

Appendix E: Red Flag and Hazardous Materials

DATE: May 25, 2021

TO: Department of Public Works
City of Indianapolis
200 E Washington Street
Indianapolis, IN 46204

FROM: Christine Meador
HNTB Corporation
111 Monument Circle
Indianapolis, Indiana
cmeador@hntb.com

SUBJECT: RED FLAG INVESTIGATION
Des. No. 2002553, Local Project
Added Travel Lanes
County Line Road, 0.3 Mile West of Morgantown Road to SR 135
Marion & Johnson Counties, Indiana



PROJECT DESCRIPTION

Brief Description of Project: The City of Indianapolis is planning to proceed with an Added Travel Lanes project on County Line Road in Marion and Johnson Counties. This project is located on County Line Road, beginning 0.3 mile west of Morgantown Road and extending east to SR 135 (South Meridian Street). The proposed project will expand County Line Road from 2 lanes to 5 lanes, with two eastbound and two westbound travel lanes and a center two-way left-turn lane. A 10-foot multi-purpose trail will be constructed on the north side of the new alignment, with 6-foot grass buffers on either side, and a 6-foot sidewalk will be installed on the south side of the roadway. New cantilever signals poles and traffic signals will be installed at Morgantown Road and at Railroad Road. New pedestrian signals with push buttons will be installed at the signalized intersections. Utilities are located on both the north and south side of County Line Road and will be relocated when in conflict with the proposed improvements. A new enclosed storm sewer system will be constructed along the length of the project and detention basins will be constructed at locations yet to be determined.

Two existing bridges will be replaced to accommodate the additional travel lanes. The first bridge is a reinforced concrete slab, continuous 3-span bridge carrying County Line Road over Buffalo Creek. It is approximately 150 feet in length and located 0.55 mile west of South Meridian Street. The second bridge is a concrete box beam, continuous 3-span bridge carrying County Line Road over Pleasant Run Creek. It is approximately 100 feet in length and located 0.1 mile east of Morgantown Road. Within the bridge structure limits, the buffers to the north and south of the road will be concrete instead of grassed and will be reduced from 6 feet to 2 feet per side.

Bridge and/or Culvert Project: Yes No Structure # Pleasant Run Creek - NBI No. 4900420 / Str. No. 49-4503 F
Buffalo Creek -- NBI No. 4900427 / Str. No. 49-4510 F

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 N/A Permanent # Acres Approximately 15 acres

Type of excavation: Approximately 13 feet of excavation will be required at the sites where the bridges will be replaced. Excavation from 1 to 3 feet will be required for roadway construction and up to 23 feet for construction of signal poles.

Excavation for the concrete sidewalk and the asphalt path will be a maximum of 10 inches below the top surface. Excavation up to 15 feet for construction of storm sewers and 6 feet for construction detention basins will be required.

Maintenance of traffic: Maintenance of traffic will be completed in multiple phases corresponding with the phased construction. Two way traffic and access to all properties is anticipated to be maintained at all times.

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	4	Recreational Facilities	2
Airports ¹	1	Pipelines	8
Cemeteries	1	Railroads	2
Hospitals	N/A	Trails	N/A
Schools	N/A	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: Four (4) religious facilities are located within the 0.5 mile search radius. Grace Baptist Church, which is not mapped, is located adjacent to the project area. Coordination with Grace Baptist Church will occur.

Airports: Although not located within the 0.5 mile search radius, one public airport, Greenwood Municipal airport is located within 3.8 miles (20,000 feet) of the project area. The public airport is located approximately 3.8 miles east of the project area; therefore, early coordination with INDOT Aviation will occur.

Cemeteries: One (1) cemetery is located within the 0.5 mile search radius. The nearest cemetery is located approximately 0.34 mile south of the western portion of the project area. No impact is expected.

Recreational Facilities: Two (2) recreational facilities are located within the 0.5 mile search radius. Carefree Club Inc. is located adjacent to the project area. Coordination with Carefree Club Inc. will occur.

Pipelines: Eight (8) pipeline segments are located within the 0.5 mile search radius. One pipeline segment crosses the project area. Coordination with Texas Eastern Transmission Corp. will occur.

Railroads: Two (2) railroad segments of the Indiana Rail Road Company are located within the 0.5 mile search radius. Both railroad segments cross the project area. Coordination with Indiana Rail Road Company 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	1	Canal Routes – Historic	1
Karst Springs	N/A	NWI – Wetlands	19
Canal Structures – Historic	1	Lakes	3
NPS NRI Listed	N/A	Floodplain – DFIRM	39
NWI-Lines	6	Cave Entrance Density	N/A
IDE� 303d Listed Streams and Lakes (Impaired)	3	Sinkhole Areas	N/A
Rivers and Streams	6	Sinking-Stream Basins	N/A

Explanation:

NWI-Points: One (1) NWI-Point is located within the 0.5 mile search radius. The NWI-Point is located approximately 0.41 mile north of the project area. No impact is expected.

Canal Structures – Historic: One (1) historic canal structure is located within the 0.5 mile search radius. The historic canal structure is located approximately 0.34 mile northwest of the western project terminus. No impact is expected.

NWI-Lines: Six (6) NWI-Lines are located within the 0.5 mile search radius. Four (4) NWI-Lines, Pleasant Run Creek and Buffalo Creek, are located within the project area. A Waters of the US Report will be prepared and coordination with the appropriate agency, if applicable, will occur.

IDE� 303d Listed Streams and Lakes: Three (3) 303d Listed Rivers and Streams are located within the 0.5 mile search radius. One segment of Buffalo Creek and one segment of Pleasant Run Creek are located within the project area. Buffalo Creek and Pleasant Run Creek are listed as impaired for *E. coli* and Impaired Biotic Communities (IBC).

- Buffalo Creek and Pleasant Run Creek are listed as impaired 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.
- Concerning Impaired Biotic Communities (IBC), Best Management Practices (BMPs) will be used to avoid further degradation to the stream for both Buffalo Creek and Pleasant Run Creek.

Rivers and Streams: Six (6) river and stream segments are located within the 0.5 miles search radius. Two (2) river and stream segments, Buffalo Creek and Pleasant Run Creek, are located within the project area. A Waters of the US Report will be prepared and coordination with the appropriate agency, if applicable, will occur.

Canal Routes – Historic: One (1) historic canal route is located within the 0.5 mile search radius. The historic canal route is located approximately 0.20 mile northwest of the western project terminus. No impact is expected.

NWI – Wetlands: Nineteen (19) wetlands are located within the 0.5 mile search radius. One (1) wetland is located within the project area. A Waters of the US Report will be prepared and coordination with the appropriate agency, if applicable, will occur.

Lakes: Three (3) lakes are located within the 0.5 mile search radius. The nearest lake is located 0.17 mile north of the west section of the project area. No impact is expected.

