

Appendix E

Red Flag Investigation and Hazardous Materials

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INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

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Eric Holcomb, Governor
Joe McGuinness, Commissioner

Date: April 25, 2017

To: Hazardous Materials Unit
Environmental Services
Indiana Department of Transportation
100 North Senate Avenue, Room N642
Indianapolis, Indiana 46204

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Re: RED FLAG INVESTIGATION
Des. Number 1400075
I-465 and I-69 Interchange Modification with Added Travel Lanes
Marion County, Indiana

NARRATIVE

The Indiana Department of Transportation (INDOT) proposes an Interchange Modification with Added Travel Lanes project in Marion County, Indiana. Specifically, the project is located in the Fishers and Indianapolis East Quadrangles, Sections 13, 14, 16, 21, 22, 23, 26, 27, and 35 of Township 17 North, Range 4 East and Sections 1 and 2 of Township 16 North, Range 4 East (39.894882 N, 86.054192 W). The project has three generalized sections. Section 1 begins along I-465 at the White River Bridge, 2.4 miles west of the I-69, and ends at the I-69 and I-465 Interchange. Sections 2A and 2B begin just south of East 75th Street and Binford Boulevard and travel north along I-69 to include two interchanges, the I-69 and I-465 interchange (Section 2A) and the I-69 and East 82nd Street interchange (Section 2B), and terminate approximately 1 mile north of I-465 (2.32 miles). Section 3 begins east of the I-465 and I-69 interchange and terminates approximately 2.15 miles south at the bridge over Fall Creek Road.

Existing Conditions: The existing cross section of I-465 west of the I-69 interchange, Section 1, is three travel lanes plus auxiliary lanes for ramps. The existing cross section of I-69, Section 2, is four travel lanes in each direction. There are two travel lanes in each direction plus auxiliary lanes along Binford Boulevard south of I-465. The existing cross section of I-465 east of the I-69 interchange, Section 3, is four lanes in each direction. Noise barrier walls are present for portions of Section 3 between Fall Creek Road and East 75th Street.

There are ten existing bridges involved in this project, which are summarized in the table below. These include two s-line bridges at Allisonville Road and East 82nd Street that were recently replaced or widened. There are three mainline bridges at I-465 over the I-69 southbound to I-465 southbound ramp, I-465 over Binford Boulevard, and I-69 over East 82nd Street. The I-69 Bridge over East 82nd Street was widened in 2001/2002.

The I-465/Allisonville Road interchange was reconfigured in 2014 from a diamond style to a single point urban interchange. The I-465/I-69 interchange is a partial cloverleaf with a semi-directional ramp. The I-69/East 82nd Street interchange is a folded diamond partial cloverleaf interchange.

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Bridge Summary Table

Bridge File Number	Location/Crossing	Scope of Work
I465-125-02377 BNBL	I-465 WB over I-69 SB to I-465 SB Ramp, ITM RR	Replace Superstructure w/ Semi-Integral EB's
I465-125-02377 JCSBL	I-465 EB over I-69 SB to I-465 SB Ramp, ITM RR	Replace Superstructure w/ Semi-Integral EB's
I465-125-05270 BNBL	I-465 WB over I-69, Binford Boulevard	Deck Widening and Replacement w/ Semi-Integral EB's
I465-125-05270 JCSBL	I-465 EB over I-69, Binford Boulevard	Deck Widening and Replacement w/ Semi-Integral EB's
I465-125-05271 B	I-465 SB Ramp over Binford Boulevard	Deck Replacement w/ Semi-Integral EB's
TBD	I-465 EB Ramp to I-69 NB over I-69, ITM RR	New Bridge (assumed 1 span)
TBD	I-465 EB Ramp to I-69 NB over I-465, Binford Boulevard Ramp	New Flyover Bridge (assumed 4 spans)
TBD	I-69 SB to I-465 WB over ITM RR	New Bridge (assumed 1 span)
TBD	I-69 SB Ramp to Binford Boulevard over I-69 Ramps to I-465	New Bridge (assumed 2 spans)
TBD	I-465 NB Ramp to I-69 NB over NB Binford Boulevard	New Braided Bridge (assumed 2 spans)
I69-200-05307 BNBL	I-69 NB over 82nd Street	Deck Widening and Polymeric Overlay with Joint Replacement
I69-200-05307 JCSBL	I-69 SB over 82nd Street	Deck Widening and Polymeric Overlay w/ Joint Replacement
I465-124-05268 CNBL	I-465 NB over 71st Street	Deck Widening and Replacement w/ Semi-Integral EB's
I465-124-05268 CSBL	I-465 SB over 71st Street	Deck Widening and Replacement w/ Semi-Integral EB's
I465-123-05267CNBL	I-465 NB over Fall Creek Road	Deck Widening and LMC Overlay w/ Semi-Integral EB's

WB = Westbound RR = Railroad EB= Eastbound NB= Northbound SB = Southbound

Proposed Project: The proposed project for Section 1 includes additional lanes from Allisonville Road to I-69 in the form of a median travel lane and two outside auxiliary lanes eastbound and two outside auxiliary lanes westbound. Existing pavement will be resurfaced.

The proposed project for Sections 2A and 2B includes the construction of a new southbound I-69 to southbound Binford Boulevard directional ramp as well as the reworking of the ramps from I-69 southbound to I-465. Additionally, the East 96th Street to East 82nd Street auxiliary lane will be extended down to the new Binford Boulevard ramp, a parallel exit to 82nd Street will be constructed, and an auxiliary lane from East 82nd Street to Binford Boulevard will be added.

The proposed project for Section 3 includes the construction of one auxiliary lane on the west side southbound and two auxiliary lanes on the east side northbound. These auxiliary lanes will allow for four travel lanes in each direction on I-465 and will connect with the East 56th Street/Shadeland Avenue interchange at the south end and the I-69 interchange at the north end.

The proposed project for I-465 along Sections 1 and 3 includes the milling and resurfacing of existing lanes. Added lanes will involve the new construction of an additional lane in the median as well as the construction of lanes to the outside of the cross section. The cross section will have a 5- to 6-foot paved inside shoulder and a 12-foot paved outside shoulder. The outside shoulder may need to be reduced to 10 feet depending on the embankment slopes. Also, a guardrail treatment may be necessary in some areas, but ideally a retaining wall should be avoided.

Right-of-Way: At present, the exact amounts of additional temporary or permanent right-of-way needed are unknown but anticipated to be minimal except for the vacant, wooded parcel northwest of the I-465/I-69 interchange, which covers approximately 18.5 acres. During initial project scoping, this parcel was presumed to be owned by INDOT, which conflicts with City of Indianapolis online records (Source: maps.indy.gov/MapIndy/). The roadways and interchanges will remain open during construction utilizing lane closures.

SUMMARY

Infrastructure			
Indicate the number of items of concern found within half-mile, including an explanation why each item within the half-mile radius will/will not impact the project. If there are no items, please indicate N/A:			
Religious Facilities	1	Recreational Facilities	5
Airports	3	Pipelines	4 (7 segments)
Cemeteries	1*	Railroads	1
Hospitals	1 plus 1 unmapped	Trails	2 (3 segments) plus 1 unmapped
Schools	8 mapped (includes 2 erroneous)	Managed Lands	6 (10 polygons)

Explanation:

Religious Facilities: One religious facility (Faith Presbyterian Church) is mapped within a half-mile of the project area, about 0.3 mile east of the I-69 and East 82nd Street Interchange (Section 2). This church is not anticipated to be impacted by this project, except for minor inconveniences from the maintenance of traffic (MOT).

Airports: Two airports are mapped within a half-mile of the project area (Section 2). One facility is a private heliport situated approximately 0.2 mile west of the northern project terminus. The other is a private airstrip located about 0.2 mile west of the southern project terminus. These facilities are not anticipated to be impacted by this project. Additionally, the Indianapolis Metropolitan Airport is located within 3.8 miles of all three Sections. Coordination with the INDOT Office of Aviation and private airports should occur.

Cemeteries*: One cemetery was identified within the project area northwest of the I-465/I-69 interchange in Section 2 (based on the USGS 7.5 Minute Topographical Map). This cemetery was previously moved by INDOT as part of a separate project. When right-of-way acquisitions are more defined, the Section 106 process will be initiated and coordination with the INDOT Cultural Resources Office (CRO) will be conducted.

Hospitals: One mapped hospital is located within a half-mile of the project area (Section 2). Fairbanks Hospital is approximately 0.2 mile to the southeast of the I-69 and East 82nd Street interchange. Community Hospital North (unmapped on the GIS database) is co-located on this campus at 7150 Clearvista Parkway. These hospitals will be coordinated with throughout the project development process.

Schools: A total of eight schools are mapped within a half-mile of the project area. Two mapped schools are erroneous based on database addresses and visual observations. “Fishers Town of Hailton S School [sic]” has no address in the GIS database and is mapped at an apartment complex on Ivy Knoll Court. Additionally, “Fishers United Methodist Church” is mapped as a school with a database address of “9690 E 116th Street” which is several miles north of the project area. Impacts to these schools are not anticipated.

Six schools are located within a half-mile of the project area, including two that are adjacent: Heritage Christian School (Section 2) and Skiles Test Elementary (Section 3). Heritage Christian is a K-12 private school at the southeast corner of Binford Boulevard and East 75th Street, near the southern boundary of the I-69/I-465 interchange (Section 2). Skiles Test Elementary public school is located southwest of the I-465 over East 71st Street bridge (Section 3) at 7001 Johnson Road.

Other schools mapped within a half-mile of the project area include Abundant Life preschool and elementary at 7606 East 82nd Street (Section 2), La Petite Academy Castleton preschool at 8259 Clearvista Parkway (Section 3), Northwood University private college at 7321 Shadeland Station Way (Section 3), and Castleton United Methodist nursery school (Section 3).

None of these schools are anticipated to be directly impacted by this project. Due to their proximity to the project area, Heritage Christian School and Metropolitan School District of Lawrence Township will be coordinated with throughout the development process. Skiles Test Elementary has potential 4(f) resources (recreational areas). If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation.

Recreational Facilities: There are five recreational facilities within a half-mile of the project area. Section 1 contains two mapped recreational facilities including one that is adjacent to the project area, Town Run Trail Park, a public park with mountain biking trails owned by the City of Indianapolis (Indy Parks). This 127-acre park has nine miles of dirt trails and is located near the beginning of Section 1, north and south of I-465. A trail is located beneath the I-465 White River Bridge along the west bank. This property will be coordinated with throughout the project development process. It may be considered a Section 4(f) resource. If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation.

Lawrence North High School, 7802 North Hague Road, is mapped as a recreational facility approximately one-half-mile east of the project area (Sections 2 and 3). This school and its facilities are not anticipated to be impacted by this project.

Skiles Test Elementary School, 7001 Johnson Road, is mapped as a recreational facility and is adjacent to the west of the project area (Section 3). It is a public school operated by the Metropolitan School District of Lawrence Township. Woollen Gardens Nature Preserve and Skiles Test Nature Park are adjacent to the west of the southern project area (Section 3). These public parks are owned by the City of Indianapolis (Indy Parks) and may be impacted by this project. These properties will be coordinated with throughout the project development process. They may be considered Section 4(f) resources. If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation.

A mapped recreational area entitled “Just-Us Riding Stables” is located within a half-mile of the project area (Section 3) at 7390 Johnson Road. This is located approximately 0.1 mile west of the project area and is not anticipated to be impacted.

Pipelines: Within the half-mile search radii, there are four pipelines in Section 1 (seven segments); three of these are also within Section 2 (five segments), of which two are in Section 3 (three segments). Pipelines identified within a half-mile of the project area convey natural gas and are owned by Citizens Gas & Coke Utility (aka Citizens Energy Group). These pipelines cross the project area in four locations (Sections 1, 2 and 3) and will be impacted by this project. Citizens Energy Group and INDOT Utilities and Railroads will be coordinated with throughout the project development process.

Railroad: One railroad, owned by The Indiana Rail Road Company (INRD), is located within the half-mile search radius and is within Section 2. This railroad roughly parallels I-69 and is 0.20 mile west of the I-465/I-69 interchange. The proposed project includes upgrading two existing bridges that convey I-465 over this railroad and constructing a new bridge to convey the southbound I-69 ramp to westbound I-465 over this railroad. The INRD and INDOT Utilities and Railroads will be coordinated with throughout the project development process.

Trails: There are three trails within a half-mile of the project area. There is one trail mapped near the beginning of Section 1 at the Town Run Trail Park, previously discussed under Recreational Areas. The Indy Greenway Fall Creek Trail (two segments) crosses the project area at the southern terminus of Section 3. These properties are owned by the City of Indianapolis (Indy Parks), who will be coordinated with throughout the project development process. Additionally, an unmapped trail (constructed circa 2015) is located beneath the I-465 bridge over East 71st Street, which is owned by the City of Indianapolis and maintained by the Department of Public Works (Indy DPW). These trails are likely Section 4(f) resources. If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation.

Managed Lands: There are six managed lands within a half-mile of the project area. There is one managed land (3 polygons) within Section 1: Town Run Trail Park, previously discussed under Recreational Areas. The property will be coordinated with throughout the project development process.

There is one managed land within a half-mile of Section 2, Sahn Golf Course, a public golf course owned by City of Indianapolis (Indy Parks). It is situated approximately 0.3 mile west of the northern project area and is not anticipated to be impacted by this project.

