feet bgs is also anticipated. Excavation for sign and light foundations will range from 8 to 20 feet bgs depending on the type of foundation used.

Maintenance of traffic: The maintenance of traffic plan will include maintaining the existing number of lanes of traffic in each direction (two to three depending on location) through the majority of construction. Intermittent lane restrictions will be implemented on I-64 and I-265. It is anticipated that Quarry Road, Captain Frank Road and Cherry Street would be closed for periods during construction of the bridges overhead and construction of foundations adjacent to the roadway. Nighttime closures may be required for construction activities along State Street.

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

State Project: LPA:

Any other factors influencing recommendations: N/A

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Religious Facilities	16*	Recreational Facilities	13
Airports ¹	N/A	Pipelines	1
Cemeteries	11	Railroads	8
Hospitals	1	Trails	4
Schools	5*	Managed Lands	N/A

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

Explanation:

Religious Facilities*: Sixteen (16) religious facilities, nine (9) mapped and seven (7) unmapped, are located within the 0.5 mile search radius. The nearest religious facilities, Wesley Chapel UMC and New Beginnings Community Church are located adjacent to the project area. Coordination with Wesley Chapel UMC and New Beginnings Community Church will occur. In addition, coordination will occur with Cherry Street Church of Christ, as maintenance of traffic is anticipated to include periodical closure of Cherry Street.

Recreational Facilities: Thirteen (13) recreational facilities are located within the 0.5 mile search radius. Although the icon associated with Joe Kraft Park is mapped adjacent to the project area, the recreational facility is actually located approximately 0.10 mile southwest of the project area. Three (3) recreational facilities, Anderson Park, Cherry Valley Par-3 Golf Course (Fuzzy Zoeller’s Par 3), and Pleasant Valley Golf Practice Facility, are located adjacent to the project area. Coordination with Anderson Park, Cherry Valley Par-3 Golf Course (Fuzzy Zoeller’s Par 3), and Pleasant Valley Golf Practice Facility will occur.

Pipelines: One (1) pipeline segment is located within the 0.5 mile search radius. The pipeline segment is located within the project area at the eastern terminus of the project area. Coordination with INDOT Utilities and Railroads should occur.

Cemeteries: Eleven (11) cemeteries are located within the 0.5 mile search radius. One (1) cemetery, West Haven Cemetery, is located adjacent to the project area. A Cemetery Development Plan may be required since this project is within 100 feet of the cemetery. Coordination with INDOT Cultural Resources will occur.

Railroads: Eight (8) railroad segments are located within the 0.5 mile search radius. The nearest railroad segment is located approximately 0.22 mile northeast of the project area. No impact is expected.

Hospitals: One (1) hospital is located within the 0.5 mile search radius. The hospital is located approximately 0.43 mile northeast of the project area. No impact is expected.

Trails: Four (4) trail segments are located within the 0.5 mile search radius. The nearest trail segment is located approximately 0.32 mile southeast of the project area. No impact is expected.

Schools*: Five (5) schools are located within the 0.5 mile search radius. Four (4) schools are mapped within the 0.5 mile search radius, while one (1) school is mapped outside, though it is actually located within the 0.5 mile search radius. The nearest school is located approximately 0.25 mile west of the project area. No impact is expected by the proposed project as maintenance of traffic will maintain the existing number of travel lanes through the majority of construction; however, coordination with Holy Family Elementary School, Community Montessori, Green Valley Elementary School, Nathaniel Scribner Junior High School, and Children’s Academy New Albany Early Learning will occur.

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	13	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	67
Canal Structures – Historic	N/A	Lakes	45
NPS NRI Listed	N/A	Floodplain - DFIRM	82
NWI-Lines	24	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	11	Sinkhole Areas	N/A
Rivers and Streams	82	Sinking-Stream Basins	1

Explanation:

NWI-Points: Thirteen (13) NWI-Points are located within the 0.5 mile search radius. The nearest NWI-Point is located approximately 0.06 mile northwest of the project area. No impact is expected.