Floodplain – DFIRM: Thirty-nine (39) floodplain polygons are located within the 0.5 mile search radius. The project is located within eleven (11) of the floodplain polygons. Coordination with the appropriate agency, if applicable, 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 explorations 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	N/A	Open Dump Waste Sites	N/A
RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	N/A	Waste Transfer Stations	N/A
Septage Waste Sites	N/A	Tire Waste Sites	N/A
Underground Storage Tank (UST) Sites	N/A	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	1	Brownfields	N/A
Construction Demolition Waste	N/A	Institutional Controls	4
Solid Waste Landfill	N/A	NPDES Facilities	9
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	2	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:

Voluntary Remediation Program: One (1) Voluntary Remediation Program site is located within the 0.5 mile search radius. The voluntary remediation program site, associated with 60 Minutes Cleaners, AI ID # 38231, 1285 North State Road 135, is located approximately 0.18 mile east of the project area. IDEM issued a Covenant Not to Sue on April 13, 2015 following the recording of an ERC on the deed of the property on July 18, 2014. Residual chlorinated chemicals of concern (CoCs) remain on-site, but do not appear to extend into the project area. No impact is expected.

Institutional Controls: Four (4) Institutional Control sites are located within the 0.5 mile search radius. The nearest Institutional Control site, 60 Minutes Cleaners, AI ID # 38231, is located 0.18 mile east of the project area. An Environmental Restrictive Covenant (ERC) was recorded on this site on July 16, 2014. No impact is expected.

Leaking Underground Storage (LUST) Sites: Two (2) LUST sites are located within the 0.5 mile search radius. One LUST site, Speedway/Sm #6144 (936 West County Line Road, AI ID # 13371), is located within the project area. The site has operated as a gas station since 1986. IDEM issued a No Further Action (NFA) letter on November 17, 2004. Low levels of Contaminants of Concern (COCs) were noted below remedial action levels on site outside of the anticipated area of acquisition. Due to the anticipated right-of-way acquisition on this site for the construction of the additional travel lanes, it is possible that petroleum contaminated soil or groundwater could be encountered. If encountered, proper removal, transport, and disposal of soil and/or groundwater may be necessary.

NPDES Facilities: Nine (9) NPDES Facilities are located within the 0.5 mile search radius.

- One NPDES Facility, the INDOT I-69 Section 6 Demolition project (Des. 1901802), is located within the project area. The project was issued permit INRA04593 for construction stormwater authorization on November 26, 2019. The permit is in effect until November 25, 2024. Coordination with the INDOT I-69 Section 6 Project Manager will occur.
- One NPDES Facility, SecurCare Self-Storage (920 West County Line Building Addition), is located adjacent to the project area. The facility was issued permit INR10L289 on January 24, 2015 for construction stormwater authorization. The permit is in effect until December 22, 2020. Coordination with SecurCare Self-Storage will occur.
- One NPDES Facility, Pleasant Valley Subdivision Section 1, is located adjacent to the project area. The facility was issued permit INR10P696 on September 21, 2017 and permit INRA04249 on April 9, 2019 for construction stormwater authorization. The INR10P696 permit is in effective until September 20, 2022 and INRA04249 permit is effective until on April 8, 2024. Coordination with Pleasant Valley Subdivision Section 1 will occur.

ECOLOGICAL INFORMATION SUMMARY

The Marion and Johnson counties listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities are provided at https://secure.in.gov/dnr/nature-preserves/files/np_marion.pdf and https://secure.in.gov/dnr/nature-preserves/files/np_johnson.pdf. A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did not indicate the presence of ETR species within the 0.5 mile search radius.

A review of the USFWS database did indicate the presence of endangered bat species in or within 0.5 mile of the project area. This project is located along a suburban arterial road surrounded primarily by residences, with some light commercial use in the area. The July 11, 2018 inspection report for the bridge over Buffalo Creek, Bridge NBI No. 4900427 / Str. No. 49-4510 F states that no evidence of bats was seen or heard under the bridge. As this inspection is more than two years old, additional investigation to confirm the presence or absence of bats on the bridge will be necessary. The July 13, 2020 inspection report for the bridge over Pleasant Run Creek, Bridge NBI No. 4900420 / Str. No. 49-4503 F states that no evidence of bats was seen or heard under the bridge. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent “Using the USFWS’s IPaC System for Listed Bat Consultation for INDOT Projects”.

RECOMMENDATIONS SECTION

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

INFRASTRUCTURE:

Religious Facilities: The nearest facility is located adjacent to the project area. Coordination with Grace Baptist Church will occur.

Airports: Although not located within the 0.5 mile search radius, one public airport, Greenwood Municipal airport, is located within 3.8 miles (20,000 feet) of the project area. The public airport is located approximately 3.8 miles east of the project area; therefore, early coordination with INDOT Aviation will occur.

Recreational Facilities: The nearest facility, Carefree Club Inc., is located adjacent to the project area. Coordination with Carefree Club Inc. will occur.

Pipelines: One (1) pipeline segment crosses the project area. Coordination with Texas Eastern Transmission Corp. will occur.

Railroads: Two (2) railroad segments of the Indiana Rail Road Company cross the project area. Coordination with Indiana Rail Road Company occur.

WATER RESOURCES:

A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur for the following features:

- Four (4) NWI-Lines, Pleasant Run Creek and Buffalo Creek, are located within the project area.
- Two (2) river and stream segments, Pleasant Run Creek and Buffalo Creek, are located within the project area.
- One (1) wetland is located within the project area.
- The project is located within eleven (11) floodplain polygons.

Buffalo Creek and Pleasant Run Creek are listed as impaired for *E. coli* and Impaired Biotic Communities (IBC).

- Buffalo Creek and Pleasant Run Creek are listed as impaired 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.
- Concerning Impaired Biotic Communities (IBC), Best Management Practices (BMPs) will be used to avoid further degradation to the stream for both Buffalo Creek and Pleasant Run Creek.

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS:

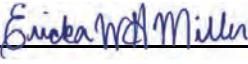
Leaking Underground Storage (LUST) Sites: Speedway/Sm #6144 (936 West County Line Road, AI ID # 13371) is located within the project area. The site has operated as a gas station since 1986. IDEM issued a No Further Action (NFA) letter on November 17, 2004. Low levels of Contaminants of Concern (COCs) were noted on site below remedial action levels. Due to the anticipated right-of-way acquisition on this site for the construction of the additional travel lanes, it is possible that petroleum contaminated soil or groundwater could be encountered. If encountered, proper removal, transport, and disposal of soil and/or groundwater may be necessary.

NPDES Facilities:

- One NPDES Facility, the INDOT I-69 Section 6 Demolition project (Des. 1901802), is located within the project area. The project was issued permit INRA04593 for construction stormwater authorization on November 26, 2019. The permit is in effect until November 25, 2024. Coordination with the INDOT I-69 Section 6 Project Manager will occur.