There are four managed lands (6 polygons) within one-half-mile of Section 3. Woolen Gardens, Skiles Test Nature Park, and Indy Greenway Fall Creek Trail were previously discussed under Recreational Areas and Trails. These public parks are owned by the City of Indianapolis (Indy Parks) and may be impacted by this project. These properties will be coordinated with throughout the project development process. They may be considered Section 4(f) resources. If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation. Additionally, Fort Harrison State Park, including Fall Creek Bluffs Nature Preserve, managed by IDNR, is located approximately 0.4 mile east of the southern portion of the project (Section 3) and is not anticipated to be impacted.

Water Resources			
Indicate the number of items of concern found within half-mile, including an explanation why each item within the half-mile radius will/will not impact the project. If there are no items, please indicate N/A:			
NWI - Points	N/A	NWI - Wetlands	83 polygons
Karst Springs	N/A	IDEM 303d Listed Lakes	N/A
Canal Structures – Historic	N/A	Lakes	62 polygons
NWI - Lines	3 (6 segments)	Floodplain - DFIRM	70 polygons
IDEM 303d Listed Rivers and Streams (Impaired)	3 (5 segments)	Cave Entrance Density	N/A
Rivers and Streams	6 (42 segments)	Sinkhole Areas	N/A
Canal Routes - Historic	N/A	Sinking-Stream Basins	N/A
Urbanized Area Boundary	Yes	NPS NRI Listed	4 segments

Multiple surface water resources are located within the project area. A Waters of the US Report will be prepared to document jurisdictional resources and coordination with INDOT Ecology and Waterway Permitting Office (EWPO) will occur.

Explanation:

NRI Listed: Four (4) river segments associated with the White River are located within the half-mile search radius associated with Section 1. The river is adjacent to the proposed project area; therefore, coordination with National Parks Service and US Department of Agriculture will be necessary.

NWI – Lines: There are three NWI lines (six segments) mapped within a half-mile of the project area, however none of them cross the project area.

IDEM 303d Listed Rivers and Streams (Impaired): There are three mapped impaired rivers and streams within a half-mile of the project area that are on the Indiana Department of Environmental Management (IDEM) 303d Listed Rivers and Streams: White River (3 segments), Fall Creek, and White River – Haverstick Creek/Howland Ditch Tributaries. Both the White River and Fall Creek cross the project area. Parsons searched the IDEM online e303d Tool (<http://www.in.gov/idem/nps/3474.htm>) on October 26, 2016 for further information. Both waterways are listed as impaired due to the presence of *E. Coli* and polychlorinated biphenyls (PCBs). Fishing use has an advised restriction (specifically, 5B) due to PCBs in edible tissues of fish exceeding human health criteria. However, recreational use is listed as 4A, in-attainment of all applicable water quality standards (for swimming, etc.) for both waterways. Currently proposed work on the bridges over White River and Fall Creek is minimal, such as pavement restriping and MOT signage. If the proposed project will involve direct contact with waterbodies or sediments, additional health and safety and/or disposal requirements may be necessary. Applicable agencies will be coordinated with, and any comments received will be incorporated into the environmental document.

Rivers and Streams: There are six rivers and streams (42 segments) mapped within a half-mile of the project area, including the following that cross the project area: White River (Section 1), Dry Run (Section 1), Hillsdale Run (Section 2), Blue Creek (Section 3), and an unnamed tributary to Blue Creek (Section 3).

NWI - Wetlands: Eighty-three NWI wetland polygons are mapped within a half-mile radius the project area. None of these are mapped within the project area. Several mapped wetlands are adjacent to the project area in Section 1 and Section 2.

Lakes: Sixty-two lake polygons are mapped within a half-mile radius of the project area. None are located within the project area, but there are some lakes mapped as adjacent to the project area north and south of I-465 to the east of the White River (Section 1), north of I-465 near Dry Run (Section 1), and south of the I-69/I-465 interchange near Hillsdale Run (Section 2). Currently, no lakes are expected to be impacted by the proposed project.

Floodplain: Seventy floodplain polygons are mapped within a half-mile radius of the project area. There are three floodplains that cross the project area, which are associated with the White River (Section 1), Dry Run (Section 1), and Fall Creek (Section 3).

Urbanized Area: The project is within the City of Indianapolis, which has a Municipal Separate Storm Water System (MS4) permit. Post construction Storm Water Quality Best Management Practices (BMPs) may need to be considered. An early coordination letter with topographic and aerial maps showing the project area should be sent to the City of Indianapolis MS4 Coordinator.

Mining/Mineral Exploration			
Indicate the number of items of concern found within half-mile, including an explanation why each item within the half-mile radius will/will not impact the project. If there are no items, please indicate N/A:			
Petroleum Wells	7	Petroleum Fields	1
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

Petroleum Wells: There are seven mapped petroleum wells within a half-mile of the project area, including two within the project area in Section 1 near the I-465/Allisonville Road interchange. Coordination with IDNR Oil and Gas Division will occur.

Petroleum Fields: Most of the project area is within the Trenton Field of Indiana, an oil and gas field that covers much of east-central Indiana. Since the project is in an urban area within the City of Indianapolis and the oil and gas field is over 500 feet below surface grade, no impact is expected.

Hazmat Concerns			
Indicate the number of items of concern found within half-mile, including an explanation why each item within the half-mile radius will/will not impact the project. If there are no items, please indicate N/A:			
Brownfield Sites	1	Restricted Waste Sites	N/A
Corrective Action Sites (RCRA)	N/A	Septage Waste Sites	N/A
Confined Feeding Operations	N/A	Solid Waste Landfills	N/A
Construction Demolition Waste	N/A	State Cleanup Sites	5
Industrial Waste Sites (RCRA Generators)	17	Tire Waste Sites	N/A
Infectious/Medical Waste Sites	N/A	Waste Transfer Stations	N/A
Lagoon/Surface Impoundments	N/A	RCRA Waste Treatment, Storage, and Disposal Sites (TSDs)	N/A
Leaking Underground Storage Tanks (LUSTs)	22	Underground Storage Tanks	14
Manufactured Gas Plant Sites	N/A	Voluntary Remediation Program	1
NPDES Facilities	N/A	Superfund	N/A
NPDES Pipe Locations	2	Institutional Control Sites	4
Open Dump Sites	N/A		

Explanation:

Brownfields: There is one mapped Brownfield facility, located about 0.1 mile west of the project area (Section 1), which was researched further on the IDEM Virtual File Cabinet (VFC) on October 26, 2016.

- Fifth Quarter Restaurant Property is located at 8225 Allison Pointe Trail, Agency Interest Identification Number (AI#) 4990026. This facility was investigated in 1998 because it is adjacent to a leaking underground storage tank (LUST) facility. The subsurface investigation identified contaminated groundwater attributed to the adjoining Speedway gasoline station at 8202 Allisonville Road (AI# 12456), which has since received No Further Action Status (VFC Document #70258681, July 2014). There are no anticipated impacts associated with this facility.

Industrial Waste Sites (RCRA Generators): There are 17 hazardous waste generators mapped within a half-mile of the project area (the closest one being less than 0.1 mile away, near East 86th Street and Allisonville Road). None of these sites are located within existing right-of-way. VFC records for these facilities were searched on October 26, 2016, and none of these facilities appear to be in Resource Conservation and Recovery Act (RCRA) Corrective Action. Facilities of interest are discussed further below:

- Best Access System (6161 East 75th Street, AI# 10851), aka Stanley Security Systems, is situated adjacent to the west side of the southern terminus of Section 2. This facility manufactures security systems (e.g., metal locks) and is a large quantity generator of hazardous waste (VFC Document #80213072, February 2016). The VFC file indicates it has handled hazardous wastes, including electroplating sludge and perchloroethylene (PCE, a chlorinated solvent), since at least 1980 and has been a manufacturer since the 1920s (VFC Document #40843364, March 1988). A Consent Decree for hazardous waste violations was signed in 1986 (VFC Document #66102331, January 1986). Investigations for a LUST incident at this facility estimated shallow groundwater (less than five feet below ground surface) flows to the northwest, away from the preferred alignment (VFC Document #68772355, December 2012). The gasoline LUST incident received No Further Action status in 2013 (VFC Document #68197762, April 2013). The VFC file contains a few spill reports, such as waste water that “may have contained chromium, copper, lead, nickel, and zinc” (VFC Document #60746928, August 1990) and a spill of “dilute chromic acid and nickel” that affected a “drainage ditch on property” in 1990 (VFC Document #54123124, July 1990).
- Tuchman Cleaners No. 25 (8615 Allisonville Road, AI# 391749) is located adjacent to the northeast side of the northern project terminus along Allisonville Road in Section 1. This facility received a violation relating to paperwork in 1997 (VFC Document #41099373, November 1997).
- Universal Tool & Engineering Company, Incorporated, aka Delco Remy (7601 East 88th Place, AI# 25052) is located less than 0.1 mile northeast of the northern terminus of Section 2. This was a machine shop with six buildings that, at times, leased to Allison Transmission Plant 2 and Delphi Battery (aka Delphi Energy, discussed further below). This facility was a large quantity generator of hazardous wastes with a history of violations. Wastes included lead oxide, sulfuric acid, paint thinner, spent solvents (including chlorinated solvents), and oily wastes (VFC Document #31893546, May 2001).
- Delphi Energy & Chassis Systems (8750 Hague Road, AI# 23954) is co-located with the above-listed property. This facility was a large quantity generator of hazardous waste and received a violation in 2006 for paperwork (VFC Document #65610784, January 2007). Generated wastes included “cracked and drained lead acid batteries” (VFC Document #30006702, March 2004).

Based on historical use and IDEM documentation, the above-listed facilities have the potential to negatively impact soil, groundwater, and/or utilities. Once further details about right-of-way, utility relocations, and ground disturbance are established, further evaluation of these properties may be warranted.

Leaking Underground Storage Tanks (LUSTs): There are 22 LUST facilities within a half-mile of the project area. Although three are mapped within existing project right-of-way, based on visual observations and aerial photographs, these facilities are situated adjacent to or near the right-of-way. The nearest active LUST facility is described below.

- Kittles Home Furnishings (8600 Allisonville Road, AI# 21862) is located adjacent to the northwest side of the I-465/Allisonville Road interchange in Section 1. A suspected release of petroleum was reported in 1990 (VFC Document #23695103, May 1990). A 10,000-gallon fuel oil UST and a 5,000-gallon gasoline UST were removed in May 1990 and the area was over-excavated (VFC Document #23695105, June 1990). There are no IDEM review letters, closure letters, etc., in the VFC file.

The nearby LUST facilities have the potential to negatively impact soil, groundwater, and/or utilities. Once further details about right-of-way, utility relocations, and ground disturbance are established, further evaluation of LUST facilities may be warranted.

NPDES Pipe Locations: There are two mapped National Pollutant Discharge Elimination System (NPDES) pipe locations within a half-mile of the project area, near Section 3 (the closest one being about 0.1 mile east near I-465 and Fall Creek Road). These pipes are associated with Indianapolis Belmont & Southport Advanced Wastewater Treatment (AWT)

plants and are labeled as “INACTIVE” since June 2013. Coordination with the City of Indianapolis storm water (MS4) administrator will occur with this project. The project is not anticipated to impact these inactive NPDES pipes.

State Cleanup Sites: There are five State Cleanup sites mapped within a half-mile of the project area. Records for these facilities were reviewed on the VFC on October 26, 2016. None of these sites are located within existing right-of-way and one is erroneously mapped (AMLI Residential, AI# 23194, is situated in Carmel, more than 5 miles north of the project area). The nearest facility is described further below.

- U Haul (7027 East 86th Street, AI# 16483) is located 0.12 mile west of I-69, Section 2. This automotive maintenance facility had releases of petroleum products, metals and chlorinated solvents. Groundwater monitoring is on-going but contamination appears to be limited to the facility (VFC Document #8331203, July 2016). Based on distance and regulatory status this facility is not anticipated to impact the project area.

Underground Storage Tanks (USTs): There are 14 registered UST sites within a half-mile of the project area. Records for these facilities were researched on the VFC on October 27, 2016. The facility nearest the project area (Section 2) is discussed below.

- Heritage Christian School (6401 East 75th Street, AI# 19161) is located adjacent to the south side of Binford Boulevard near the southern terminus of Section 2. This facility had two registered USTs that have no reported releases and have not been active since circa 1990 (VFC Document #24136914, August 1991).

Once further details about right-of-way, utility relocations, and ground disturbance are established, further evaluation of UST facilities may be warranted.

Voluntary Remediation Program (VRP): There is one VRP site within a half-mile of the project area, which was researched on the VFC on October 26, 2016.

- Indy Tire (6362 East 82nd Street, AI# 17951) is located approximately 0.4 mile northeast of I-465, Section 1. This facility received a Certificate of Completion July 9, 2001 (VFC Document #46957125) for contamination from a release of waste oil to soil and groundwater. Based on distance and closure documentation, there are no anticipated impacts associated with this facility.

Institutional Control (IC) Sites: There are four properties within a half-mile radius of the project area mapped on the IC database, which were researched on the VFC on October 27, 2016. None of the sites are located within the project area or anticipated right-of-way. Properties of interest are discussed below.