NWI-Wetlands: Sixty-seven (67) wetlands are located within the 0.5 mile search radius. One (1) wetland is located adjacent to the project area. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Lakes: Forty-five (45) lakes are located within the 0.5 mile search radius. Two (2) lakes are located adjacent to the project area. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Floodplain-DFIRM: Eighty-two (82) floodplain polygons are located within the 0.5 mile search radius. The project area is located within fourteen (14) floodplain polygons. Coordination with INDOT ESD Ecology and Waterway Permitting will occur.

NWI-Lines: Twenty-four (24) NWI-Lines are located within the 0.5 mile search radius. Five (5) NWI-Lines are located within the project area. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

IDEM 303d Listed Streams and Lakes (Impaired): Eleven (11) 303d Listed Streams are located within the 0.5 mile search radius. Four (4) 303d Listed Streams are located within the project area. Green Run, Lost Knob Brook, and two (2) unnamed tributaries (UNTs) to Falling Run are listed as impaired for E. coli.

- Green Run, Lost Knob Brook, and two (2) UNTs to Falling Run are listed for E. coli. Workers who are working in or near water with E. coli should take care to wear appropriate PPE, observe proper hygiene procedures, including regular hand washing, and limit personal exposure.

Rivers and Streams: Eighty-two (82) river and stream segments are located within the 0.5 mile search radius. Twelve (12) stream segments are located within the project area. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Sinking-Stream Basins: One (1) sinking-stream basin is located within the 0.5 mile search radius. The sinking-stream basin is located within the western section of the project area. Coordination with INDOT ESD Ecology and Waterway Permitting will occur.

MINING AND MINERAL EXPLORATION TABLE AND SUMMARY

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

Explanation: No mining or mineral exploration resources were identified within the 0.5 mile search radius.

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	7	Open Dump Waste Sites	N/A
RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	4	Waste Transfer Stations	N/A
Septage Waste Sites	N/A	Tire Waste Sites	N/A
Underground Storage Tank (UST) Sites	16	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	1	Brownfields	14
Construction Demolition Waste	N/A	Institutional Controls	21
Solid Waste Landfill	N/A	NPDES Facilities	26
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	14
Leaking Underground Storage (LUST) Sites	22	Notice of Contamination Sites	N/A

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

Explanation:

RCRA Generator / TSD: Seven (7) RCRA Generator / TSD sites are located within the 0.5 mile search radius. The nearest RCRA Generator / TSD sites are located approximately 0.08 mile southeast of the project area.

- Tribune, 303 Scribner Drive, New Albany, Indiana, Agency Interest (AI) # 30182. Notification of closure of this RCRA Small Quantity Generator site was sent to IDEM on April 14, 2004. IDEM noted closure of the site officially on July 15, 2004. No impact is expected.

- General Service Administration/Lee Hamilton Federal Building, 121 West Spring Street, New Albany, Indiana, AI # 30611. IDEM approved Hazardous Waste Generator Status as Conditionally Exempt Small Quantity on June 12, 2002. The site reported generating 100 to 1000 kg per month of ignitable hazardous waste on May 12, 1992. No impact is expected.

State Cleanup Sites: Four (4) State Cleanup sites are located within the 0.5 mile search radius. The nearest State Cleanup site is located approximately 0.36 mile southwest of the project area.

- New Albany City, West 10th Street, New Albany, Indiana, AI # 36895. The presence of petroleum at this site was reported to IDEM on April 9, 2002. IDEM issued a Completion of Independent Closure Process document for this site on January 10, 2014. No impact is expected.

Underground Storage Tank (UST) Sites: Sixteen (16) UST sites are located within the 0.5 mile search radius. The nearest UST site is located approximately 0.04 mile southeast of the project area.

- Radio Transmitter Site, 414 Daisy Lane, New Albany, Indiana, AI # 32172. One 500 gallon diesel UST was closed in July of 1989. Impacted soil backfill was placed back into the excavation once removal was completed. Residual soil impacts remain on-site and the exact location of the site and the UST cavity is unknown. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.

Voluntary Remediation Program: One (1) Voluntary Remediation Program (VRP) site is located within the 0.5 mile search radius. The Voluntary Remediation Program site is located approximately 0.27 mile northeast of the project area.