- One NPDES Facility, SecurCare Self-Storage (920 West County Line Building Addition), is located adjacent to the project area. The facility was issued permit INR10L289 on January 24, 2015 for construction stormwater authorization. The permit is in effect until December 22, 2020. Coordination with SecurCare Self-Storage will occur.
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ECOLOGICAL INFORMATION: Coordination with USFWS and IDNR will occur. The July 11, 2018 inspection report for the bridge over Buffalo Creek, Bridge NBI No. 4900427 / Str. No. 49-4510 F states that no evidence of bats was seen or heard under the bridge. As this inspection is more than two years old, additional investigation to confirm the presence or absence of bats on the bridge 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".

City of Indianapolis Department of Public Works concurrence:  (Signature)

INDOT ESD concurrence:  (Signature)

Nicole Fohey-
Breting
Digitally signed by
Nicole Fohey-Breting
Date: 2021.05.27
14:08:13 -04'00'

Prepared by:
Shampayne Jeffries
Environmental Planning Intern
HNTB Corporation

Christine Meador
Environmental Project Manager
HNTB Corporation

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

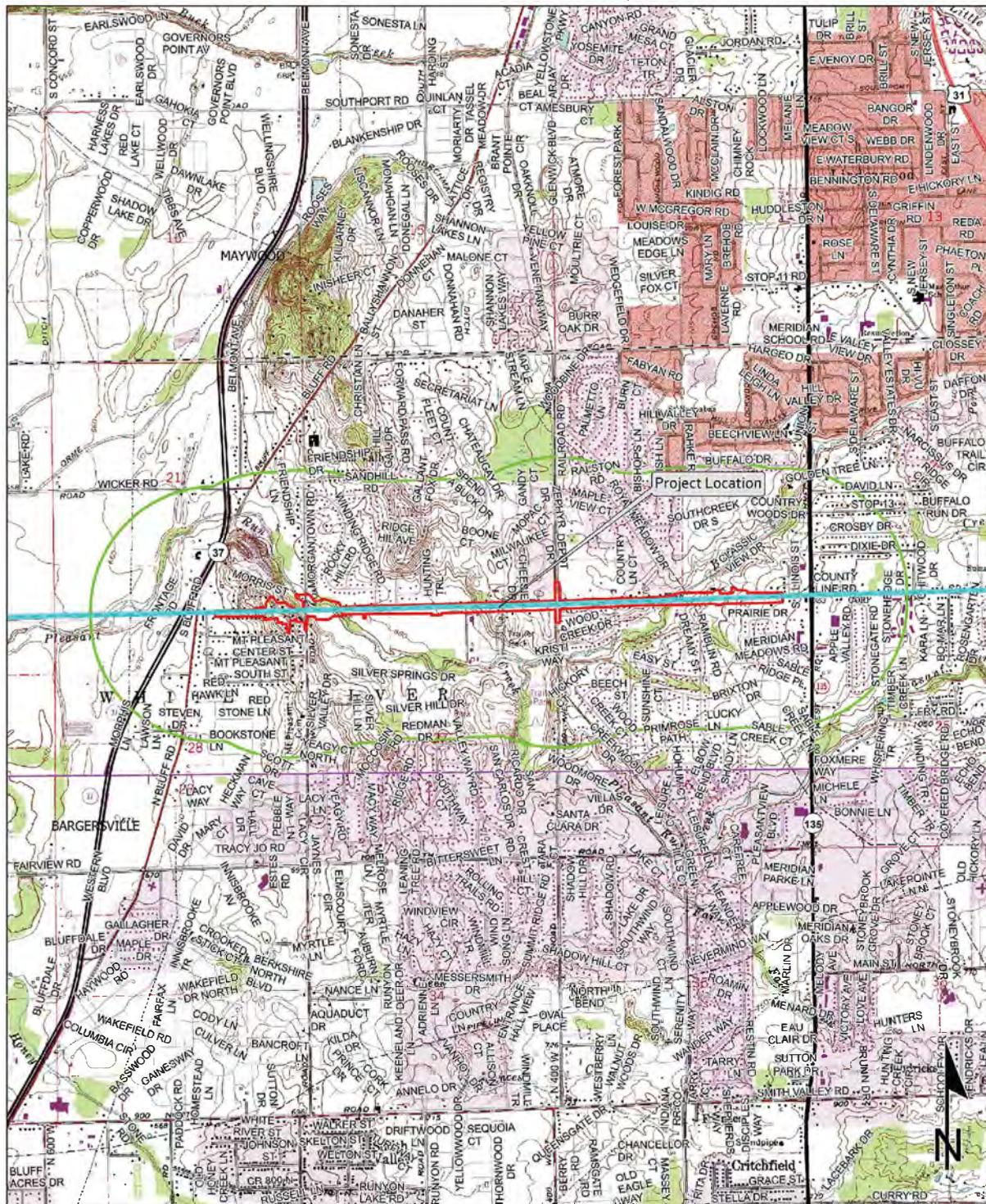
INFRASTRUCTURE: YES

WATER RESOURCES: YES

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: YES

Red Flag Investigation - Site Location
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, 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: State Plane Indiana West (FIPS 1301 Ft US)

