



Northeastern Indiana Regional Coordinating Council

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Daniel S. Avery,
Executive Director

Date: August 31, 2020

To: City of Fort Wayne
Patrick Zaharako
City Engineer
200 East Berry Street, Suite 210
Fort Wayne, IN 46802

From: Stacey Gorsuch
Northeastern Indiana Regional Coordinating Council
200 East Berry Street, Suite 230
Fort Wayne, IN 46802
Stacey.gorsuch@co.allen.in.us

Re: RED FLAG INVESTIGATION
Local Project
Added Travel Lanes
Clinton St from River Cove Trail to Diebold Rd
Fort Wayne, Allen County, Indiana

PROJECT DESCRIPTION

Brief Description of Project:

This project is on Clinton St, with the beginning of the RFI south of Auburn Rd to Mayhew Rd. The construction of this project will be from River Cove Tr to Diebold Rd. The project will add travel lanes that include curb and gutter on both sides with underground storm sewer system to address drainage on the roadway. The roadway will consist of four travel lanes, that will be eleven feet wide, with left turn lanes at intersections as needed. A ten foot trail on the east side with a five foot sidewalk on the west side of the roadway is proposed. There will be a six foot grass buffer between trail/sidewalk and curb line. In addition to the trails and sidewalks, curb ramps will be installed at all intersections. Wallen Rd will be realigned to create a perpendicular intersection. Additionally, signalization may be needed at Wallen Rd.

Bridge and/or Culvert Project: Yes ☒ No ☐ Structure # CV-02-118006

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

Proposed right of way: Temporary ☒ # Acres 0.0 Permanent ☒ # Acres 0.0

Right of way will be needed, most likely both temporary and permanent. Exact amounts are not known at this time, this will be determined during engineering design.

Type of excavation: Road and Utility

Maintenance of traffic: Yes, there will be a phased maintenance of traffic

Work in waterway: Yes ☒ No ☐ Above ordinary high water mark: Yes ☐ No ☒

State Project: ☐ LPA: ☒

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure			
Indicate the number of items of concern found within the 0.5 mile search radius. Items in () are the number of items that are adjacent to or within the project area. If there are no items, please indicate N/A:			
Religious Facilities	5 ⁽⁰⁾	Pipelines	3 ⁽¹⁾
Airports ¹	0	Railroads Active	N/A
Cemeteries	2 ⁽⁰⁾	Railroads Abandoned	N/A
Hospitals	N/A	Managed Lands	N/A
Schools	1 ⁽¹⁾	Trails Existing	4 ⁽¹⁾
Recreational Facilities	1 ⁽¹⁾	Trails Proposed/Planned	4 ⁽³⁾

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

Explanation:

Religious Facilities: Five (5) religious facilities are located within the 0.5 mile radius. The nearest facility is 0.25 miles south of the project area. No impact is expected.

Airports: Although not located within the 0.5 mile search radius. One (1) public airport, Smith Field Airport, is located within 3.8 miles (20,000 feet) of the project area; therefore, early coordination with INDOT Aviation will occur.

Cemetery: Two (2) Cemeteries are located within the 0.5 mile radius. The nearest cemetery is 0.22 miles west of the project area. No impact is expected.

Schools: One (1) School is located within the 0.5 mile radius. Holland Elementary is adjacent to the project area at the south end. It is located at the southwest corner of Auburn Rd and Clinton St. Traffic will need to be maintained throughout construction using lane closures and/or detours, allowing for continued access. Coordination with Holland Elementary and Fort Wayne Community Schools will need to occur.

Recreational Facilities: One (1) Recreational Facility is located within the 0.5 mile radius. Holland Elementary is considered a recreational facility and is adjacent to the project area at the south end. It is located at the southwest corner of Auburn Rd and Clinton St. Traffic will need to be maintained throughout construction using lane closures and/or detours, allowing for continued access. Coordination with Holland Elementary and Fort Wayne Community Schools will need to occur.

Pipelines: Three (3) Pipelines are located within the 0.5 mile radius. One (1) crude oil pipeline owned by Tri-State Pipeline Properties is identified within 0.05 miles of the project area at the northern end of the project. Coordination with Tri-State Pipeline Properties will need to occur.