- Indiana Gas New Albany Manufactured Gas Plant, Bank Street and Oak Street, New Albany, Indiana, AI # 35909, was entered into the VRP on July 31, 2000 to remediate soil contaminated with benzene, toluene, ethylbenzene, total xylenes (BTEX), polynuclear aromatic hydrocarbons (PAHs), and total cyanide. A Remediation Completion Report was submitted to IDEM on September 29, 2011 summarizing the remedial activities completed at the site (i.e. soil excavation). No impact is expected.

Brownfields: Fourteen (14) brownfields are located within the 0.5 mile search radius. The brownfield mapped nearest to the project area is located approximately 0.10 mile east, though it is incorrectly mapped on Spring Street instead of Water Street on the GIS layer. Thus, the nearest brownfield is located approximately 0.15 mile east of the project area.

- New Albany Hitch & Haul, 528 State Street, New Albany, Indiana, AI # 106600. The US Environmental Protection Agency (EPA) identified past owner of the site, Lorch Oil Company, of dispensing petroleum and/or petroleum products sometime between October 26, 1983 and February 15, 1986, when the site was a former gasoline retail station. A Phase I Environmental Site Assessment Report was completed on November 6, 2018. IDEM issues New Albany Hitch & Haul a Comfort and Closure Letter for the petroleum contaminated site on July 12, 2019. No impact is expected.

Institutional Controls: Twenty-one (21) Institutional Controls are located within the 0.5 mile search radius. One (1) Institutional Control is located approximately 0.01 mile south of the project area.

- Tobacco Road 24, 327 West 5th Street, New Albany, Indiana, AI # 29817. An ERC was placed on this property on February 3, 2011 which prohibits use of the property for residential purposes, the extraction of groundwater, and any activity which may interfere with the groundwater monitoring or well network and requires the owner to restore soil disturbed as a result of excavation and construction activities in such a manner that the remaining contaminant concentrations do not present a threat to human health or the environment. Residual

soil and groundwater impacts appear to remain on-site and do not extend into the project area. No impact is expected.

NPDES Facilities: Twenty-six (26) NPDES facilities are located within the 0.5 mile search radius. Four (4) NPDES facilities are located within or adjacent to the project area.

- INDOT Des 1600310 Small Structure Replacement, permit expiration date April 22, 2023, is located within the project area. Coordination with the permit owner should occur.
- Andres Center, permit expiration date February 12, 2022, is located adjacent to the project area. Coordination with the permit owner should occur.
- Fairfield Inn and Suites, permit expiration date September 4, 2022, is located within the project area. Coordination with the permit owner should occur.
- Although New Albany Fire Station #4 Site Design Project is located within the project area, the permit for this site expired on August 16, 2018. No impact is expected.

NPDES Pipe Locations: Fourteen (14) NPDES pipe locations are located within the 0.5 mile search radius. The nearest NPDES pipe location is located approximately 0.04 mile west of the project area. No impact is expected.

Leaking Underground Storage (LUST) Sites: Twenty-two (22) LUST sites are located within the 0.5 mile search radius. Two (2) LUST sites are located adjacent to the project area.

- Smith B P (gulf), 327 West 5th Street, AI # 29817, is located approximately 0.01 mile south of the project area. The tank system at this site consists of three (3) 6,000-gallon gasoline tanks. A release of petroleum from an underground storage tank at this site was reported to IDEM on February 7, 2008. A No Further Action Determination Pursuant to RISC was issued by IDEM to this site on March 14, 2011. An ERC was placed on the property on February 3, 2011. Residual soil and groundwater impacts appear to remain on-site and do not appear to extend into the project area. No impact is expected.
- Riverview Tower, 500 Scribner Drive, New Albany, Indiana, AI # 118642, is located approximately 0.07 mile northeast of the project area. IDEM issued a No Further Action Approval Determination Pursuant to Remediation Closure Guide to this site on March 1, 2018. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

The Floyd County listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities is provided at https://www.in.gov/dnr/nature-preserves/files/np_floyd.pdf. A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did indicate the presence of ETR species within the 0.5 mile search radius. Coordination with USFWS and INDR will occur.

A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. The project area is located in a suburban and residential area with forested properties adjacent to the center and western portion of the project area.

The following inspection reports for all impacted bridges state that no evidence of bats was seen or heard under any of the bridges. Additional investigation to confirm the presence or absence of bats in or on the bridges will be necessary. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects."