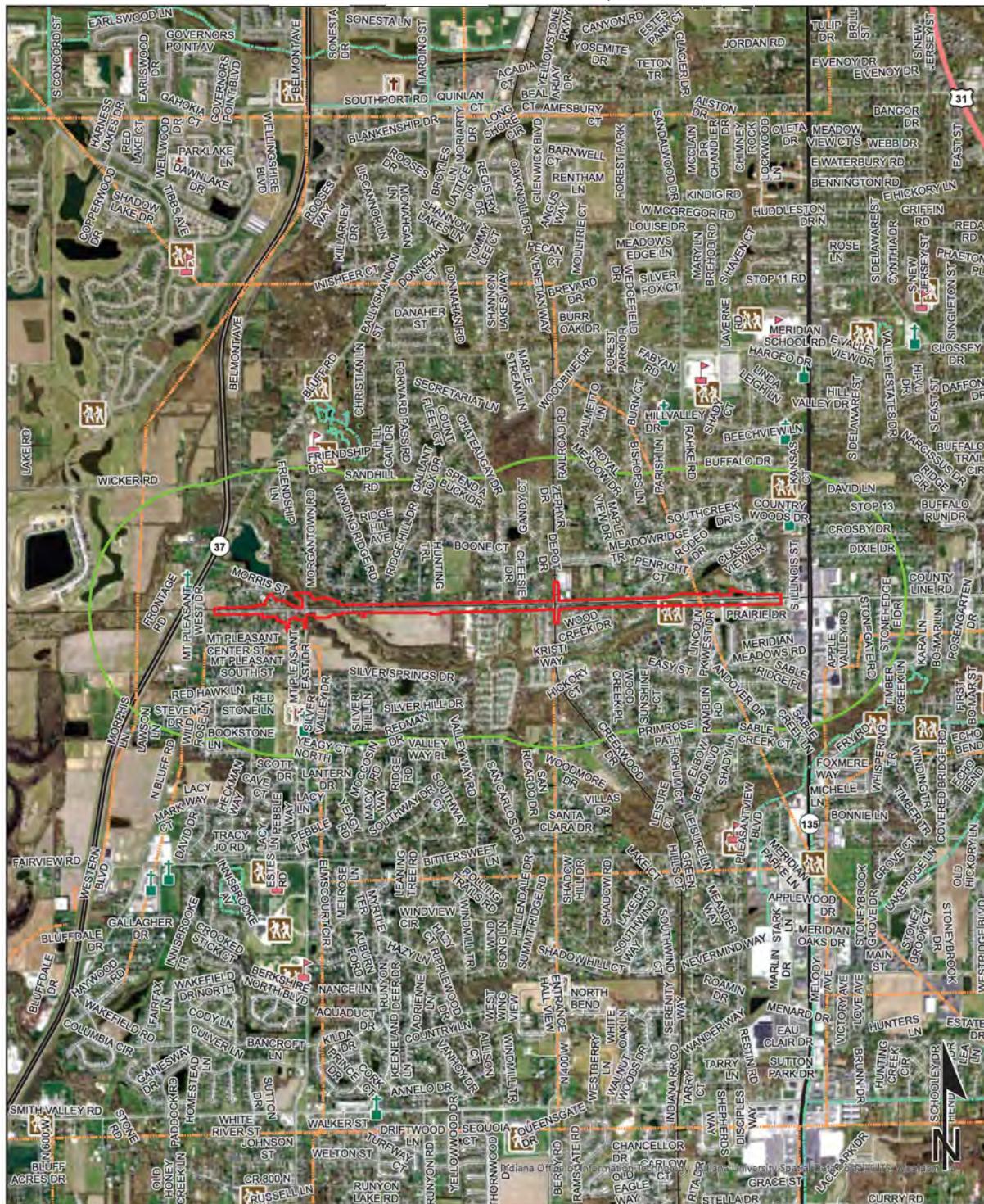
Map Datum: NAD83

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**MAYWOOD AND BARGARSVILLE
QUADRANGLES INDIANA**
7.5 MINUTE SERIES
(TOPOGRAPHIC)

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 - Infrastructure
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, Indiana**



Sources:

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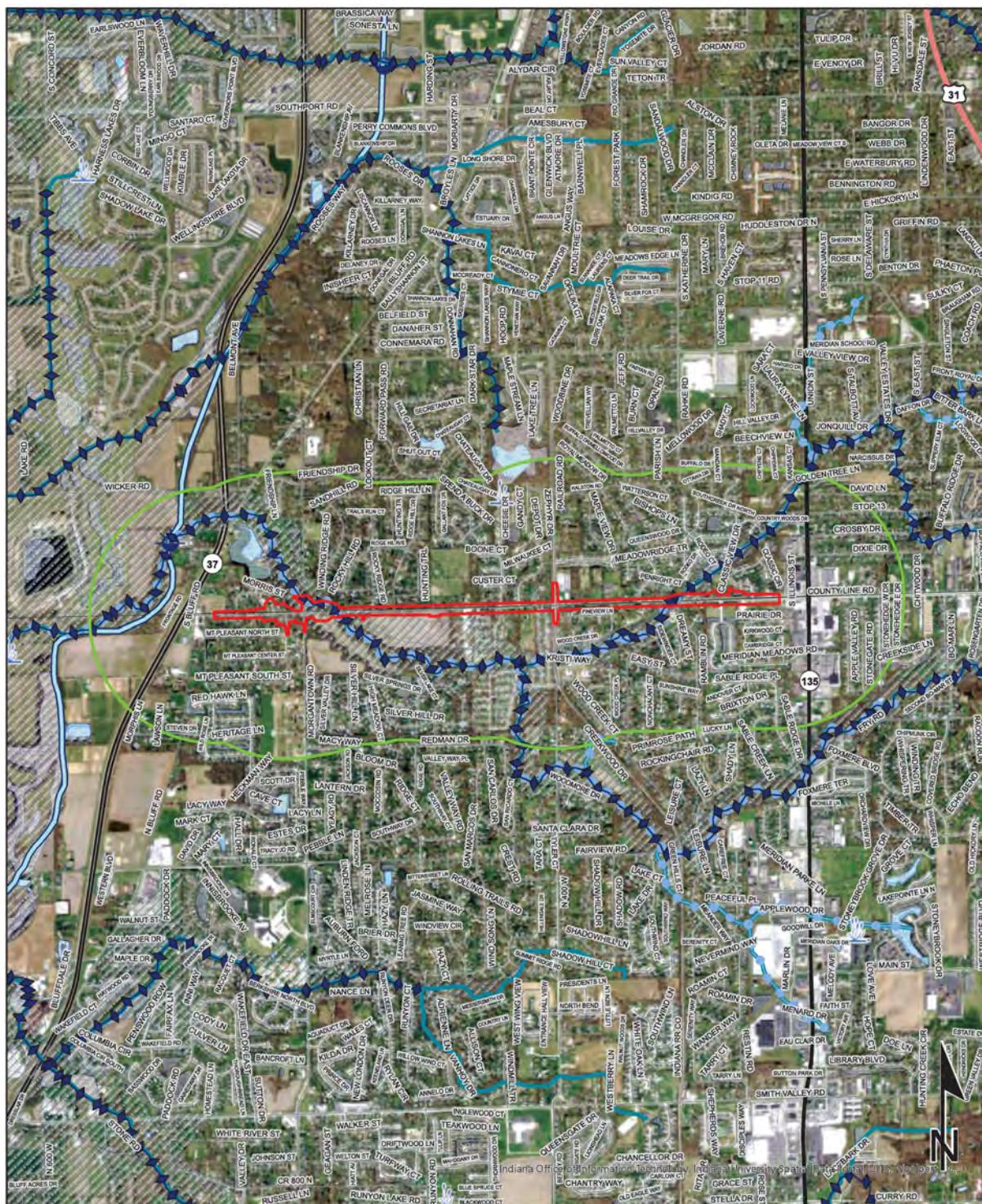
Map Projection: UTM Zone 16 N Map Datum: NAD83

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Feet

 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
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, Indiana