Trails Existing: Four (4) existing trails are located within the 0.5 mile search radius. One (1) existing trail intersects the project area. It is the Auburn Road Trail located at the intersection of Auburn Rd and Clinton St. Coordination with the City of Fort Wayne Greenways Manager will need to occur.

Trails Proposed/Planned: Four (4) proposed or planned trails are located within the 0.5 mile search radius. Three (3) of the proposed or planned trails are located adjacent to or within the project area.

- The Clinton Street Trail is planned to be constructed with this project. It will stretch from Auburn Rd to Diebold Rd along the east side of Clinton St. Coordination with the City of Fort Wayne Greenways Manager will need to occur.
- The Beckett's Run Trail is proposed to cross Clinton St approximately 0.5 miles north of the intersection of Clinton St and Auburn Rd. Coordination with the City of Fort Wayne Greenways Manager will need to occur.
- The Diebold Road Trail will intersect the project at the intersection of Clinton St and Diebold Rd. Coordination with the Allen County Highway Department and City of Fort Wayne Greenways Manager will need to occur.

WATER RESOURCES TABLE AND SUMMARY

Water Resources			
Indicate the number of items of concern found within the 0.5 mile search radius. Items in () are the number of items that are adjacent to or within the project area. If there are no items, please indicate N/A:			
NWI - Points	N/A	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	66⁽⁹⁾
Canal Structures – Historic	N/A	Lakes	15⁽⁰⁾
NPS NRI Listed	N/A	Floodplain - DFIRM	27⁽¹⁰⁾
NWI-Lines	9⁽¹⁾	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	N/A	Sinkhole Areas	N/A
Rivers and Streams	30⁽⁵⁾	Sinking-Stream Basins	N/A
		*High Capacity Wells (Wellhead Protection Areas)	1⁽¹⁾

Explanation:

NWI-Lines: Nine (9) NWI-Lines are located within the 0.5 mile search radius. One (1) of the NWI-Lines intersects the project area 0.42 miles north of the intersection of Clinton St and Auburn Rd. This is associated with Beckett Run Drain. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

Rivers and Streams: Thirty (30) segments of Rivers/Streams/Ditches are located within the 0.5 mile search radius. Five (5) river/stream features intersect the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

- The Beckett Run Drain intersects the project approximately 0.42 miles north of the intersection of Clinton St and Auburn Rd.
- A drainage structure with piping and potential stream outlet is located on the north side of the intersection of Clinton Park Dr (south entrance) and Clinton St.
- The Swift Main Drain intersects the project approximately 0.1 miles south of the intersection of Clinton St and Wallen Rd.
- An unnamed natural drain intersects the project approximately 0.34 miles west of the intersection of Clinton St and Mayhew Rd.
- An unnamed natural drain intersects the project approximately 0.25 miles west of the intersection of Clinton St and Mayhew Rd.

NWI – Wetlands: Sixty-six (66) Wetlands are located within the 0.5 mile search radius. Nine potential (9) Wetlands are located very near or adjacent to the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

- One is located 0.1 miles northeast of Diebold Rd on the north side of Clinton St.
- There are two located 0.18 miles northeast of Wallen Rd on the north side of Clinton St. They are located on both sides of a drive entrance for a utility tower.
- One is located on the northwest corner of the intersection of Clinton St and Wallen Rd.
- One is located 0.12 miles south of Wallen Rd (just south of the Swift Main Drain) on the west side of Clinton St.
- One is located 0.12 miles south of Wallen Rd (just south of the Swift Main Drain) on the east side of Clinton St.
- One is located near the project on the east side of Clinton St approximately 0.34 miles south of the intersection of Clinton St and Wallen Rd.
- One is located near the project on the west side of Clinton St approximately 0.34 miles north of the intersection of Clinton St and Auburn Rd.
- One is located on the Southwest corner of the intersection of Clinton St and Auburn Rd.

Lakes: Fifteen (15) Lakes are located within the 0.5 mile search radius. The closest lake feature is approximately 0.13 miles east of the project area. There is one lake feature identified closer than this, just north of the intersection of Clinton St and Diebold Rd, but it no longer exists. No impact is expected.

Floodplain – DFIRM: Twenty-seven (27) Floodplain polygons are located within the 0.5 mile search radius. Ten (10) are located adjacent to or within the project area. Coordination with the appropriate agency will occur.