- Former Classic Cleaners (8202 Clearvista Parkway Building 1, AI#24260) is situated less than 0.1 mile east of the I-69/82nd Street interchange in Section 2. This former dry cleaner property operated from 1995 to 2000 and achieved No Further Action status on December 14, 2011 (VFC Document #64508305; December 2011). Groundwater contaminated with chlorinated solvents remained at the property but appeared to be relatively confined and utilities did not appear to be impacted. An environmental restrictive covenant (ERC) was placed on the real property deed at the Marion County Recorder’s office on September 26, 2011 that restricts residential land use and drinking water wells (VFC Document #63692763, September 2011).
- Amoco SS 20251 (6840 East 82nd Street, AI# 16815) is located approximately 0.05 mile west of the I-69/East 82nd Street interchange in Section 2. This facility had releases of gasoline from USTs to the soil and groundwater. Contaminated soil was removed in 2009 and impacted groundwater remained. An ERC was recorded on October 18, 2012 that restricts residential use and groundwater extraction (VFC Document #67347658, October 2012).

The nearby IC properties have the potential to negatively impact soil, groundwater, and/or utilities. Once further details about right-of-way, utility relocations, and ground disturbance are established, further evaluation of IC properties may be warranted.

Ecological Information

The Marion 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 review of the USFWS database did not indicate the presence of endangered bats in or within 0.5 mile of the project area. Additional investigation to confirm the presence or absence of bats at all bridges, culverts, and forested areas will be necessary. Preparation of the Scoping Sheet for the Indiana Bat and Northern Long-Eared Bat Range-Wide Programmatic Information Consultation will be necessary. If applicable, preparation of the Project Submittal Form for Range-Wide Programmatic Consultation for Indiana Bat and Northern Bat will be required.

USFWS and IDNR will be coordinated with concerning the impacts of this project. Any comments received from these agencies will be incorporated into the final National Environmental Policy Act (NEPA) document for this project.

Cultural Resources

The Section 106 process, including coordination with INDOT CRO, will be initiated when right-of-way acquisitions are better defined. All commitments received from the Section 106 process will be incorporated in the final environmental document for this project.

RECOMMENDATIONS

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

INFRASTRUCTURE:

Coordination with the INDOT Office of Aviation and private airports should occur.

Community Hospital North and the affiliated Fairbanks Hospital will be coordinated with during the project development.

Heritage Christian School and Skiles Test Elementary (Metropolitan School District of Lawrence Township) will be coordinated with during this project development. Skiles Test Elementary is likely a 4(f) resource. Therefore, if impacts to the resource are proposed, the project will be evaluated to determine the appropriate level of involvement and documentation.

Indy Parks, who manages Woollen Gardens Nature Preserve, Skiles Test Nature Park, Indy Greenway Fall Creek Trail, and Town Run Trail Park, and Indy DPW who manages the East 71st Street Trail, will be coordinated with during the project development process. These properties may be considered Section 4(f) resources. If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation.

The pipelines, operated by Citizens Energy Group, and other utilities that cross the project area will be coordinated with during project development, and any impacts will be appropriately mitigated for. Coordination with INDOT Utilities and Railroads should occur.

The railroad that crosses the project area, INRD and INDOT Utilities and Railroads, will be coordinated with during project development.

IDNR, who manages Fall Creek Bluffs Nature Preserve, and Indy Parks, who manages Woollen Gardens Nature Preserve, Skiles Test Nature Park, Indy Greenway Fall Creek Trail, and Town Run Trail Park, will be coordinated with during the

project development process. If impacts will occur, the project will be evaluated to determine the appropriate level of involvement and documentation.

WATER RESOURCES: Multiple potential water resources are present within and near the proposed project. A waters of the U.S. report and coordination with INDOT ES Ecology and Waterway Permitting will occur due to the following resources:

- Several wetlands are located adjacent to the project area in Section 1 and Section 2.
- Several lakes are located adjacent to the project area in Section 1 and Section 2.
- Four river segments, associated with the White River, Dry Run, Hillsdale Run, and Blue Creek cross the project area in Sections 1 through 3.
- Portions of the project area within Section 1 and Section 2 are located within floodplains.

Coordination with INDOT ES Ecology and Waterway Permitting will occur.

The City of Indianapolis storm water administrator in charge of the MS4 permit will be coordinated with throughout this project.

Lastly, a NRI listed river, the White River, is located adjacent to the project area in Section 1. Coordination with National Park Service and U.S. Department of Agricultural will be necessary.

If workers may have direct contact with the White River or Fall Creek, or sediments may be disturbed, additional health and safety measures and/or disposal requirements may be needed.

MINING/MINERAL EXPLORATION: Two petroleum wells are mapped within the project limits, coordination with IDNR Oil and Gas Division will occur.

HAZMAT CONCERNS: Multiple hazmat sites were identified within a half-mile of the project area. Once further details about right-of-way, utility relocations, and ground disturbance are established, further evaluation of hazmat properties will occur, and this draft RFI will be updated and resubmitted for approval and signature.

ECOLOGICAL INFORMATION: Additional investigation to confirm the presence or absence of bats at all bridges, culverts, and forested areas will be necessary. Preparation of the Scoping Sheet for the Indiana Bat and Northern Long-Eared Bat Range-Wide Programmatic Information Consultation will be necessary. Appropriate agencies will be coordinated with concerning the impacts of this project. Any comments received from these agencies will be incorporated into the final NEPA document for this project.

CULTURAL RESOURCES: Due to the scope, full 106 coordination will be necessary. Coordination will occur with INDOT ES Cultural Resources.

INDOT Environmental Services concurrence:

Approved via the Addendum (see Appendix E-29 to E-30).

(Signature)

Prepared by:



Juliet Port, LPG
Senior Environmental Planner
Parsons

Graphics:

A map for each report section with a half-mile 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:

GENERAL SITE MAPS SHOWING PROJECT AREA: YES (Attachment A-1)

INFRASTRUCTURE: YES (Attachments A-2 through A-4)

WATER RESOURCES: YES (Attachments A-5 through A-7)

MINING/MINERAL EXPLORATION: YES (Attachments A-8 through A-10)

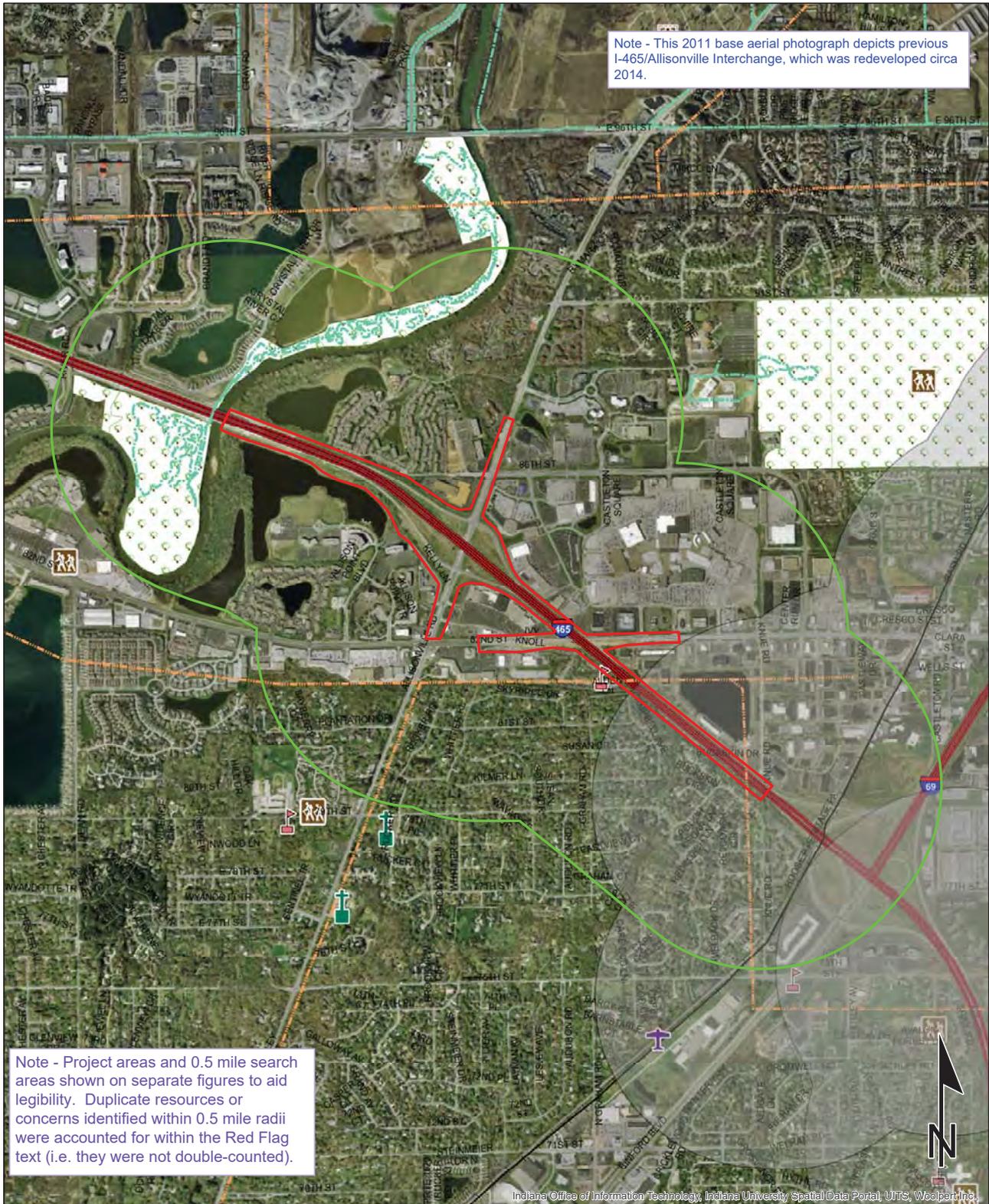
HAZMAT CONCERNS: YES (Attachments A-11 through A-13)

Red Flag Investigation - Infrastructure - Section 1

2.4 miles West of the I-69 (White River Bridge) to the I-69 and I-465 Interchange

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana



Sources: 0.35 0.175 0 0.35 Miles

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

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

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

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

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

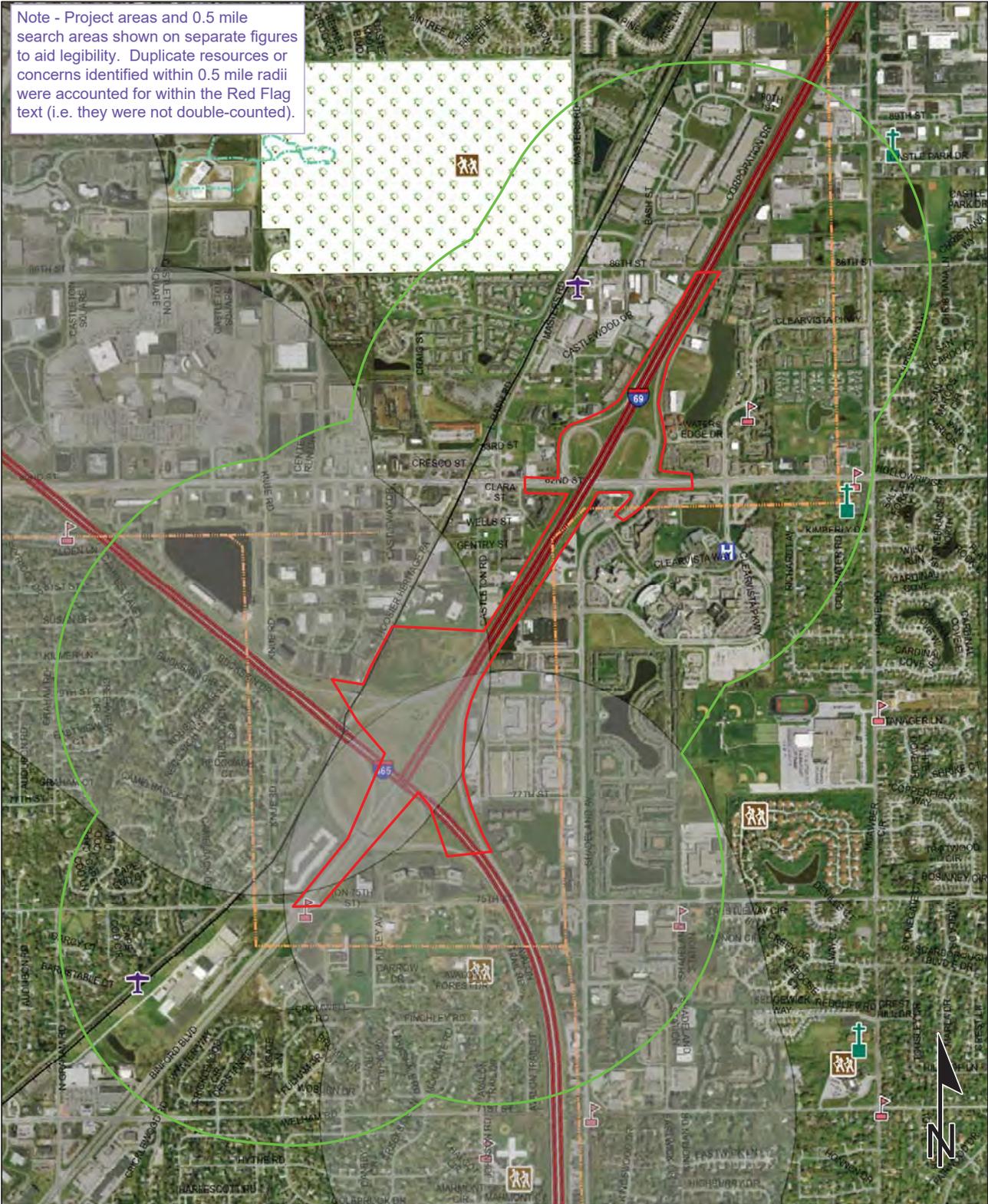
Red Flag Investigation - Infrastructure - Section 2

I-69 and I-465 Interchange to Approximately 1 Mile North of I-69

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana

Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).