Sources:
Non Orthophotography

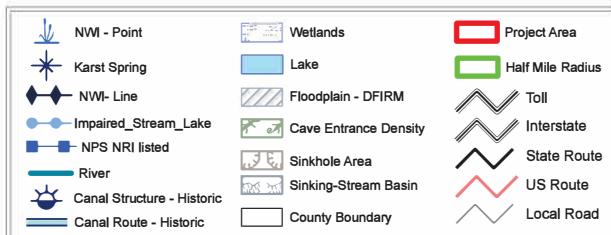
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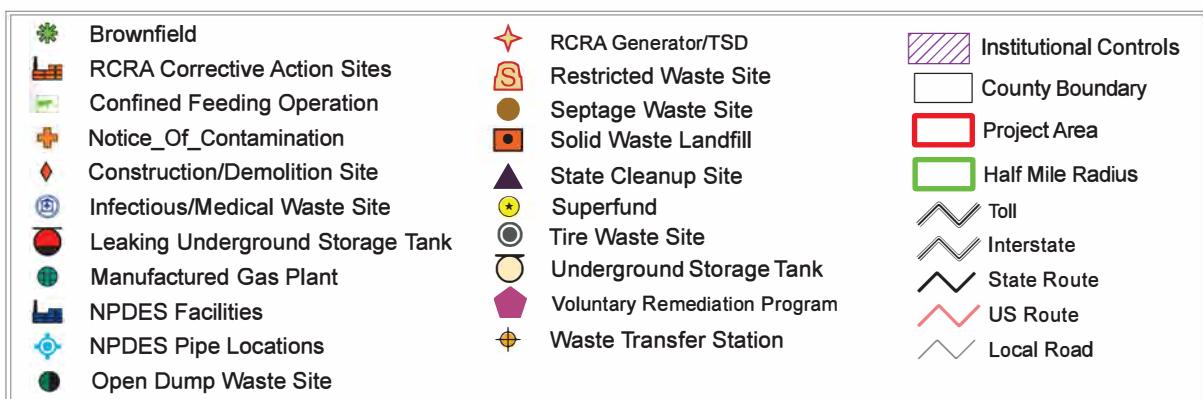
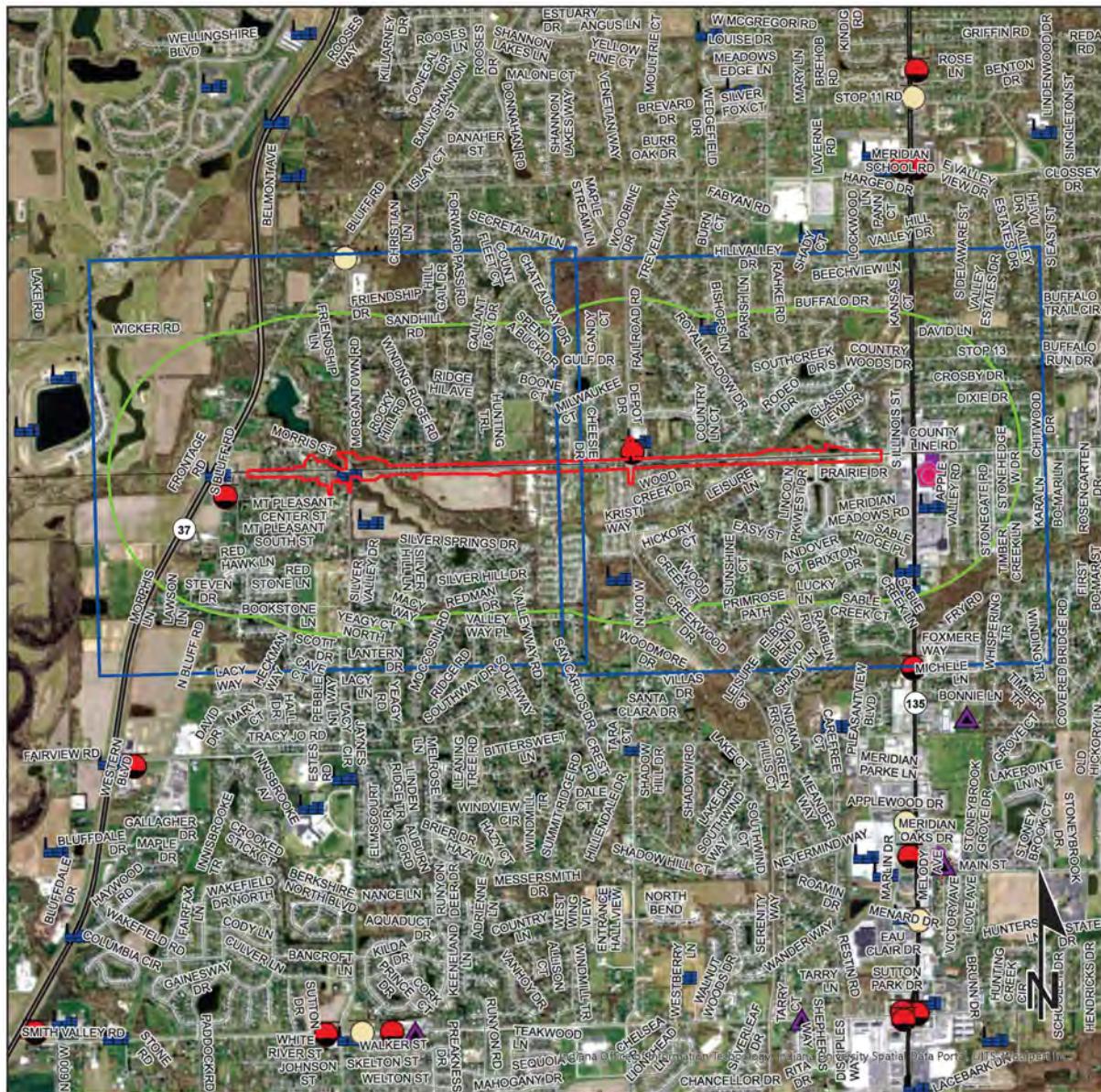
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Red Flag Investigation - Hazardous Material Concerns
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, Indiana