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Existing Bridges to be Replaced, Widened, or Painted			
Location	Bridge #	Inspection Report Date	Evidence of Bats? (Y/N)
EB US 150 over I-64	150-22-04983 AEBL	04/05/2021	N
WB US 150 over I-64	150-22-04983 AWBL	04/05/2021	N
EB I-64 over Quarry Rd.	I64-120-04984 JBEB	11/08/2021	N
WB I-64 over Quarry Rd.	I64-120-04984 CWBL	11/08/2021	N
WB I-64 over EB I-64 ramp to EB I-265	I64-121-04985 RCB	11/08/2021	N
WB I-64 over WB I-265 ramp to EB I-64	I64-121-04985 RBB	11/08/2021	N
WB I-265 ramp to EB I-64 over EB I-64 ramp to EB I-265	(I-64) I-265-00-05228B	11/08/2021	N
EB I-64 over Captain Frank Rd.	I64-121-04986 JCEB	11/08/2021	N
WB I-64 over Captain Frank Rd.	I64-121-04986 CWBL	11/08/2021	N
EB and WB I-64 over Cherry St.	I64-122-04988C	11/08/2021	N
I-64 over Fall Run at SBEX / NBEN gore of Spring St I/C	I64-123-04687	11/16/2021	N
EB I-265 & Ramp over State St.	I265-00-05513 JBEB & DRCA	11/16/2021	N
US 150 EB over Little Indian Creek	150-22-05230 BEB	04/05/2021	N
US 150 WB over Little Indian Creek	150-22-05230 BWB	04/05/2021	N

The following inspection reports for all impacted culverts state that no evidence of bats was seen or heard in any of the culverts, or no information about whether bats are present or absent in the culverts. Additional investigation to confirm the presence or absence of bats in the culverts will be necessary. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent “Using the USFWS’s IPaC System for Listed Bat Consultation for INDOT Projects.”

Location	Stream	CV Asset ID	Inspection Report Date	Evidence of Bats? (Y/N)
I-265 WB at I-64 I/C	UNT Valley View Creek	CV I265-022-0WB R1	10/21/2021	N
I-265, at State St I/C NBEX Gore	Trinity Run	CV I265-022-0.71	10/19/2021	N
I-265, at State St I/C SBEX Gore	UNT Green Run	CV I265-022-1.05	10/19/2021	N
I-265, 500 ft N of Glenview Heights Road	Green Run	CV I265-022-1.35	10/19/2021	N
I-265, 1500 ft W of Green Valley Road	UNT Falling Run	CV I265-022-1.57	12/08/2017	N*
I-265, 700 ft W of Green Valley Road	Lost Knob Brook	CV I265-022-1.70	10/19/2021	N
I-64, at SR 150 I/C WBEN Gore	UNT Little Indian Creek	CV I64-022-119.35	11/20/2020	N
I-64, 1800 ft W of I-265 I/C	UNT Valley View Creek	No Str. Number	n/a	n/a
I-64, at west end of I-265 I/C	Hill Brook	No Str. Number	n/a	n/a
I-64 WB and I-64 EBR at I-265 I/C	UNT Valley View Creek	CV I64-022-121.61 R	11/20/2020	N
I-64 WB at I-265 I/C	UNT Valley View Creek	CV I64-022-121.71 EB	11/20/2020	N
I-64 EB at Captain Frank Road	UNT Valley View Creek	CV I64-022-121.95 EB	11/20/2020	N
I-64 WB at I-265 I/C	UNT Valley View Creek	CV I64-022-122.14 WB	11/20/2020	N
Along I-64 EB	Valley View Creek	CV I64-022-122.90 EB ADJ	11/18/2020	N

*The structure CV I265-022-1.57 is not mapped in BIAS and the structure will need to be inspected for the presence or absence of bats.

RECOMMENDATIONS SECTION

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

INFRASTRUCTURE:

Religious Facilities: Two (2) religious facilities, Wesley Chapel UMC and New Beginnings Community Church are located adjacent to the project area. Coordination with Wesley Chapel UMC and New Beginnings Community Church will occur.