Sources: 0.3 0.15 0 0.3 Miles

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

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

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

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

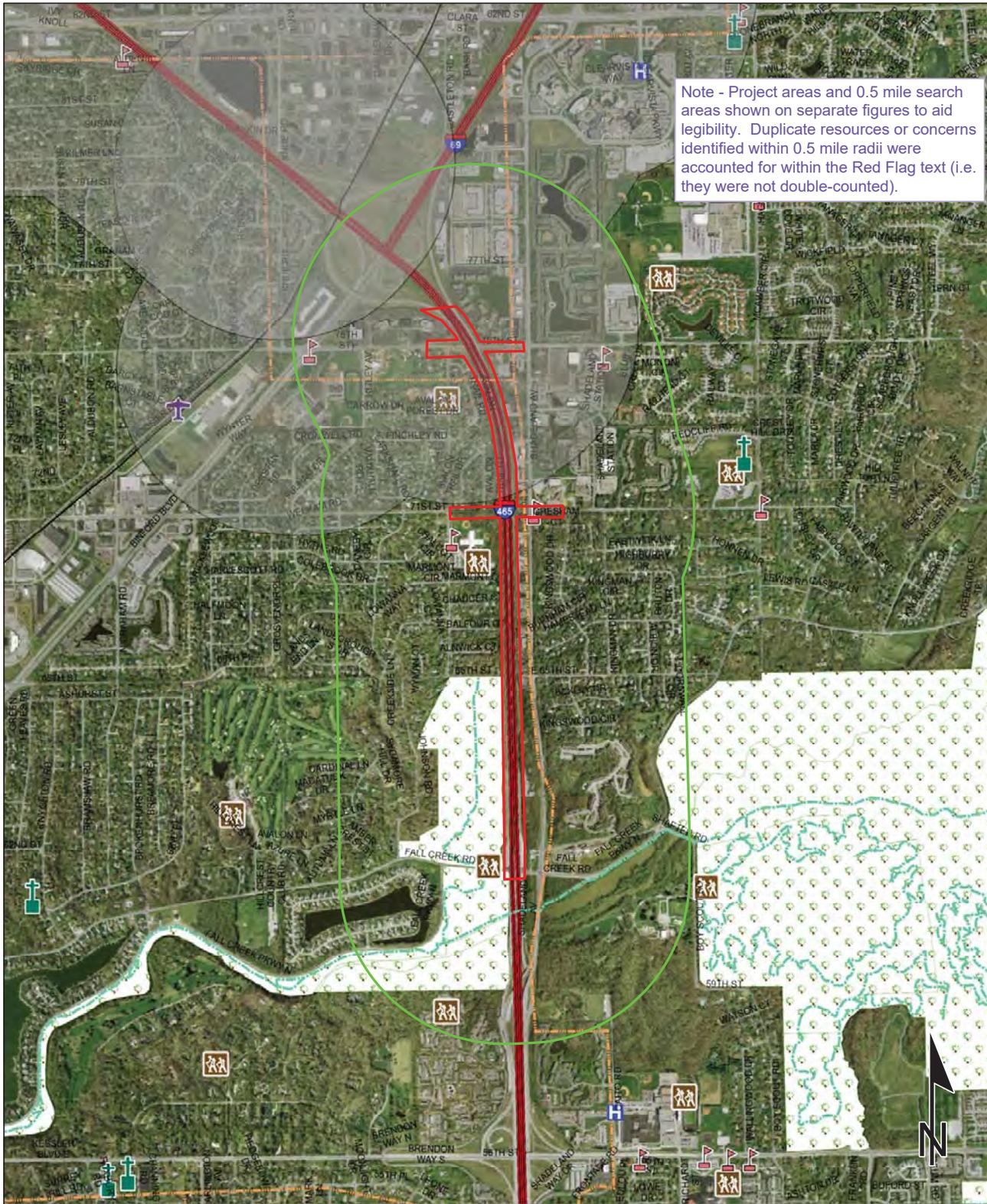
	Religious Facility		Recreation Facility		Project Area
	Religious Facility Indiana Map		Pipeline		Half Mile Radius
	Airport		Railroad		Interstate
	Cemeteries		Trails		State Route
	Hospital		Managed Lands		US Route
	School		County Boundary		Local Road

Red Flag Investigation - Infrastructure - Section 3

I-465 South Approximately 2.15 Miles to Bridge Over Fall Creek Rd

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana



Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).

Sources: 0.35 0.175 0 0.35 Miles
Non Orthophotography
 Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
 Map Projection: UTM Zone 16 N Map Datum: NAD83

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

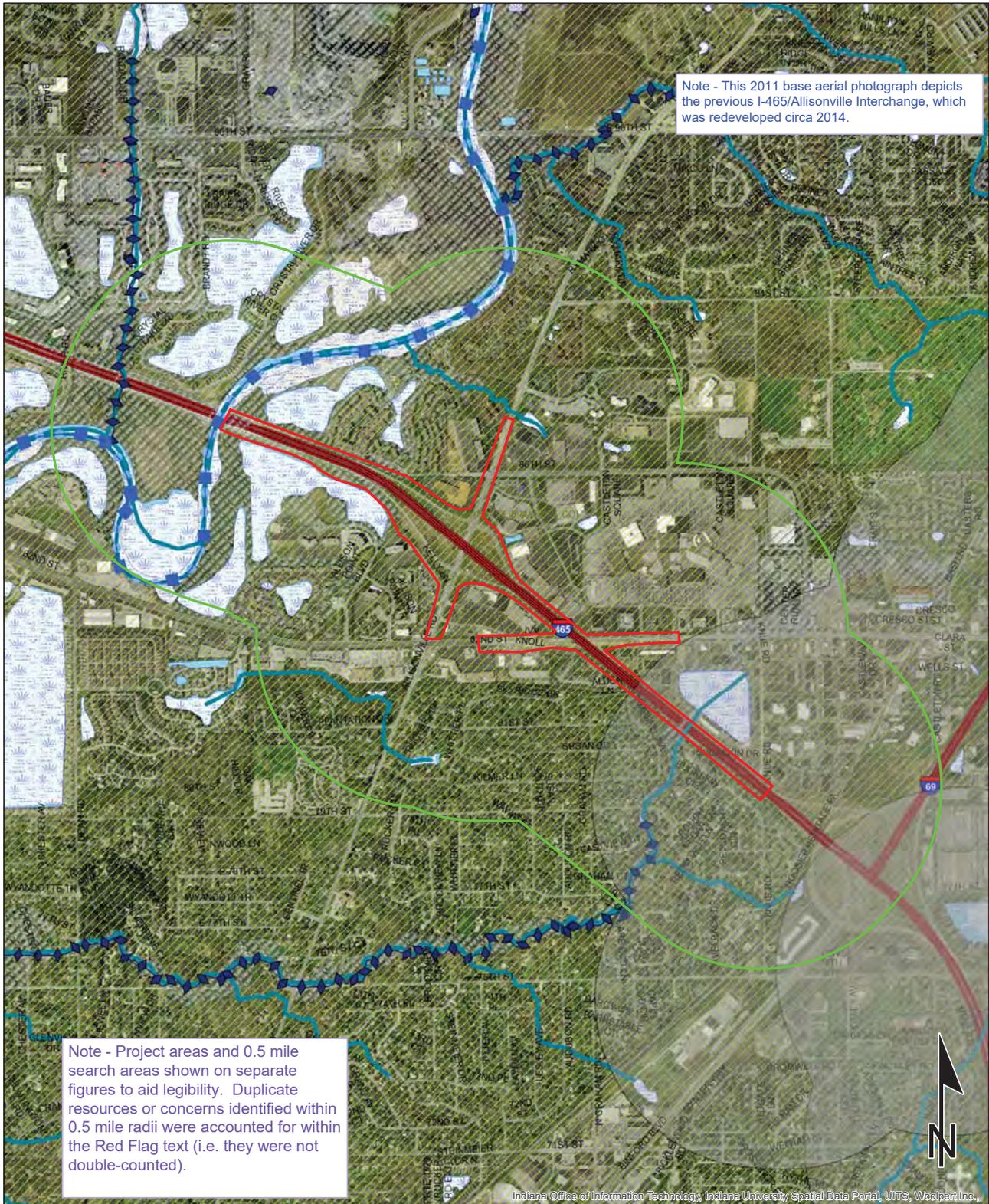
	Religious Facility		Recreation Facility		Project Area
	Religious Facility		Pipeline		Half Mile Radius
	Airport		Railroad		Interstate
	Cemeteries		Trails		State Route
	Hospital		Managed Lands		US Route
	School		County Boundary		Local Road

Red Flag Investigation - Water Resources - Section 1

2.4 miles West of the I-69 (White River Bridge) to the I-69 and I-465 Interchange

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion 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.



	NW1 - Point		Wetlands		Project Area
	Karst Spring		Lake - Impaired		Half Mile Radius
	Canal Structure - Historic		Lake		Interstate
	NW1 - Line		Floodplain - DFIRM		State Route
	Stream - Impaired		Cave Entrance Density		US Route
	NPS NRI listed		Sinkhole Area		Local Road
	River		Sinking-Stream Basin		
	Canal Route - Historic		County Boundary		

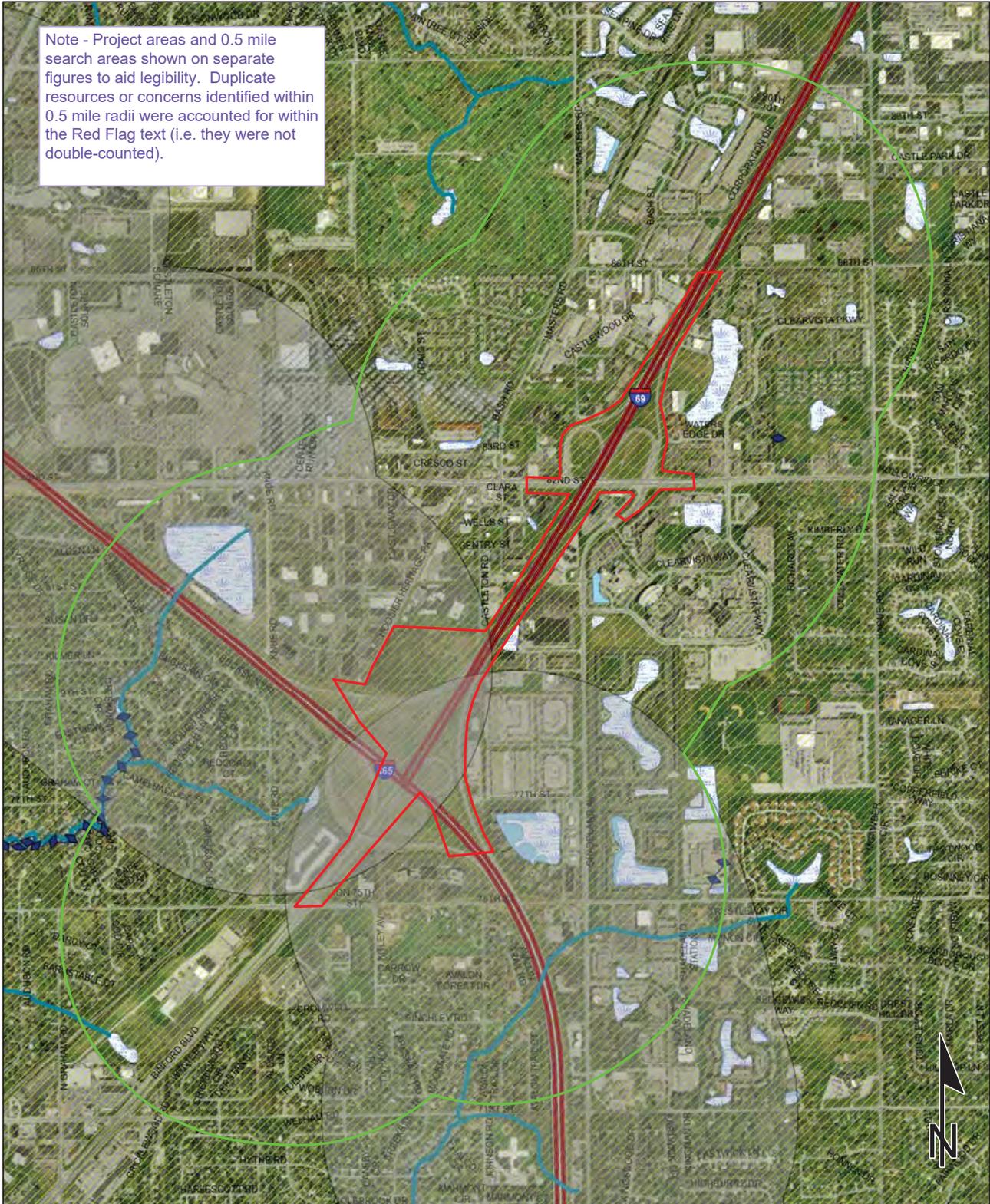
Red Flag Investigation - Water Resources - Section 2

I-69 and I-465 Interchange to Approximately 1 Mile North of I-69

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana

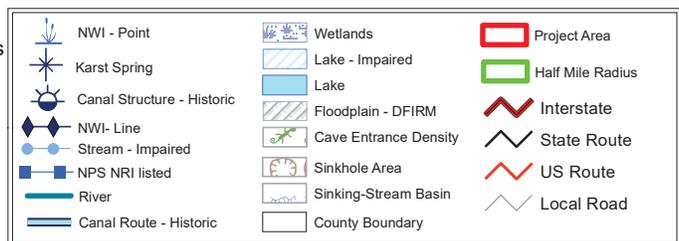
Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).