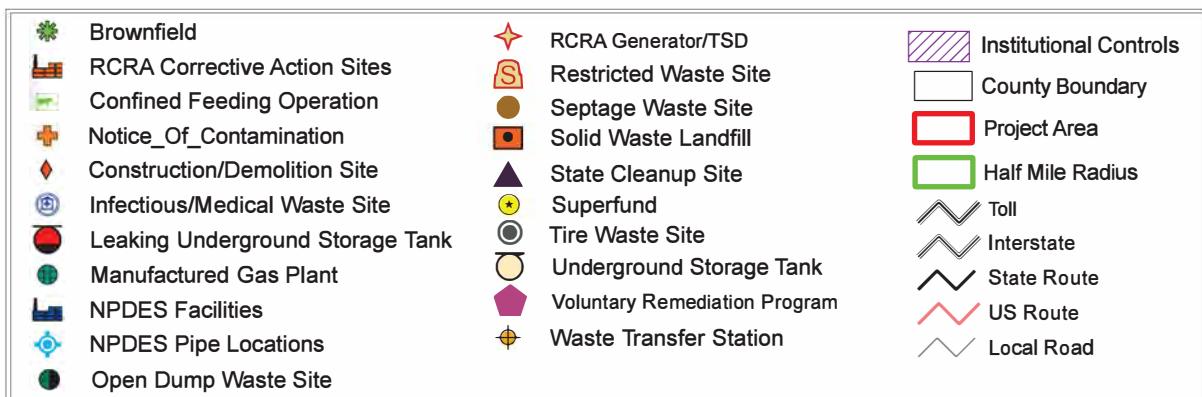
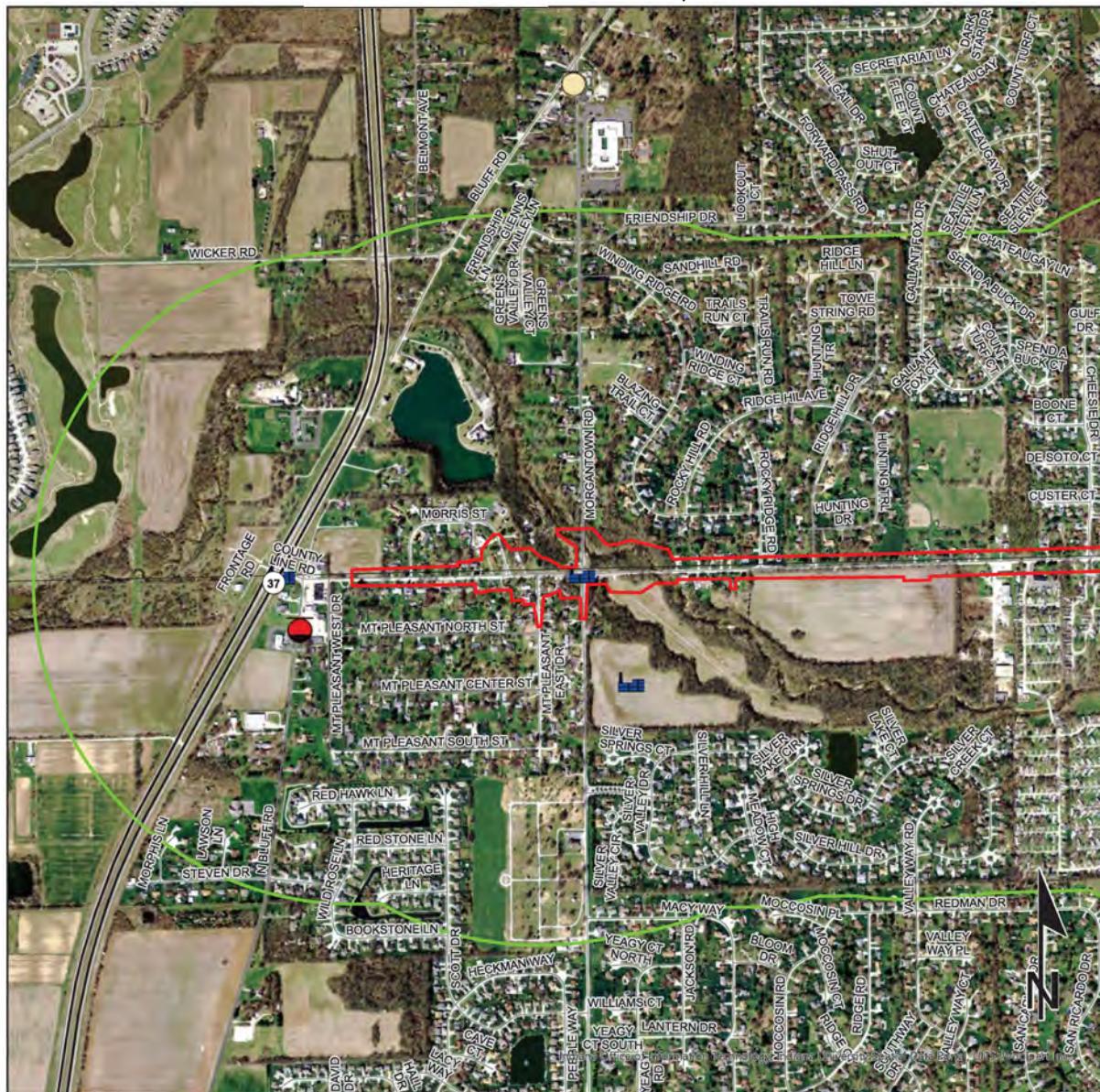


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Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N Map Datum: NAD83

Red Flag Investigation - Hazardous Material Concerns
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, Indiana



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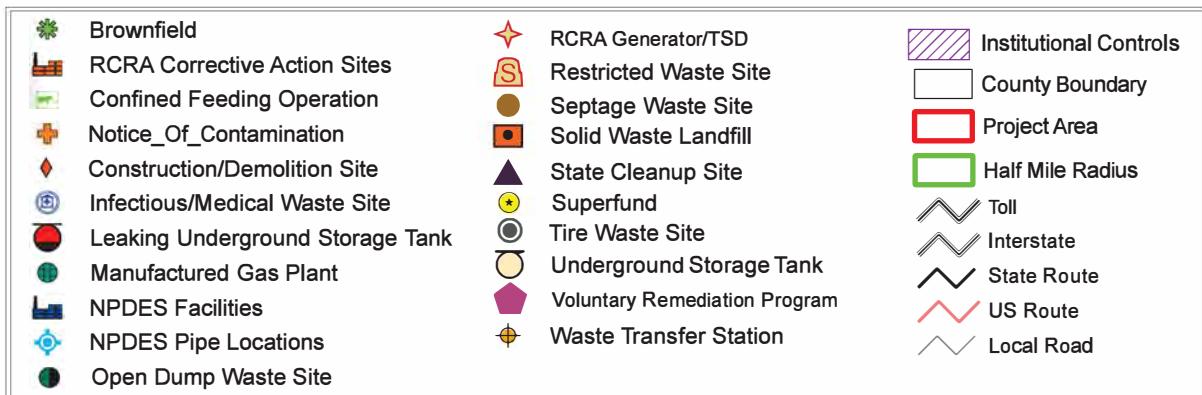
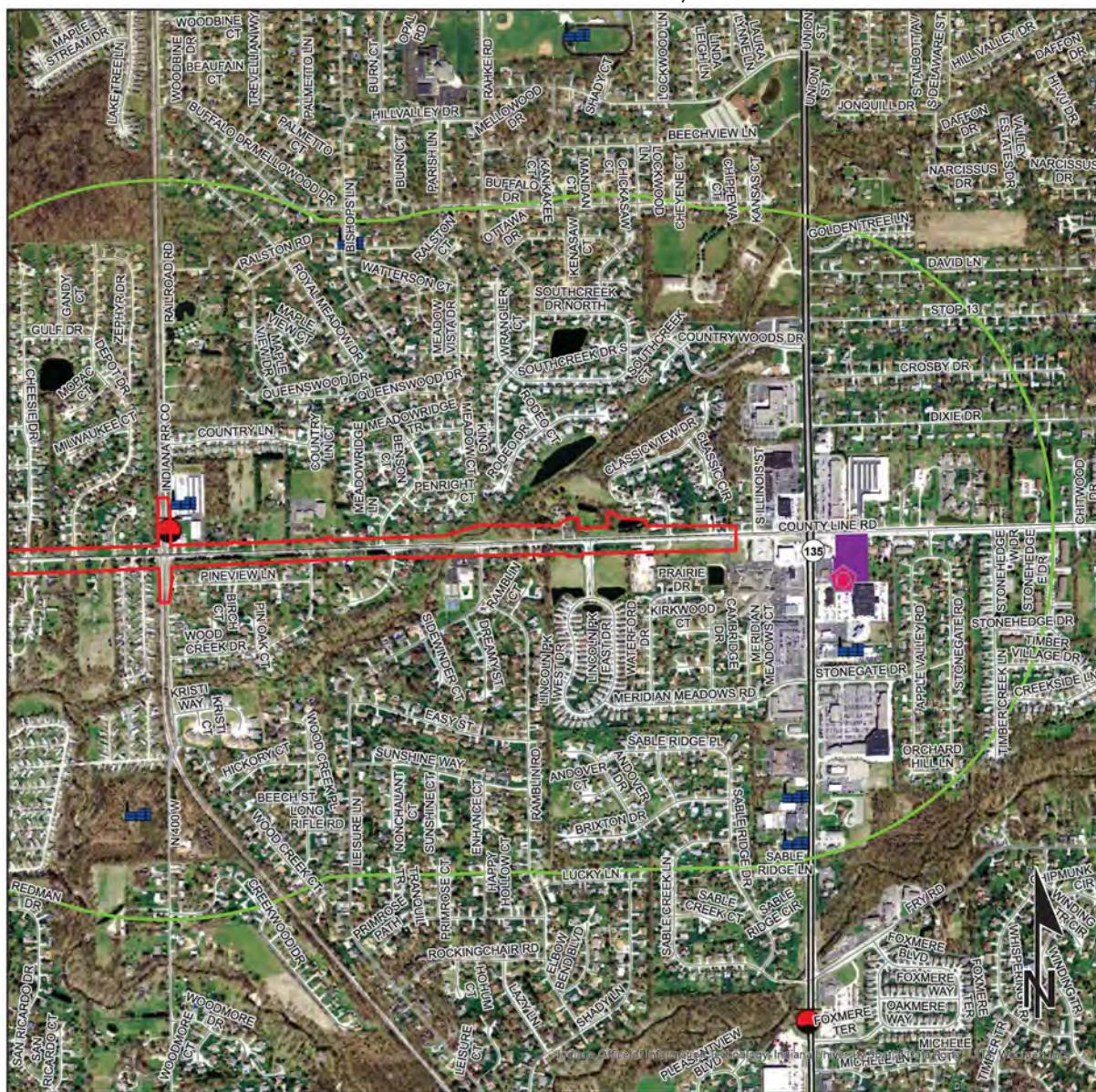
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Red Flag Investigation - Hazardous Material Concerns
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(www.indianamap.org)