- The Floodway and Floodzone areas that are adjacent to or within the project area are all located around 4 waterways listed above in the “Rivers and Streams” category and include the following: The Beckett Run Drain, the Swift Main Drain, and 2 unnamed drains.

**High Capacity Wells:* To protect these features they are not identified in the water resource map due to their locational sensitivity. There was one (1) High Capacity Well/Wellhead Protection Area within the 0.5 mile search radius. The approximate location is near the intersection of Clinton St and Mayhew Rd project area. The approximate location may or may not be adjacent to or within the project area. Further investigation may be needed to determine if the project will be affected.

URBANIZED AREA BOUNDARY SUMMARY

Explanation:

Urbanized Area Boundary (UAB): This project lies within the Fort Wayne UAB. 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 Ms. Brandi Wallace MS4 Coordinator at 200 East Berry Street Suite 270, Fort Wayne, IN 46802.

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. Items in () are the number of items that are adjacent to or within the project area. If there are no items, please indicate N/A:			
Oil and Gas Wells	N/A	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

No Mining or Mineral resources were identified within the 0.5 mile search radius.

See next page for Hazardous Material Concerns

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns			
Indicate the number of items of concern found within the 0.5 mile search radius. Items in () are the number of items that are adjacent to or within the project area. 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	8 ⁽⁶⁾	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	N/A	Brownfields	N/A
Construction Demolition Waste	N/A	Institutional Controls	N/A
Solid Waste Landfill	N/A	NPDES Facilities	14 ⁽⁷⁾
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	2 ⁽¹⁾	Notice of Contamination Sites	N/A

Explanation:

Underground Storage Tank (UST) Sites: Eight (8) USTs are located within the 0.5 mile search radius. Six (6) USTs are located adjacent to the project area.

- One UST site is located at the south end of the project area south of Auburn Road at 7014 N Clinton St. The name of the location is the “F A L Electric Company Incorporated” and the Agency Interest ID is 4564. According to the IDEM’s Virtual File Cabinet there was a record of one 500 gallon tank on this property not far from the road right of way in 1988 but the tank was permanently out of use by that point. However, a cul-de-sac street with 7-8 homes was built over this site between 1999 and 2003. Although there are no records of its removal, this site no longer exist and has been fully developed with residential structures. No impact is expected.
- One UST site is located at 8343 N Clinton Park Dr which Intersects with Clinton St about 0.52 miles south of Wallen Rd. The name of the location is “Icon Corporation” and the Agency Interest ID is 2238. According to the IDEM’s Virtual File Cabinet the 10,000 gallon gasoline storage tank on this property was removed in 1987 when the a previous company (Purolator Courier Corp) resided at this location. There are no records of how the tank was removed or if any testing was completed for potential leaks. Since this tank was removed prior to 1990 there is a possibility that leaking or contamination was not reported or investigated. This sight was adjacent to where the project will be. Further investigation may be needed. If contamination is encountered, proper handling, removal, and disposal of soil and/or groundwater will be necessary.
- One UST site is located at 9389 N Clinton St which is located on the northwest corner of the Clinton St and Diebold Rd intersection. The name of the location is “Souder Jacquay Corporation” and the Agency Interest ID is 5059. According to the IDEM’s Virtual File Cabinet there was a “Notification for Underground Storage Tanks” filled out in 1986. The tank was located on the west side of Diebold Rd just north of Clinton St near a building that still exists today as Redline Honda. A hand written note contained on the form said the tank was listed as closed but no more forms existed. The tank may still be located at the location. Depending on improvements at the intersection of Diebold Rd and Clinton St, specifically additional lane width or turn lanes along Diebold Rd, this could impact the project. With the age of this tank, even if it was removed, it is possible that there could be leaking or contamination in the area. Further investigation may be needed. If contamination is encountered, proper handling, removal, and disposal of soil and/or groundwater will be necessary.
- One UST site is located at 10330 Leo Rd with a facility name of “Phils Northway Deli with an Agency Interest ID of 4697. It is located on the northeast corner of Mayhew Rd and Old Leo Rd. The last tank inspection dated 12/10/2015 passed with a “Does Meet” and “Notice of Compliance” designation. No impact is expected.
- One UST site is located at 10324 Old Leo Rd which is located at the intersection of Clinton St and Mayhew Rd on the map but after further investigation this site is related to the trailer park east of the intersection. The name

of the location is “Redwood Estates Mobile Home Park” and the Agency Interest ID is 3638. No impact is expected

- One UST site is located at 10226 Leo Rd which is located on the southeast corner of the intersection of Clinton St and Mayhew Rd. The name of the location is “Quickstop Foodmart” and the Agency Interest ID is 1402. This location installed new tanks in 2016 and would be outside of the project area as they have been installed with the new gas station development and are currently in compliance. No impact is expected.