In addition, coordination will occur with Cherry Street Church of Christ, as maintenance of traffic is anticipated to include periodical closure of Cherry Street.

Recreational Facilities: Three (3) recreational facilities, Anderson Park, Cherry Valley Par-3 Golf Course (Fuzzy Zoeller's Par 3), and Pleasant Valley Golf Practice Facility, are located adjacent to the project area. Coordination with Anderson Park, Cherry Valley Par-3 Golf Course (Fuzzy Zoeller's Par 3), and Pleasant Valley Golf Practice Facility will occur.

Pipelines: One (1) pipeline segment is located within the project area. Coordination with INDOT Utilities and Railroads should occur.

Cemeteries: One (1) cemetery, West Haven Cemetery, is located adjacent to the project area. A Cemetery Development Plan may be required since this project is within 100 feet of the cemetery. Coordination with INDOT Cultural Resources will occur.

Schools: Five (5) schools are located within the 0.5 mile search radius. No impact is expected by the proposed project to the schools as maintenance of traffic will maintain the existing number of travel lanes through the majority of construction; however, coordination with Holy Family Elementary School, Community Montessori, Green Valley Elementary School, Nathaniel Scribner Junior High School, and Children's Academy New Albany Early Learning will occur.

WATER RESOURCES:

The presence of the following water resources will require the preparation of a Waters of the US Report and coordination with INDOT ESD Ecology and Waterway Permitting:

- One (1) NWI-wetland is located adjacent to the project area.
- Two (2) lakes are located adjacent to the project area.
- The project area is located within 14 floodplain polygons (coordination only).
- Five (5) NWI-lines are located within the project area.
- Twelve (12) stream segments are located within the project area.
- One (1) sinking-stream basin is located within the project area (coordination only).

Four (4) 303d Listed Streams are located within the project area. Green Run, Lost Knob Brook, and two (2) UNTs to Falling Run are listed as impaired for E. coli.

- Green Run, Lost Knob Brook, and two (2) UNTs to Falling Run are listed for E. coli. Workers who are working in or near water with E. coli should take care to wear appropriate PPE, observe proper hygiene procedures, including regular hand washing, and limit personal exposure.

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS:

UST: Radio Transmitter Site, 414 Daisy Lane, New Albany, Indiana, AI # 32172. One 500 gallon diesel UST was closed in July of 1989. Impacted soil backfill was placed back into the excavation once removal was completed. Residual soil impacts remain on-site and the exact location of the site and the UST cavity is unknown. If excavation occurs in this

area, proper handling, removal, and disposal of soil and/or groundwater may be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.

NPDES Facilities: Three (3) NPDES facilities with active permits are located within or adjacent to the project area:

- Andres Center, permit expiration date February 12, 2022, is located adjacent to the project area. Coordination with the permit holder should occur.
- Fairfield Inn and Suites, permit expiration date September 4, 2022, is located within the project area. Coordination with the permit holder should occur.
- INDOT Des 1600310 Small Structure Replacement, permit expiration date April 22, 2023, is located within the project area. Coordination with the permit owner should occur.

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

Nicole Fohey-
Breting

Digitally signed by
Nicole Fohey-Breting
Date: 2022.02.03
14:01:54 -05'00'

INDOT ESD concurrence: _____ (Signature)