Map Projection: UTM Zone 16 N Map Datum: NAD83

DATE: *October 1, 2021*

TO: *Department of Public Works
City of Indianapolis
200 E Washington Street
Indianapolis, IN 46204*



FROM: *Sharon Anton
HNTB Corporation
111 Monument Circle
Indianapolis, Indiana
santon@hntb.com*

SUBJECT: *RED FLAG INVESTIGATION ADDENDUM
Des. No. 2002553, Local Project
Added Travel Lanes
County Line Road, 0.3 Mile West of Morgantown Road to SR 135
Marion & Johnson Counties, Indiana*

PROJECT DESCRIPTION

A review of the original RFI signed on May 27, 2021 for the above DES # indicated substantive changes have occurred within the 0.5 mile radius and/or project area limits that will have an impact to the project. The project area was extended south along Railroad Road/Peterman Road in order to accommodate additional planned drainage work, which will provide positive drainage from County Line Road once the roadway improvements are completed. There was also a minor extension of the project area north at Chessie Drive in order to address a geometric deficiency in the planned roadway.

A small additional project area was added on the western edge, between N Bluff Road and Mount Pleasant Street South, which will allow for the construction of a second access to the Mount Pleasant subdivision. Johnson County codes require that any subdivision of sufficient size provide at least two access points, and two of the existing three will be closed as a result of this project. Additionally, the updated project area accounts for several minor updates based on the current proposed construction limits.

The following features and/or items were not detailed in the original RFI document dated May 27, 2021, but have since been identified as having an impact on the project area and requiring additional coordination.

Please note that Indiana Gas Co. is now CenterPoint Energy. Coordination occurred with CenterPoint Energy on October 2, 2023, and is ongoing through the utility coordination process.

1. Infrastructure:

Pipelines: As indicated above, the project area was extended south along Railroad Road/Peterman Road and additional project area was added between N Bluff Road and Mount Pleasant Street South. As such, one pipeline segment is now located within the project area at the N Bluff Road addition, and one pipeline segment is now located adjacent to the southern terminus of the Peterman Road extension. Both pipeline segments are associated with Indiana Gas Co. Coordination with Indiana Gas Co. will occur.

City of Indianapolis Department of Public Works concurrence: Ericka Miller, PE (Signature)

Digitally signed by Ericka Miller,
PE
DN: C=US,
E=ericka.miller@indy.gov,
CN=Erica.Miller,PE
Date: 2021.10.08
11:22:21-04'00'

INDOT ESD concurrence: Nicole Fohey-Breting (Signature)

Digitally signed by
Nicole Fohey-Breting
Date: 2021.10.04
08:31:26 -04'00'