Leaking Underground Storage (LUST) Sites: Two (2) LUST sites are located within the 0.5 mile search radius. One (1) LUST site is located adjacent to the project area.

- The LUST site is located at 10226 Leo Rd which is located at the southeast corner of the intersection of Clinton St and Mayhew Rd. The name of the location is “Northway Center Inc” and the Agency Interest ID is 1402. There were multiple USTs located on the site that that were permanently closed and removed according to a report from the Virtual File Cabinet. According to reports in 2014 there was soil and water contamination at this property. As a result of the contamination a “Notification of Residual Petroleum Contaminants” and an “Environmental Restrictive Covenant (ERC)” was developed and submitted. Monitoring wells located on this property have been abandoned as of 8-24-14. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary. This will affect the project.

NPDES Facilities: Fourteen (14) NPDES Facilities are located within the 0.5 mile search radius. Seven (7) NPDES Facilities are located adjacent to the project area.

- The property with NPDES Facility name “William’s Service Center, Inc”, permit number INR10M803 is located near the corner of Mayhew Rd and Old Leo Rd and may be adjacent to the project area. The permit was issued on 10/4/2016 and expires 10/3/2021.
- The property with NPDES Facility name “Leo Shoppes – Building 1”, permit number INR10L182 is located near the corner of Mayhew Rd and Old Leo Rd and may be adjacent to the project area. The permit was issued on 11/21/2015 and expires 11/19/2020.
- The property with NPDES Facility name “North Clinton Laydown Yard Project”, permit number INR10M349 is located near the corner of Clinton St and Brooks Rd is adjacent to the project area. The permit was issued on 7/19/2016 and expires 7/18/2021.
- There are two NPDES facilities located near the Diebold Rd and Clinton St intersection adjacent to the project area with the same facility name of “Robinson Park 345KV Substation”. One has permit number INR10J133 which was issued on 9/30/2014 and expired 9/29/2019. The other permit is number INR10K479 which was issued on 7/23/2015 and expired 7/21/2020.
- The property with NPDES Facility name “Robinson Park 138KV Substation”, permit number INR10H978 is located west of the Clinton St and Brooks Rd intersection adjacent to the project area. Under the Location address, however, it states “Citywide”. The permit was issued on 3/12/2014 and expired 3/11/2019.
- The property with NPDES Facility name “The Shoppes at Canterbury”, permit number INR10I715 is shown on the map to be located near the intersection of Clinton St and Clinton Park Dr which would be adjacent to the project area. In the NPDES database the facilities location address is “3128 St Joe Center Rd” which is not near the project area. Also, the permit expired on 7/21/2019.

HISTORIC SITES AND AREAS TABLE AND SUMMARY

Historic Features			
Indicate the number of items of concern found within the 0.5 mile search radius. Items in () are the number of items that are adjacent to or within the project area. If there are no items, please indicate N/A:			
Historic Sites or Districts	N/A	Select Bridges	N/A
Non-Select Bridges	N/A	Potential Historic Bridges	N/A
Properties identified in the SHAARD database	87 ⁽⁶⁾	Potential Historic Sites or Districts	1 ⁽⁰⁾
Post-War Era (1940-1973) Residential Housing Sites	647 ⁽²²⁾		

Explanation:

Properties identified in the SHAARD database (State Historic Architectural and Archaeological Research Database): Eighty-seven (87) properties or sites are located within the 0.5 mile search radius. Six (6) sites are located adjacent to the project area. All six sites have a County Survey rating as “Contributing” (see SHAARD map and GIS list in the graphics section). Since these properties/sites are only rated as “Contributing”, and not part of a historic district, there should be no negative historical affects that need mitigated or considered. No impacted is expected.