Sources: 0.3 0.15 0 0.3
Miles

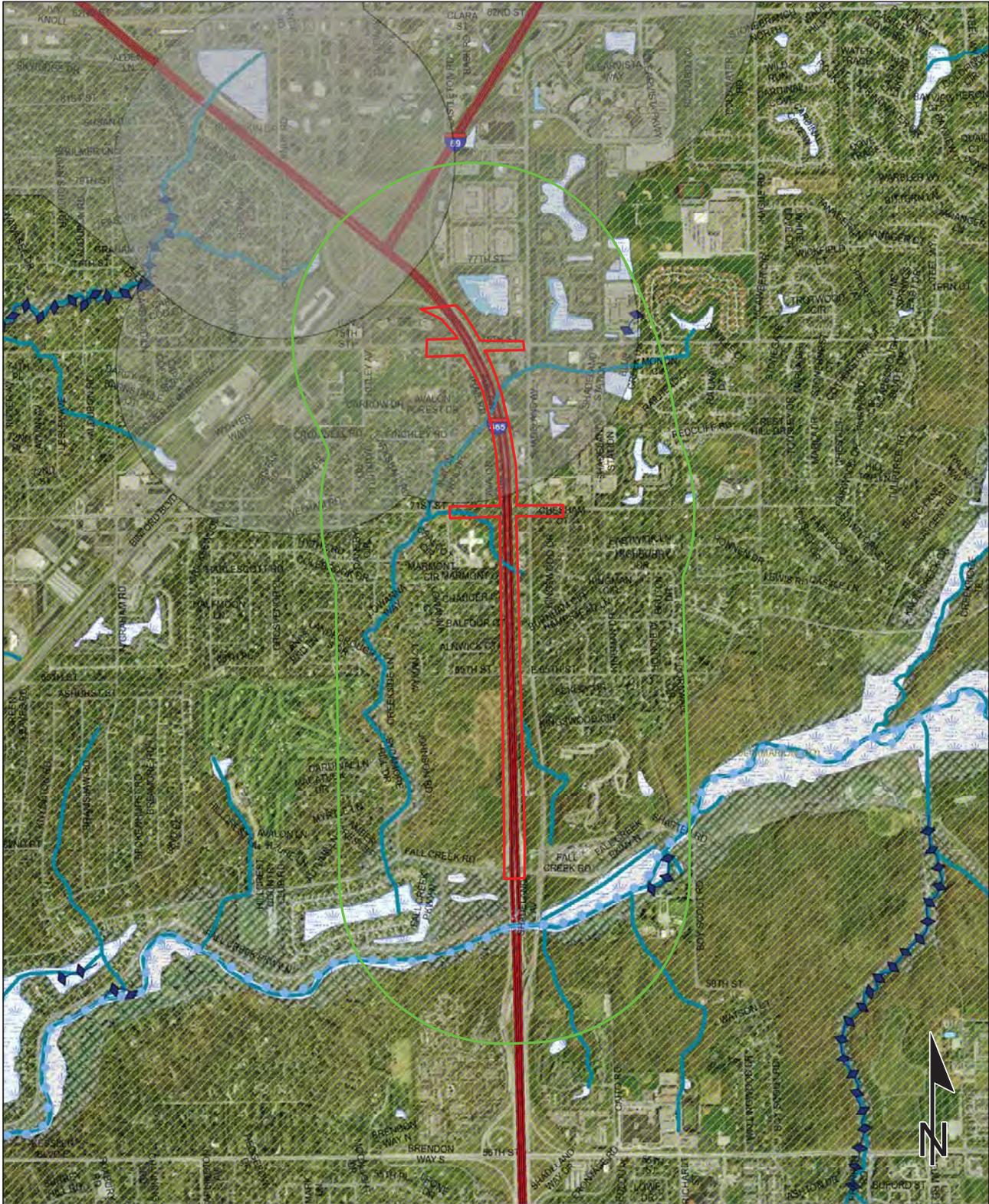
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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Red Flag Investigation - Water Resources - Section 3

I-465 South Approximately 2.15 Miles to Bridge Over Fall Creek Rd Des. No. 1400075, Interchange Modification with Added Travel Lanes Marion 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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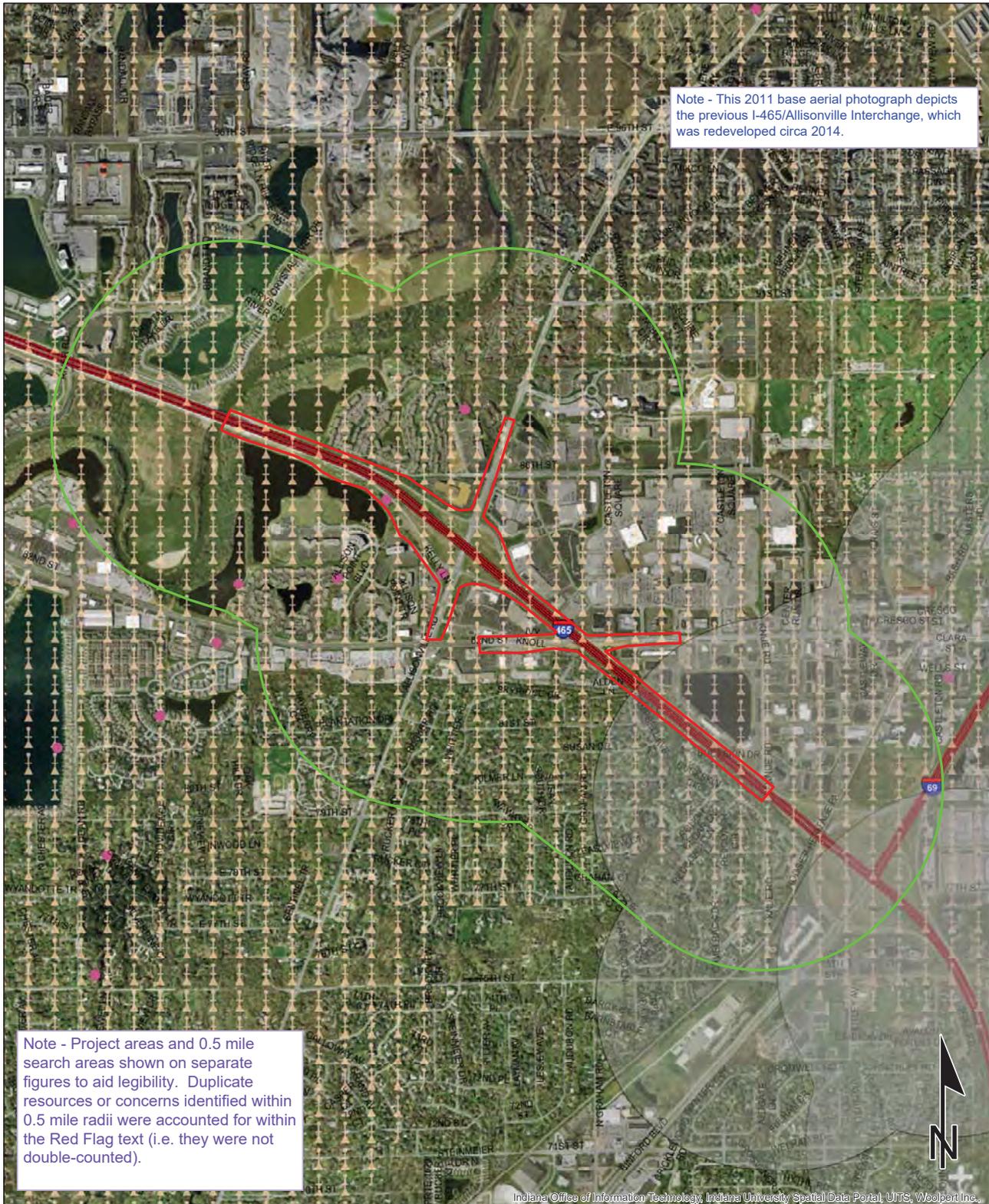
NWI - Point	Wetlands	Project Area
Karst Spring	Lake - Impaired	Half Mile Radius
Canal Structure - Historic	Lake	Interstate
NWI - Line	Floodplain - DFIRM	State Route
Stream - Impaired	Cave Entrance Density	US Route
NPS NRI listed	Sinkhole Area	Local Road
River	Sinking-Stream Basin	
Canal Route - Historic	County Boundary	

Red Flag Investigation - Mining/ Mineral Exploration - Section 1

2.4 miles West of the I-69 (White River Bridge) to the I-69 and I-465 Interchange

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana



Note - This 2011 base aerial photograph depicts the previous I-465/Allisonville Interchange, which was redeveloped circa 2014.

Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).

Indiana Office of Information Technology, Indiana University Spatial Data Portal, UTIS, Woolport Inc.

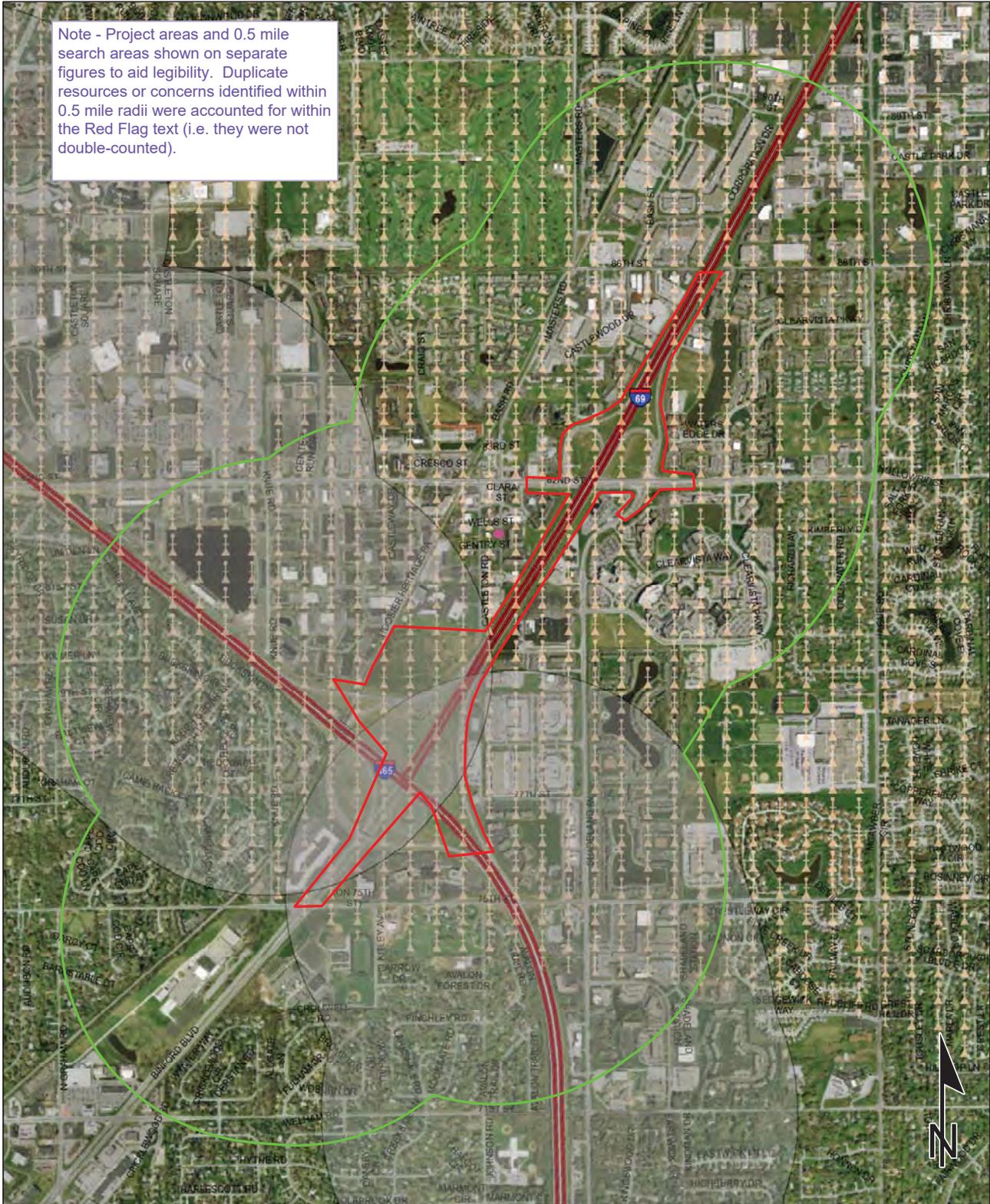


Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83
This map is intended to serve as an aid in graphic representation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

Petroleum Well	County Boundary	Interstate
Mine - Surface	Project Area	State Route
Mine - Underground	Half Mile Radius	US Route
Petroleum Field		Local Road

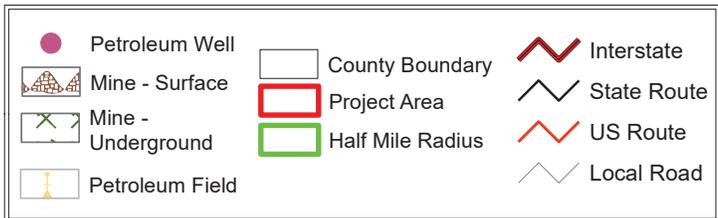
Red Flag Investigation - Mining/ Mineral Exploration - Section 2 I-69 and I-465 Interchange to Approximately 1 Mile North of I-69 Des. No. 1400075, Interchange Modification with Added Travel Lanes Marion County, Indiana

Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).