Prepared by:
Sharon Anton
Scientist I
HNTB Corporation

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

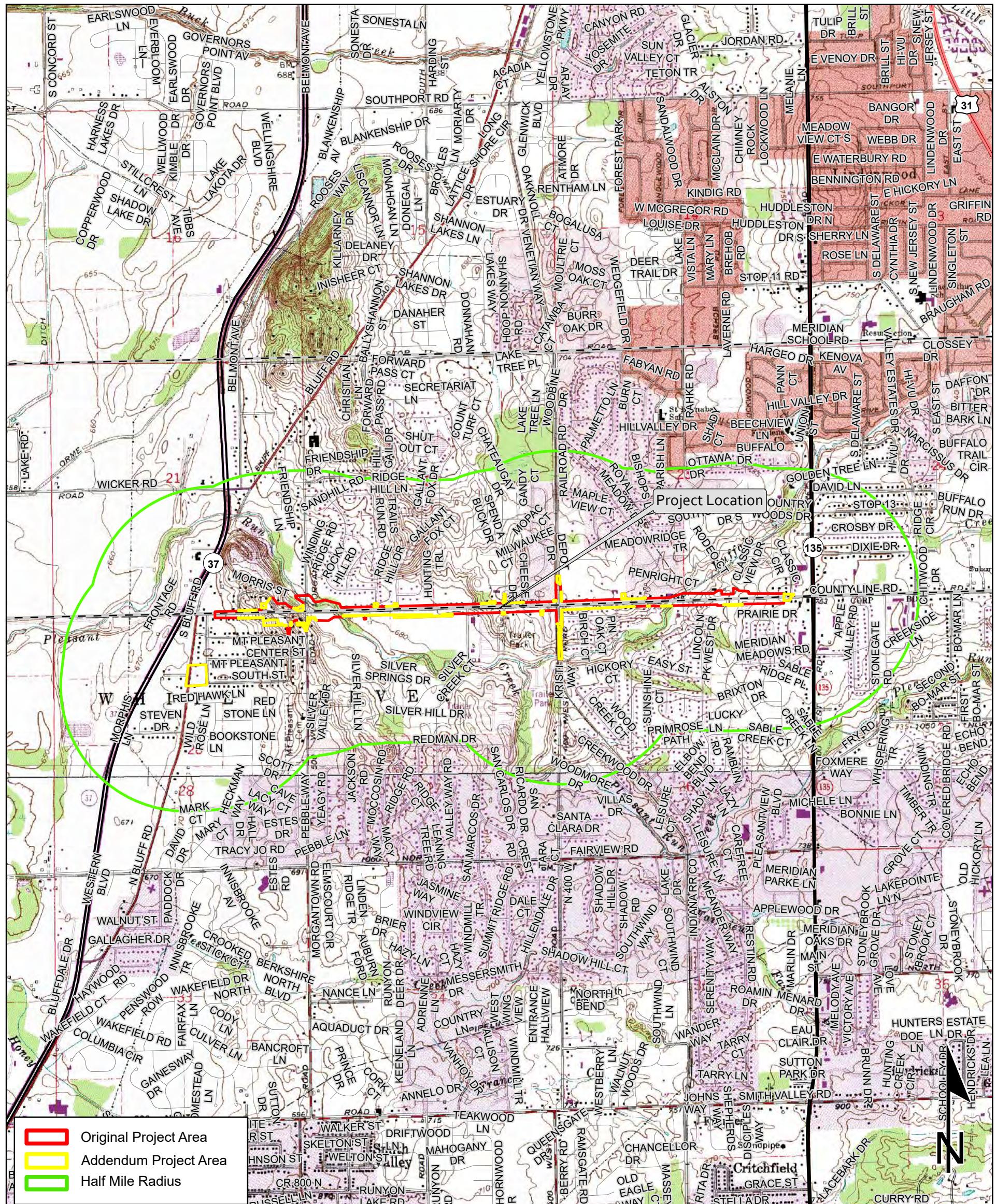
INFRASTRUCTURE: YES

WATER RESOURCES: N/A

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: N/A

Red Flag Investigation Addendum - Site Location
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, Indiana



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(www.indianamap.org)

Map Projection: State Plane Indiana West (FIPS 1301 Ft US)

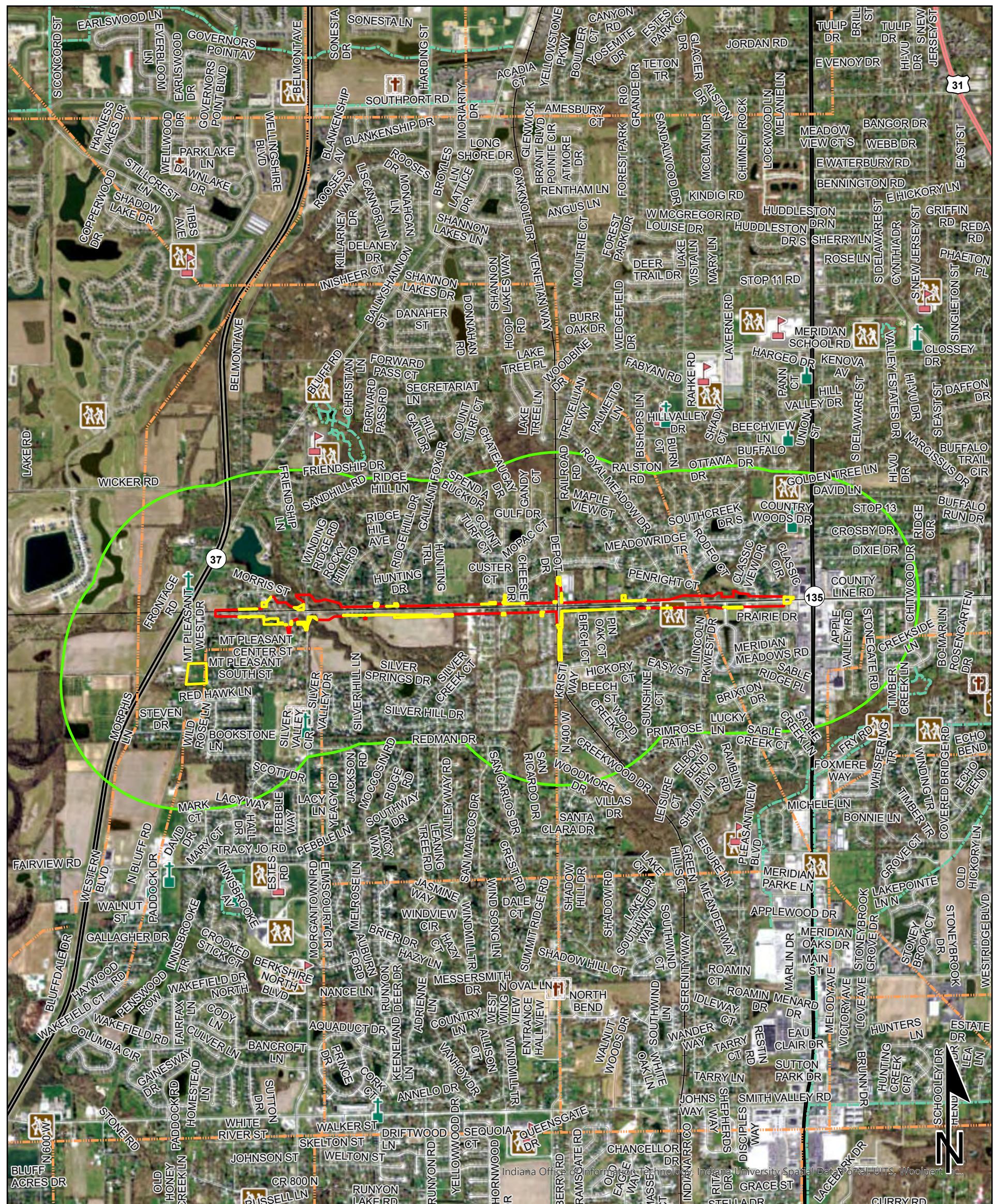
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**MAYWOOD AND BARGARSVILLE
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7.5 MINUTE SERIES
(TOPOGRAPHIC)**

Red Flag Investigation Addendum - Infrastructure
County Line Road Expansion, 0.3 Mile West of Morgantown Road to SR 135
Des. No. 2002553, Added Travel Lanes
Marion & Johnson Counties, 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.

0 1,000 2,000
Feet