Potential Historic Sites or Districts: One (1) Potential Historic District is located within the 0.5 mile search radius. The Concordia Theological Seminary of Fort Wayne property is eligible for application for the National Register of Historic Places and is approximately 0.25 miles south of the project area. No impacted is expected.

Post-War Era (1940-1973) Residential Housing Sites: Six Hundred Forty-Seven (647) Parcels that have residential housing built between 1940 and 1973 are located within the 0.5 mile search radius. Twenty-Two (22) of these parcels are adjacent to the project area and may affect the project. These may be individual parcels or parcels within areas where larger amounts of residential development from this time period exist. Coordination with INDOT Cultural Resources Office will need to occur. One cluster of residences located along Swift Dr have been significantly modified and do not retain the original character of this time period. One Subdivision however, which was almost completely developed during this time period, contains strong architectural features representing this era and is located on the east side of Clinton St at the intersection of Auburn Rd. The subdivision is called Concordia Gardens. This subdivision contains an internal, centrally located park as well. This may affect the project.

ECOLOGICAL INFORMATION SUMMARY

The Allen 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 Federal ETR species highlighted. Also, information from the Planning and Consultation (IPaC) report is included.

PEDESTRIAN INFRASTRUCTURE

- The overall recommendation for Clinton St is to construct a sidewalk along the west side of Clinton St and a trail on the east side of Clinton St from Auburn Rd to Diebold Rd. From Diebold Rd to Mayhew Rd the recommendation is to construct sidewalks along both sides of Clinton St. The following pedestrian and bus infrastructure/connections (1-11) should be accommodated in the project:
 - 1) With a sidewalk on the west side and a trail on the east side of Clinton St proposed with this project, pedestrian crossings will be needed at all 4 legs of the intersection of Clinton St and Auburn Rd.
 - 2) Coordinate with Fort Wayne Citilink. There is an existing bus stop on the east side of Clinton St just north of Auburn Rd. If this bus stop still exists, and will continue to exist into the future, the appropriate ADA improvements should be made at this location. A landing pad connecting from the trail being built and the roadway may be needed at this location.
 - 3) Connect the trail being built on the east side of Clinton St with the existing sidewalks along River Cove Trl.
 - 4) Connect the trail being built on the east side of Clinton St with the existing sidewalks along Jacobs Creek Run.
 - 5) The Beckett’s Run Trail will cross Clinton St at this location. Beckett’s Run Trail will be constructed soon on the east side of Clinton St. There needs to be a safe crossing installed such as a mid-block crossing with a HAWK Signal.
 - 6) Connect the trail being built on the east side of Clinton St with the existing sidewalk along Meadows Park Way.
 - 7) Connect the trail being built on the east side of Clinton St with the existing sidewalks along Riveroak Dr.
 - 8) Construct a sidewalk along the south side of Wallen Rd to the project limits west of Clinton St. Provide an east/west pedestrian crossing with the intersection improvements and signalization being made at this intersection.

- 9) A trail is planned to be built along the west side of Diebold Rd and a sidewalk along the east side of Diebold Rd. With the signalization and improvements being made at Clinton St and Diebold Rd the sidewalk and trail need extended to the project limits along Diebold Rd north of Clinton St and there will need to be pedestrian crossings at all intersection approaches.
- 10) Connect the sidewalk being built on the south side of Clinton St with the existing sidewalk along Bent Creek Blvd.
- 11) Pedestrian crossings are needed at all intersection approaches. Sidewalks will need to connect with the existing sidewalks on the southeast corner of the Clinton St and Mayhew Rd intersection. A sidewalk will need constructed along the north side of Old Leo Rd to connect with the existing sidewalk east of Mayhew Rd. Sidewalks need constructed on both sides of Clinton St from the intersection of Clinton St and Mayhew Rd to the existing trail and sidewalk at the intersection of Clinton St and SR 1. Sidewalks need built along the west side of Mayhew Rd south of the intersection of Clinton St and Mayhew Rd to the southern project limits.

UTILITIES

A contact list of utility companies located within project area can be found in the Graphics section.

RECOMMENDATIONS SECTION

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

INFRASTRUCTURE: The Red Flag Investigation has identified twenty (20) Infrastructure items within the half mile radius. Of the twenty (20) items only eight (8) may be affected by the project.