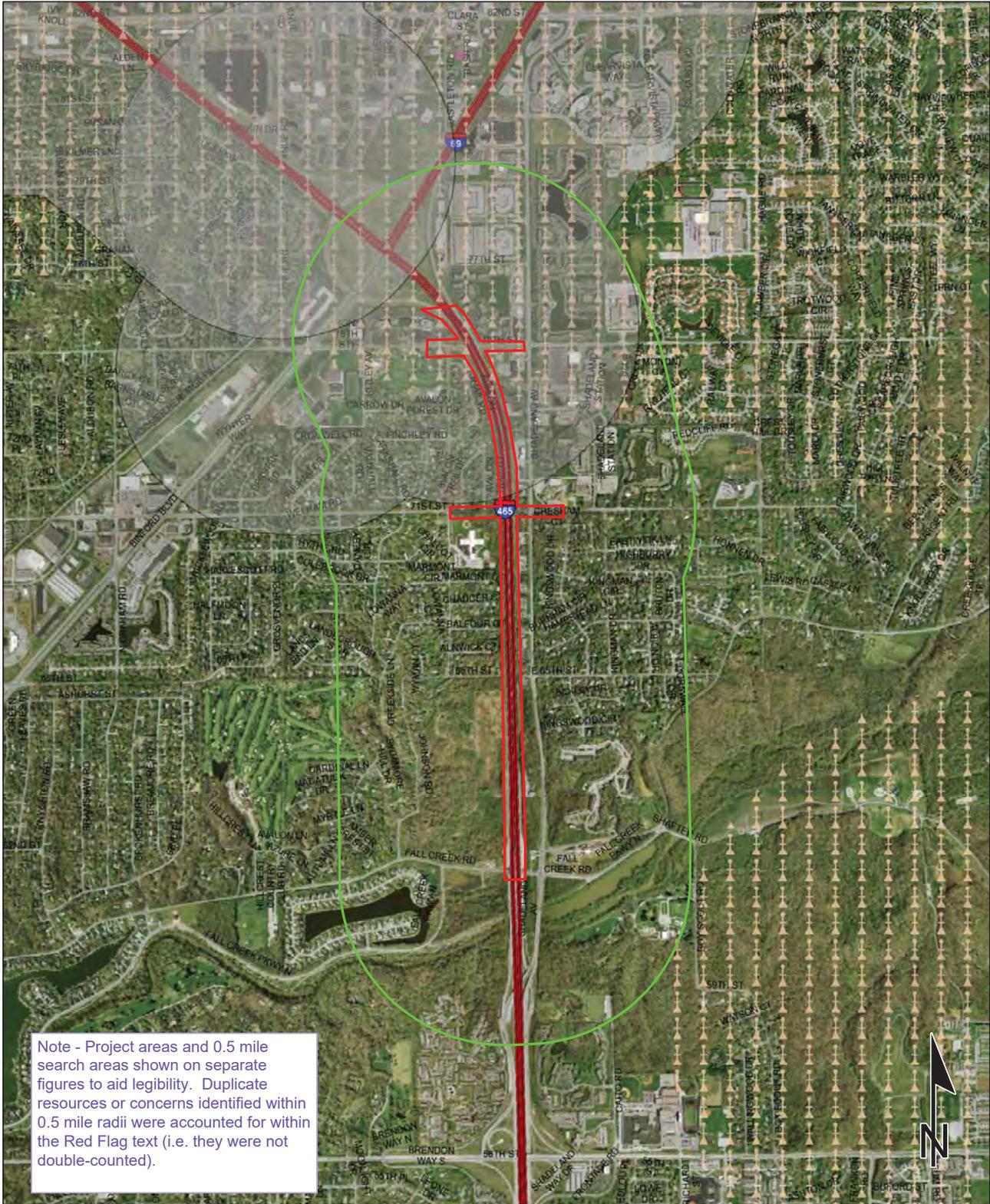


Sources:
Non Orthophotography
 Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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



Red Flag Investigation - Mining/ Mineral Exploration - Section 3 I-465 South Approximately 2.15 Miles to Bridge Over Fall Creek Rd Des. No. 1400075, Interchange Modification with Added Travel Lanes Marion County, Indiana

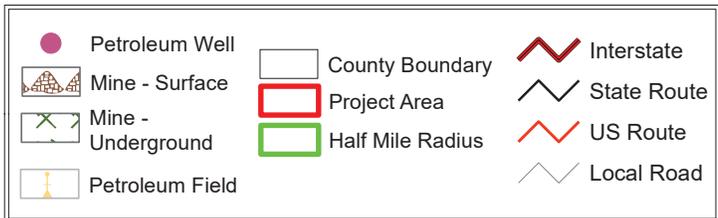


Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).



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

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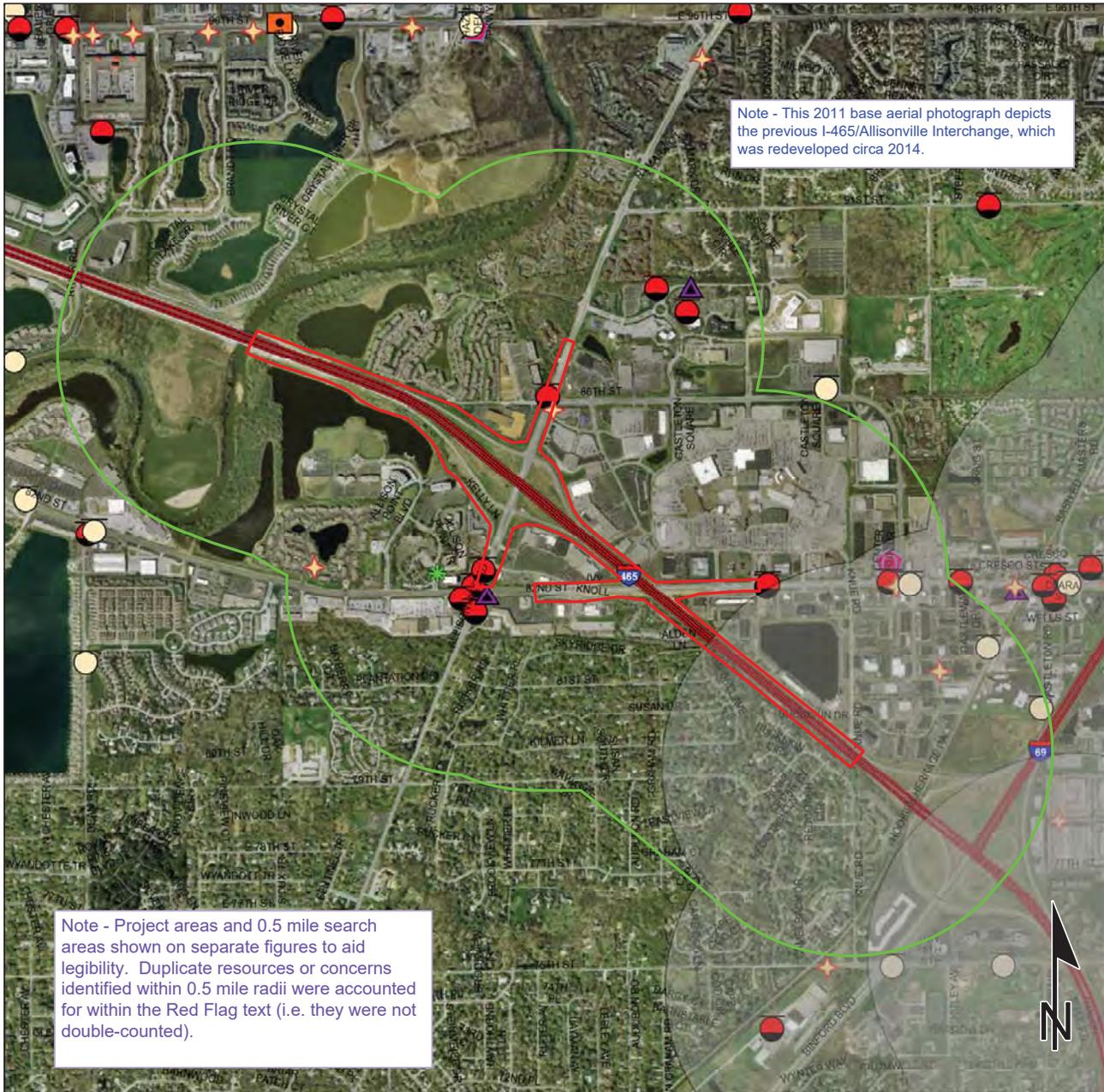


Red Flag Investigation - Hazardous Material Concerns - Section 1

2.4 miles West of the I-69 (White River Bridge) to the I-69 and I-465 Interchange

Des. No. 1400075, InterchangeModification with Added Travel Lanes

Marion County, Indiana



<ul style="list-style-type: none"> Brownfield RCRA Corrective Action Sites Confined Feeding Operation Construction/Demolition Site Infectious/Medical Waste Site Leaking Underground Storage Tank Manufactured Gas Plant NPDES Facilities NPDES Pipe Locations Open Dump Waste Site 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Institutional Controls County Boundary Project Area Half Mile Radius Interstate State Route US Route Local Road
---	--	--



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

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

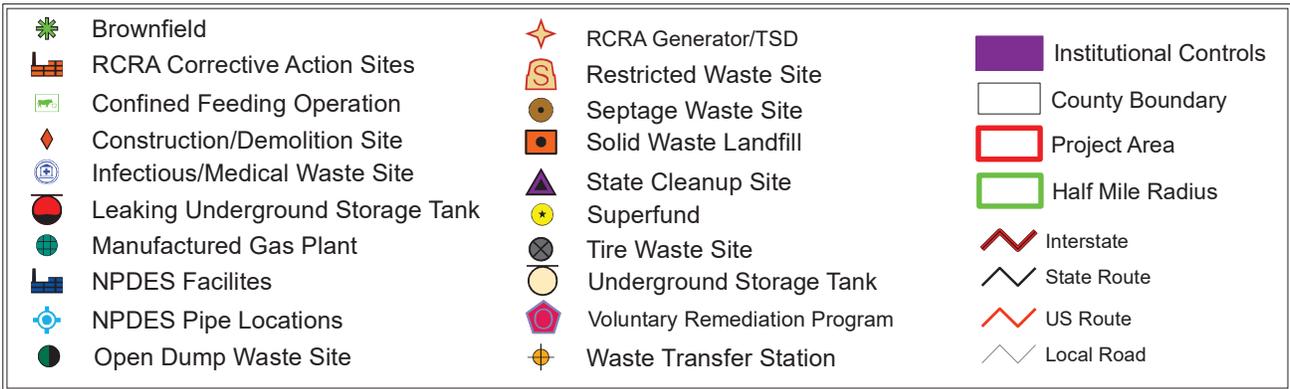
Red Flag Investigation - HazMat Concerns - Section 2

I-69 and I-465 Interchange to Approximately 1 Mile North of I-69

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana

Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).