Prepared by:
Emma Schuster

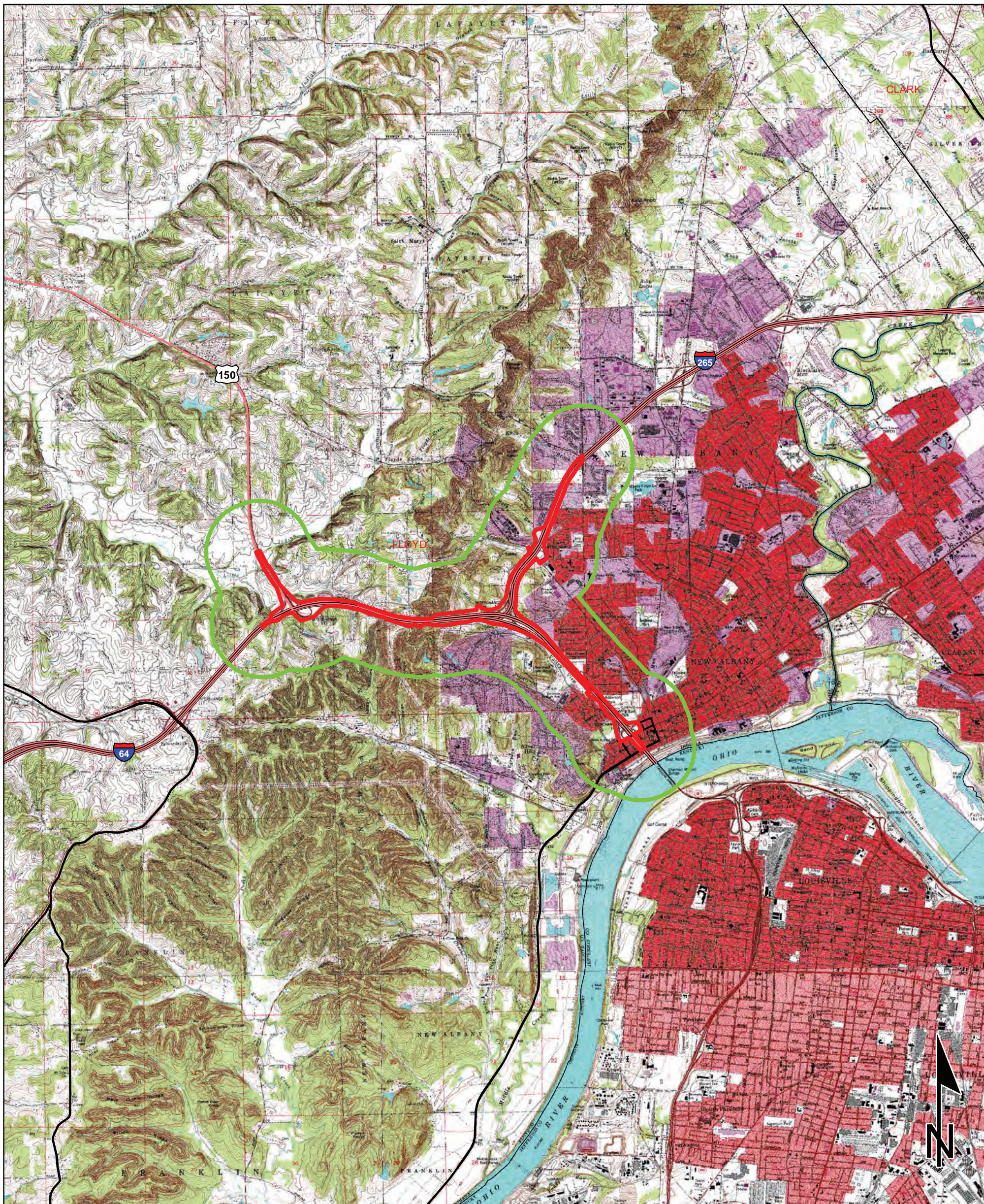
Environmental Scientist
VS Engineering, Inc.

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
MINING/MINERAL EXPLORATION: N/A
HAZARDOUS MATERIAL CONCERNS: YES

Red Flag Investigation - Site Location
 I-64, from US 150 to Main Street, and I-265, from I-64 to Green Valley Road
 Des. No. 1900162, Added Travel Lanes
 Floyd County, Indiana



Sources: 1 0.5 0 1 Miles
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83
 This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

**NEW ALBANY AND GEORGETOWN
 QUADRANGLES
 INDIANA
 7.5 MINUTE SERIES
 (TOPOGRAPHIC)**

Red Flag Investigation - Infrastructure

I-64, from US 150 to Main Street, and I-265, from I-64 to Green Valley Road

Des. No. 1900162, Added Travel Lanes

Floyd County, Indiana



State of Indiana

Sources: 0.65 0.325 0 0.65 Miles

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

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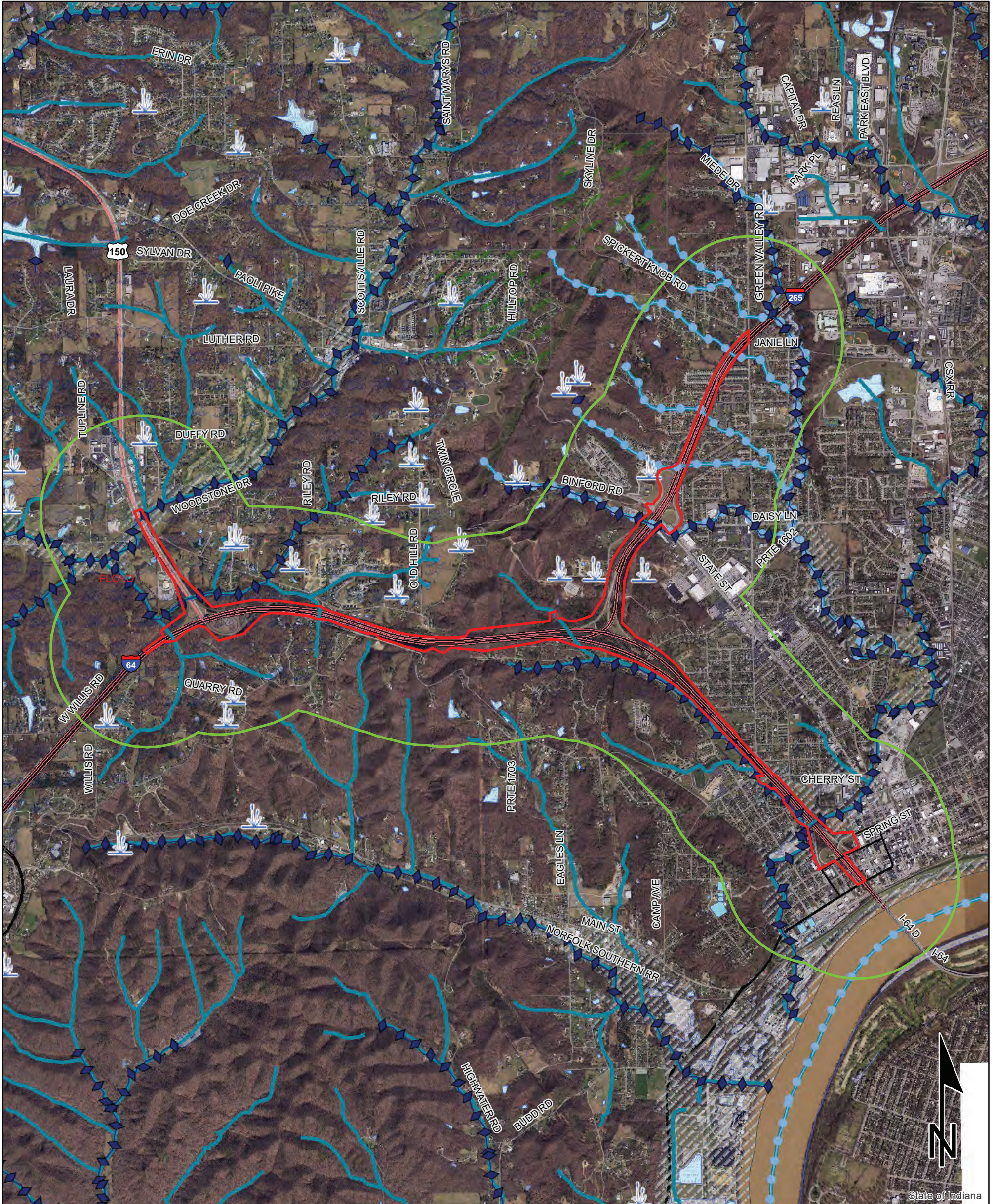
	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