0.35 0.175 0 0.35 Miles

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

Sources:

Non Orthophotography

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

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

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

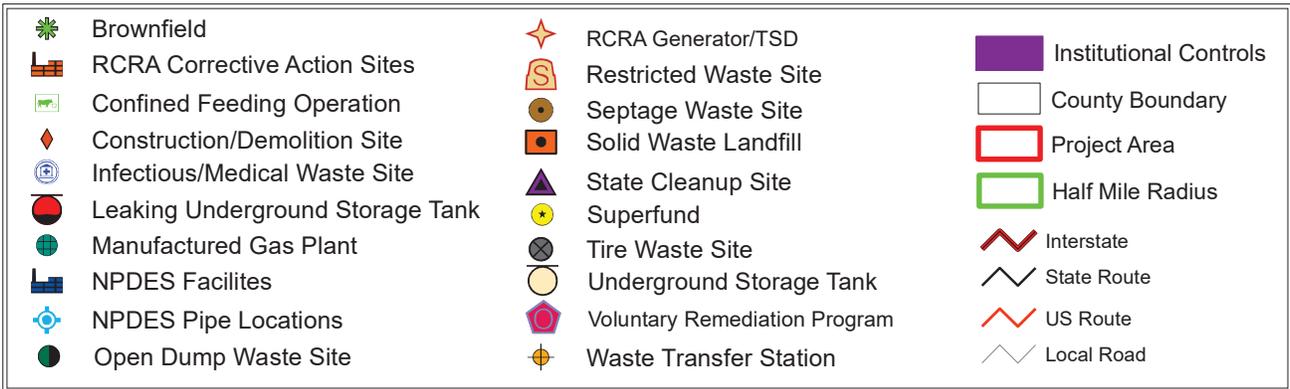
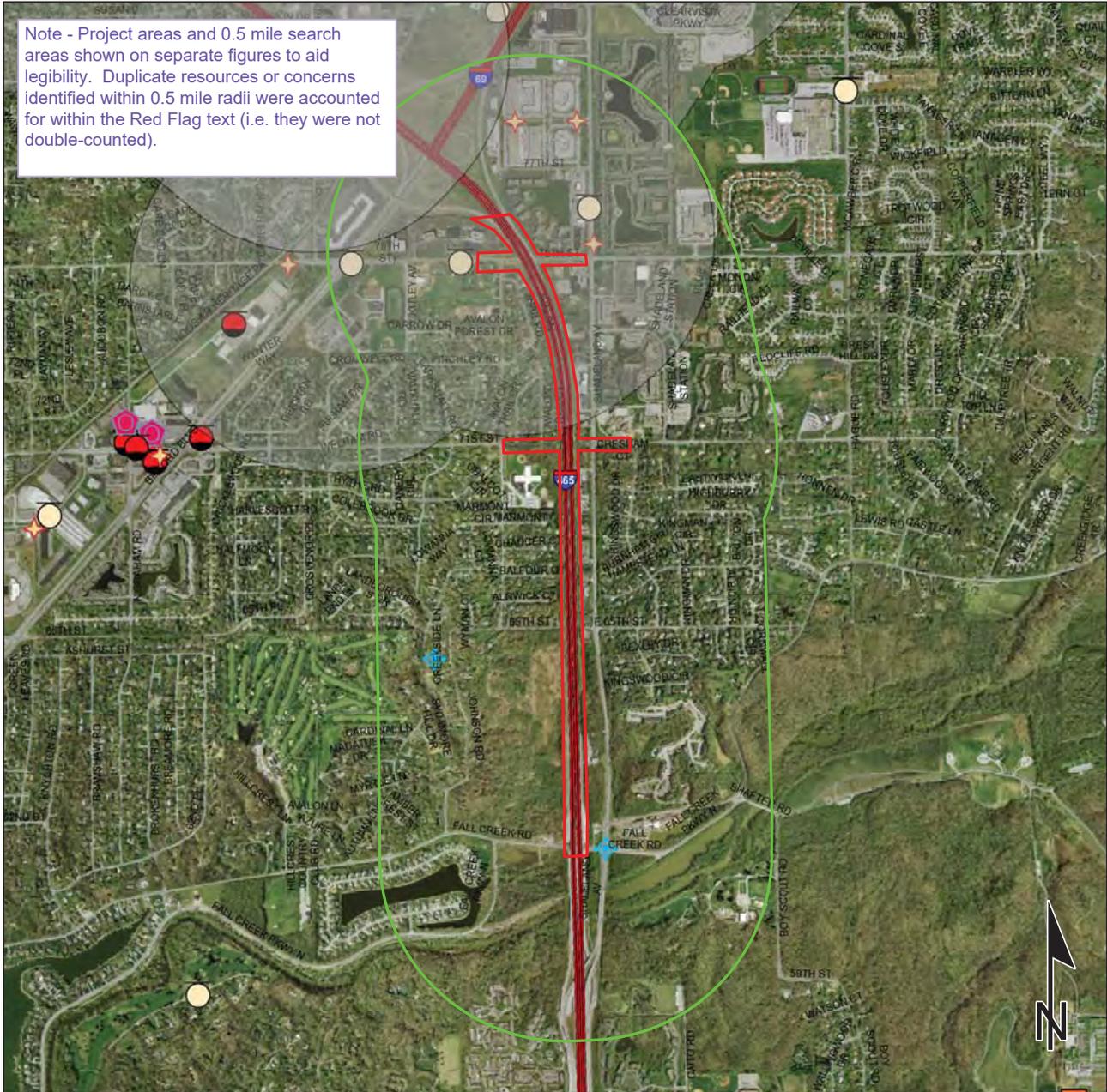
Red Flag Investigation - HazMat Concerns - Section 3

I-465 South Approximately 2.15 Miles to Bridge Over Fall Creek Rd

Des. No. 1400075, Interchange Modification with Added Travel Lanes

Marion County, Indiana

Note - Project areas and 0.5 mile search areas shown on separate figures to aid legibility. Duplicate resources or concerns identified within 0.5 mile radii were accounted for within the Red Flag text (i.e. they were not double-counted).



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

Indiana County Endangered, Threatened and Rare Species List

County: Marion

Species Name	Common Name	FED	STATE	GRANK	SRANK
Mollusk: Bivalvia (Mussels)					
Epioblasma torulosa rangiana	Northern Riffleshell	LE	SE	G2T2	SX
Epioblasma triquetra	Snuffbox	LE	SE	G3	S1
Lampsilis fasciola	Wavyrayed Lampmussel		SSC	G5	S3
Obovaria subrotunda	Round Hickorynut		SE	G4	S1
Plethobasus cyphus	Sheepnose	LE	SE	G3	S1
Pleurobema clava	Clubshell	LE	SE	G1G2	S1
Pleurobema plenum	Rough Pigtoe	LE	SE	G1	S1
Ptychobranhus fasciolaris	Kidneyshell		SSC	G4G5	S2
Quadrula cylindrica cylindrica	Rabbitsfoot	LT	SE	G3G4T3	S1
Toxolasma lividus	Purple Lilliput		SSC	G3Q	S2
Venustaconcha ellipsiformis	Ellipse		SSC	G4	S2
Villosa lienosa	Little Spectaclecase		SSC	G5	S3
Insect: Lepidoptera (Moth)					
Hyperaeschra georgica	A Prominent Moth			G5	S2
Insect: Neuroptera					
Sisyra sp. 1	Indiana Spongilla Fly		ST	GNR	S2
Fish					
Percina evides	Gilt Darter		SE	G4	S1
Amphibian					
Lithobates pipiens	Northern Leopard Frog		SSC	G5	S2
Reptile					
Clemmys guttata	Spotted Turtle		SE	G5	S2
Clonophis kirtlandii	Kirtland's Snake		SE	G2	S2
Emydoidea blandingii	Blanding's Turtle		SE	G4	S2
Thamnophis butleri	Butler's Garter Snake		SE	G4	S1
Bird					
Aimophila aestivalis	Bachman's Sparrow			G3	SXB
Ardea alba	Great Egret		SSC	G5	S1B
Bartramia longicauda	Upland Sandpiper		SE	G5	S3B
Botaurus lentiginosus	American Bittern		SE	G4	S2B
Buteo lineatus	Red-shouldered Hawk		SSC	G5	S3
Buteo platypterus	Broad-winged Hawk		SSC	G5	S3B
Certhia americana	Brown Creeper			G5	S2B
Chordeiles minor	Common Nighthawk		SSC	G5	S4B
Dendroica cerulea	Cerulean Warbler		SE	G4	S3B
Falco peregrinus	Peregrine Falcon		SSC	G4	S2B
Haliaeetus leucocephalus	Bald Eagle		SSC	G5	S2
Helmitheros vermivorus	Worm-eating Warbler		SSC	G5	S3B

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: Marion

Species Name	Common Name	FED	STATE	GRANK	SRANK
Ixobrychus exilis	Least Bittern		SE	G5	S3B
Lanius ludovicianus	Loggerhead Shrike		SE	G4	S3B
Mniotilta varia	Black-and-white Warbler		SSC	G5	S1S2B
Nycticorax nycticorax	Black-crowned Night-heron		SE	G5	S1B
Pandion haliaetus	Osprey		SE	G5	S1B
Rallus elegans	King Rail		SE	G4	S1B
Sitta canadensis	Red-breasted Nuthatch			G5	S1B
Wilsonia citrina	Hooded Warbler		SSC	G5	S3B
Mammal					
Lasiurus borealis	Eastern Red Bat		SSC	G5	S4
Myotis lucifugus	Little Brown Bat		SSC	G3	S2
Myotis septentrionalis	Northern Myotis		SSC	G1G3	S2S3
Myotis sodalis	Indiana Bat or Social Myotis	LE	SE	G2	S1
Taxidea taxus	American Badger		SSC	G5	S2
Vascular Plant					
Chelone obliqua var. speciosa	Rose Turtlehead		WL	G4T3	S3
Deschampsia cespitosa	Tufted Hairgrass		SR	G5	S2
Hydrastis canadensis	Golden Seal		WL	G4	S3
Juglans cinerea	Butternut		WL	G4	S3
Melanthium virginicum	Virginia Bunchflower		SE	G5	S1
Panax quinquefolius	American Ginseng		WL	G3G4	S3
Poa wolfii	Wolf Bluegrass		SR	G4	S2
Rubus odoratus	Purple Flowering Raspberry		ST	G5	S2
Trifolium stoloniferum	Running Buffalo Clover	LE	SE	G3	S1
High Quality Natural Community					
Forest - flatwoods central till plain	Central Till Plain Flatwoods		SG	G3	S2
Forest - floodplain mesic	Mesic Floodplain Forest		SG	G3?	S1
Forest - floodplain wet	Wet Floodplain Forest		SG	G3?	S3
Forest - floodplain wet-mesic	Wet-mesic Floodplain Forest		SG	G3?	S3
Forest - upland dry-mesic	Dry-mesic Upland Forest		SG	G4	S4
Forest - upland mesic	Mesic Upland Forest		SG	G3?	S3
Wetland - fen	Fen		SG	G3	S3
Wetland - marsh	Marsh		SG	GU	S4

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
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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

From: Port, Juliet
To: Foheybreting, Nicole K
Subject: RE: revised RFI Des 1400075
Date: Thursday, May 18, 2017 5:24:00 PM
Attachments: image008.png
image009.png
image010.png
image011.png
image012.png
image013.png
image014.png

Thank You!

Juliet Port

From: Foheybreting, Nicole K [mailto:NFoheyBreting@indot.IN.gov]
Sent: Thursday, May 18, 2017 12:10 PM
To: Port, Juliet <Juliet.Port@parsons.com>
Cc: Miller, Daniel J <Daniel.J.Miller@parsons.com>; Perron, Mark <Mark.Perron@parsons.com>; Mathas, Marlene <MMathas@indot.IN.gov>
Subject: RE: revised RFI Des 1400075

Good afternoon Juliet –

I hope you're having a great week so far. My apologies on the delay and thank you for following up on the status of the RFI for Des No. 1400075. I reviewed the updated document (April 25, 2017) and the revised RFI should effectively assist with reviewing the potential alternatives for the project and provide guidance on coordination. Therefore, I concur with the revised RFI that was uploaded into PW for Des No. 1400075 (1465 169 RFI Des 1400075 042517). After the details of the project firm up, then an amended RFI can be submitted for review and signature.

Thank you Juliet!

Sincerely,
Nicole

Nicole Fohey-Breting

HazMat Specialist

100 North Senate Avenue RM N642
Indianapolis, Indiana 46204

Office: (317) 232-0626

Email: NFoheyBreting@indot.in.gov



The most current RFI Report Template can be found at [http://www.in.gov/indot/2523.htm\[in.gov\]](http://www.in.gov/indot/2523.htm[in.gov]).

Be sure to review your documents using the 2016 RFI Guidance also found at this link before submitting to INDOT ES HazMat.

From: Port, Juliet [mailto:Juliet.Port@parsons.com]
Sent: Wednesday, May 17, 2017 1:10 PM
To: Mathas, Marlene <MMathas@indot.IN.gov>; Foheybreting, Nicole K <NFoheyBreting@indot.IN.gov>
Cc: Miller, Daniel J <Daniel.J.Miller@parsons.com>; Perron, Mark <Mark.Perron@parsons.com>
Subject: RE: revised RFI Des 1400075

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

Marlene,

Have you had a chance to review the revised document?

Thanks,

Juliet Port

From: Port, Juliet
Sent: Tuesday, April 25, 2017 1:15 PM
To: 'Mathas, Marlene' <MMathas@indot.IN.gov>; 'Foheybreting, Nicole K' <NFoheyBreting@indot.IN.gov>
Cc: Miller, Daniel J <Daniel.J.Miller@parsons.com>; Perron, Mark <Mark.Perron@parsons.com>
Subject: revised RFI Des 1400075

RE: I-465/I-69 Interchange Improvement with Added Travel Lanes
Marion County
Des. 1400075

Marlene and Nicole,

We have revised the referenced draft Red Flag Investigation per your comments and my discussions with Nicole. I have uploaded the revised draft on ProjectWise, here is a link:

[pw://dotwise.indot.in.gov:DOTWise/Documents/Greenfield/1400075/Parsons&space;Transportation&space;Group,&space;Inc./1465&space;69&space;RFI&space;Des&space;1400075&space;042517.pdf](http://dotwise.indot.in.gov:DOTWise/Documents/Greenfield/1400075/Parsons&space;Transportation&space;Group,&space;Inc./1465&space;69&space;RFI&space;Des&space;1400075&space;042517.pdf)

It is our understanding that you can't sign this now, but you will let us know via email that it's sufficient. Then, once the preferred alignment, right-of-way and other details are established, we will update the document.