Red Flag Investigation - Water Resources

I-64, from US 150 to Main Street, and I-265, from I-64 to Green Valley Road

Des. No. 1900162, Added Travel Lanes

Floyd 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

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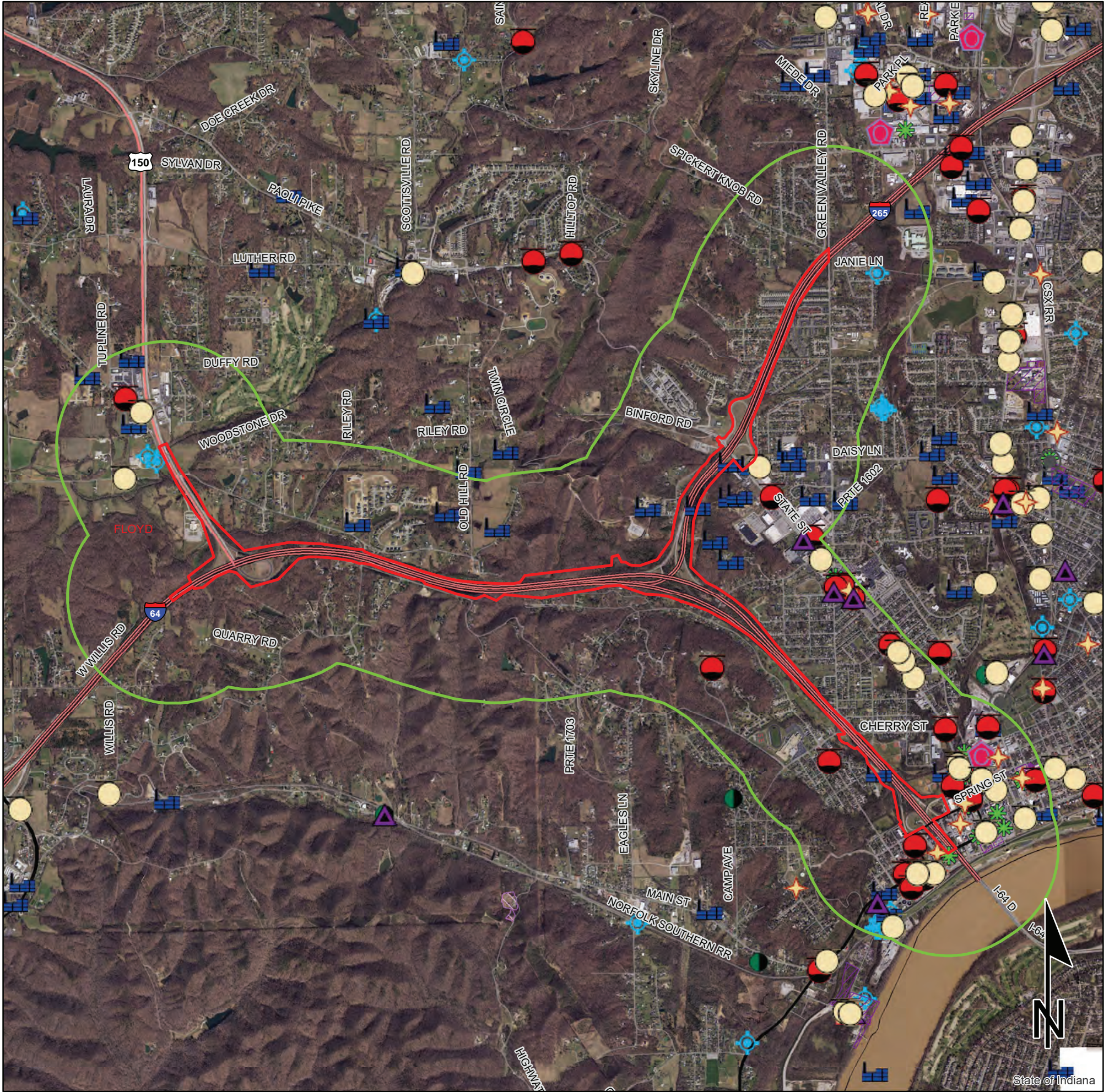
	NWI - Point		Wetlands		Project Area
	Karst Spring		Lake		Half Mile Radius
	NWI - Line		Floodplain - DFIRM		Toll
	Impaired_Stream_Lake		Cave Entrance Density		Interstate
	NPS NRI listed		Sinkhole Area		State Route
	River		Sinking-Stream Basin		US Route
	Canal Structure - Historic		County Boundary		Local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

Red Flag Investigation - Hazardous Material Concerns

I-64, from US 150 to Main Street, and I-265, from I-64 to Green Valley Road

Des. No. 1900162, Added Travel Lanes

Floyd County, Indiana



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

0.65 0.325 0 0.65 Miles

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

Des. No. 1900162

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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