Thanks,

Juliet Port, LPG
Senior Environmental Planner
110 W Ohio St., Suite 2121 - Indianapolis, IN 46204
juliet.port@parsons.com - P: +1 317.616.4693

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INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

100 North Senate Avenue
Room N642
Indianapolis, Indiana 46204-2216 (317) 232-5348 FAX: (317) 233-4929

Eric Holcomb, Governor
Joe McGuinness, Commissioner

Date: April 16, 2019

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

From: Juliet Port, LPG
Parsons
101 West Ohio Street, Suite 2121
Indianapolis, IN 46204
Juliet.Port@parsons.com

Re: RED FLAG INVESTIGATION ADDENDUM
DES #1400075, State Project
I-465 and I-69 Interchange Modification with Added Travel Lanes
Marion County, Indiana

A review of the original Red Flag Investigation (RFI) conditionally approved on May 18, 2017, for the above DES # did not indicate substantive changes occurred within the 0.5 mile search radius and project area limits that will have an impact to the project. Results from the original RFI were incorporated into the approved November 7, 2017 *Environmental Screening Memorandum*. In addition to the No Build Alternative, a range of alternatives that would meet the project's purpose and need are being analyzed, which were discussed at the November 2017 resource agency meeting (RAM). Alternative C Modified is the recommended alternative from the approved engineering document entitled *Interstate Access Document*. This alternative is an adjustment of Alternative C.

The majority of the project would occur within existing, previously disturbed right-of-way. Approximately 11.7 acres of permanent right-of-way and 4.0 acres of temporary right-of-way would be acquired. The proposed right-of-way consists of a portion of a 16.3-acre wooded parcel, six commercial properties, and a strip of commercial land. All of the existing bridges (20) and culverts (29) have been inspected for the presence of bats.

The analysis of noise impacts is underway. In order to accommodate added travel lanes, it is likely that existing noise barriers will be moved near the edge of existing right-of-way or placed on new retaining walls, and additional noise barriers may be installed along the project area. There are also several communication towers and billboards that would be relocated or demolished for this project.

Excavations ranging in depths from approximately 2 to 12 feet below grade are anticipated to construct new bridges and noise walls.

The project is tentatively scheduled to begin in 2020 and expected to last year-round for up to five years. The traffic management plan (TMP) is currently under development. To the extent practicable, construction will occur off-line to

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minimize lane closures and other impacts to motorists. Traffic will be maintained on I-465 and I-69 throughout the project, with temporary shoulder and lane closures. East 71st Street will be closed for up to one year in order to construct a new bridge. A detour for East 71st Street will be provided.

The following features and/or items were not detailed in the original RFI document approved on May 18, 2017 but have since been identified as having an impact on the project area and requiring additional coordination.

INFRASTRUCTURE

Schools: One (1) additional school is mapped within the 0.5 mile search radius. Hope Academy, which was not previously mapped in the original RFI, lies approximately 0.29 mile east of the project area, at 2102A Clearvista Parkway. This school is associated with Fairbanks Hospital, who has been coordinated with throughout the development process.

HAZARDOUS MATERIAL CONCERNS

USTs: Wheaton Van Lines (Facility Identification number (FID) 7188, 8010 Castleton Road) is located adjacent to the west of the project area. A strip of approximately 0.29 acre of temporary and 0.45 acre of permanent right-of-way is proposed from this facility along its eastern and southern property lines. This facility had two registered USTs located in the northwestern portion of the property, plus a heating oil UST was located south of the office building. The USTs were removed circa 1987. No impact is expected.

No right-of-way or excavations are proposed near Heritage Christian School (6401 East 75th Street, AID 19161) located adjacent to the southeast of Binford Boulevard and East 75th Street. No impact is expected.

Speedway Store 3993 (aka Hoosier Pete – Castleton, FID 2249, 6741 East 82nd Street) is located 0.09 mile northwest of the project area. This active filling station has a history of releases, and an environmental restrictive covenant (ERC) was placed on the property in 2009 due to residual soil and groundwater contamination. No impact is expected.

RCRA Generators: The original RFI noted four (4) RCRA Generators with the potential to impact the project area depending on the selected alternative. These facilities, Best Access System, Tuchman Cleaners No. 25, Universal Tool & Engineering Company (aka Delco Remy) and Delphi Energy & Chassis were re-analyzed. No right-of-way is proposed from these facilities and no excavations are proposed nearby. Therefore, no impact is expected.

Amoco Service Station 20251 (AID 16815, 6840 E 82nd Street) is incorrectly mapped within the project area; it is located 0.04 mile west of the project area. This former filling station reported in 1997 that no hazardous waste was generated on-site. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

An inquiry using USFWS IPaC website did not indicate the presence of the federally endangered species, the Rusty Patched Bumble Bee, in or within 0.5 mile of the project area. No impact is expected.

INDOT Environmental Services concurrence:

Nicole Fohey-
Breting

Digitally signed by Nicole Fohey-
Breting
DN: cn=Nicole Fohey-Breting,
o=INDOT, ou=Environmental
Services, HazMat,
email=NFoheyBreting@indot.in.gov,
c=US
Date: 2019.04.16 13:40:50 -0400'

(Signature)

Prepared by:
Juliet Port, LPG
Senior Environmental Planner
Parsons

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 YES to N/A:

SITE LOCATION: N/A

INFRASTRUCTURE: YES

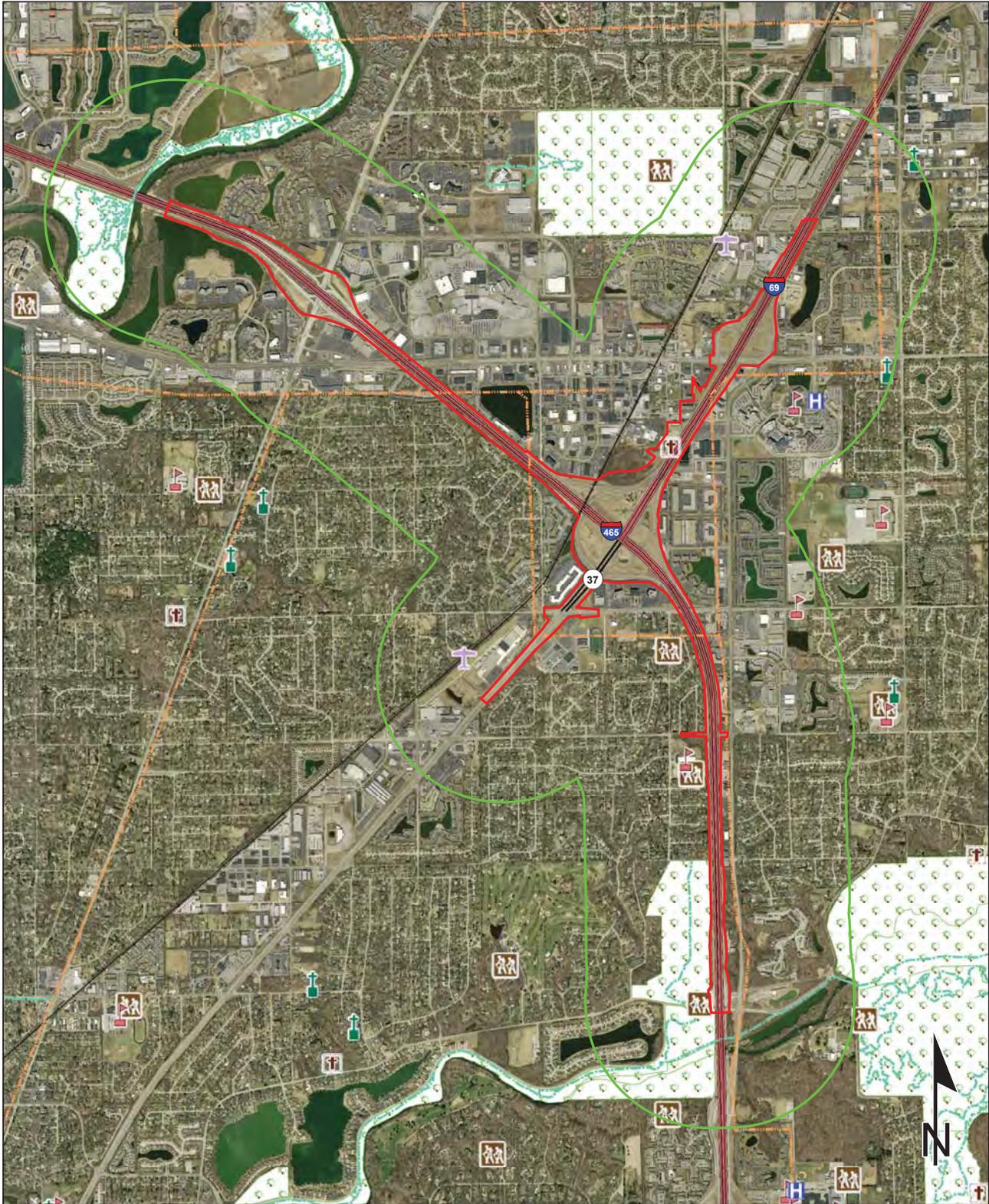
WATER RESOURCES: N/A

URBANIZED AREA BOUNDARY: N/A

MINING/MINERAL EXPLORATION: N/A

HAZMAT CONCERNS: YES

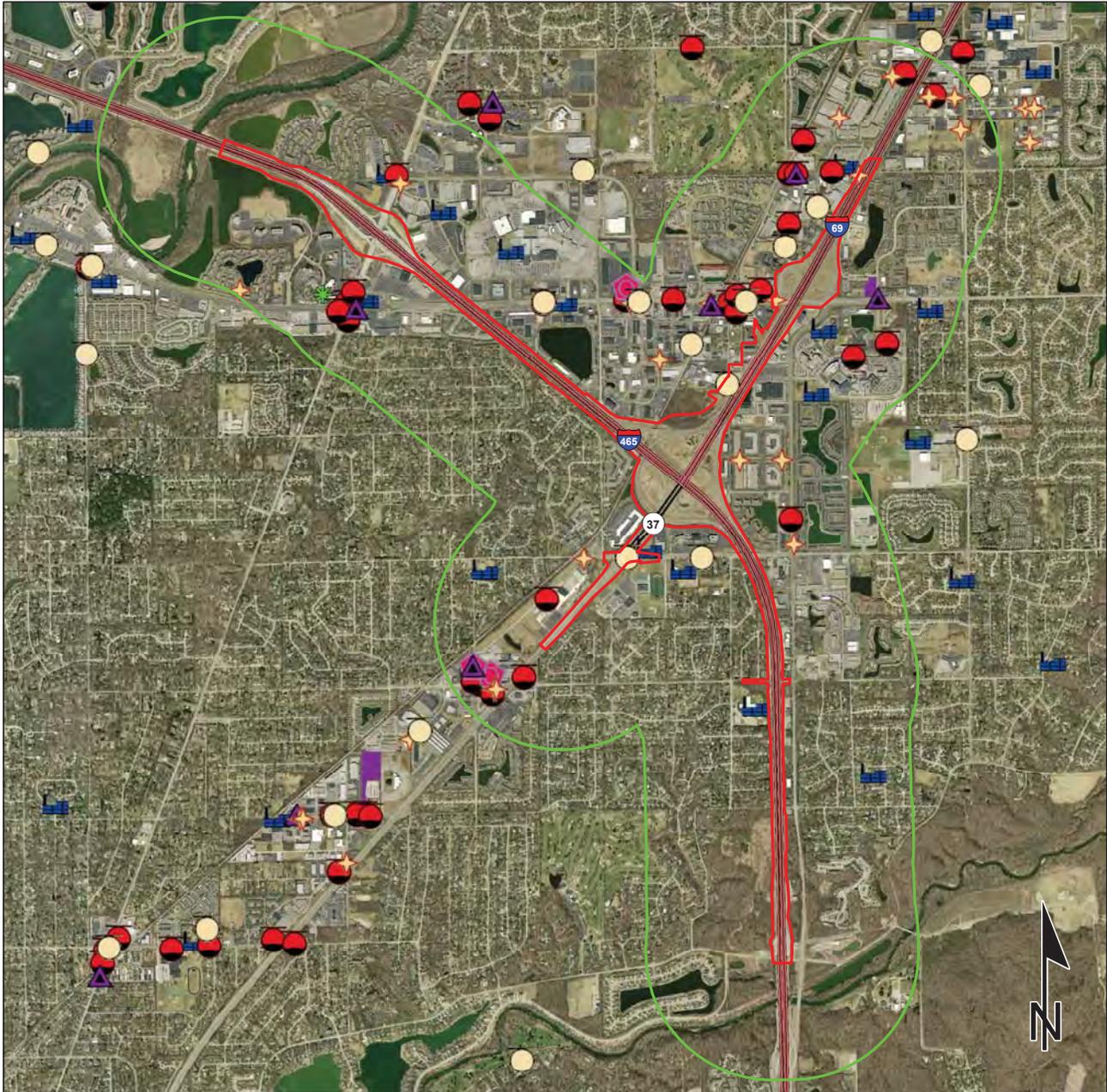
Red Flag Investigation - Infrastructure
 I-69/I-465 Clear Path
 Des. No. 1400075, Interchange Modification with Added Travel Lanes
 Marion County, Indiana



Sources: 0.45 0.225 0 0.45 Miles
Non Orthophotography
 Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
 Map Projection: UTM Zone 16 N Map Datum: NAD83
 This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

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

Red Flag Investigation - Hazardous Material Concerns
 I-69/I-465 Clear Path
 Des. No. 1400075, Interchange Modification with Added Travel Lanes
 Marion County, Indiana



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

0.55 0.275 0 0.55
 Miles

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