- The public *Airport*, Smith Field Airport, is within 3.8 miles (20,000 feet) of the project area. Early coordination is needed with INDOT Aviation.
- There is one (1) *School* and one (1) *Recreational Facility* (both are Holland Elementary) adjacent to the project. This school could be impacted with the transportation routes to and from the schools. Coordination with Holland Elementary, and Fort Wayne Community Schools will be needed.
- One (1) *Pipeline* is within project limits. Coordination with Tri-State Pipeline Properties will need to occur.
- One (1) *Existing Trail* is adjacent to the project. Coordination with the City of Fort Wayne Greenways Manager will need to occur.
- There are four (4) *Potential Trails* located adjacent to the project. Coordination with the Allen County Highway Department and the Fort Wayne Greenways Manager will be needed.

WATER RESOURCES: The Red Flag Investigation has identified one hundred forty-eight (148) Water Resources within the half mile radius. Of the one hundred forty-eight (148) items only twenty-six (26) may be affected by the project.

- One (1) *NWI-Line* intersects the project. A Waters of the US Report is recommended and coordination with the appropriate agency will occur, if needed.
- Five (5) drains (*Rivers and Streams*) intersect the project. A Waters of the US Report is recommended and coordination with the Allen County Surveyor's Office as well as other appropriate agencies, if applicable, is needed.
- There are nine (9) *Wetlands* adjacent to the project. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, is needed.
- There are ten (10) *Floodplain* polygons are adjacent to or within project area. Coordination with the appropriate agency will occur.
- There was one (1) High Capacity Well/Wellhead Protection Area within the 0.5 mile search radius. Further investigation may be needed to determine if the project will be affected.

URBANIZED AREA BOUNDARY: Post construction Storm Water Quality Best Management Practices (BMPs) may need to be considered. It is recommended that early coordination with the City of Fort Wayne be conducted.

MINING/MINERAL EXPLORATION: There are no items adjacent to the project.

HAZARDOUS LOCATIONS: The Red Flag Investigation has identified twenty-four (24) Hazardous Locations within the half mile radius. Of the twenty-four (24) items only fourteen (14) may be affected by the project.

- Six (6) *Underground Storage Tank (UST) Sites* are adjacent to the project. Four (4) of the USTs are not expected to be impacted by the project. The other two (2) USTs will need further investigation to determine impact.
- There is one (1) *Leaking Underground Storage (LUST) Site* adjacent to the project. Further investigation is needed to determine impact.
- Seven (7) *NPDES* Facilities are located adjacent to the project area. Multiple permits have been issued, some have expired and some have not. Additional investigation will be needed to determine impact.

HISTORIC SITES AND AREAS: The Red Flag Investigation has identified seven hundred thirty-five (735) sites within the half mile radius. Of the seven hundred thirty-five (735) items only twenty-eight (28) may be affected by the project.

- Six (6) *County Survey Sites* identified from the SHAARD database (State Historic Architectural and Archaeological Research Database) are located adjacent to the project area. All six (6) sites have a County Survey rating as “Contributing”. No impact is expected.
- There are twenty-two (22) *Post-War Era Residential Housing Sites* adjacent to the project area that may affect the project. Some of these as standalone sites are part of residential neighborhoods (subdivisions) that have strong architectural features representing this era and may be affected by the project. Coordination with INDOT Cultural Resource Office may need to occur.

ECOLOGICAL INFORMATION: Coordination with the Indiana Department of Natural Resources (IDNR) and the U.S. Fish and Wildlife Service (USFWS) will be needed to determine the potential impact to any listed species and/or habitats may have on the project.

PEDESTRIAN AND BUS STOP INFRASTRUCTURE: Eleven (11) locations have been identified that require new infrastructure. All facilities must meet PROWAG requirements.

UTILITIES: A list of the utility companies within the project area has been identified. Contact utility representatives early in the engineering phase to determine impacts the project will have on the location of all utilities.

Prepared by:

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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.

PROJECT LOCATION: YES

SITE LOCATION: YES

INFRASTRUCTURE: YES

WATER RESOURCES: YES

URBANIZED AREA BOUNDARY: YES

MINING/MINERAL EXPLORATION: YES

HAZARDOUS LOCATIONS: YES

HISTORIC FEATURES: YES

SHAARD GIS MAP: YES

SHAARD GIS LIST: YES

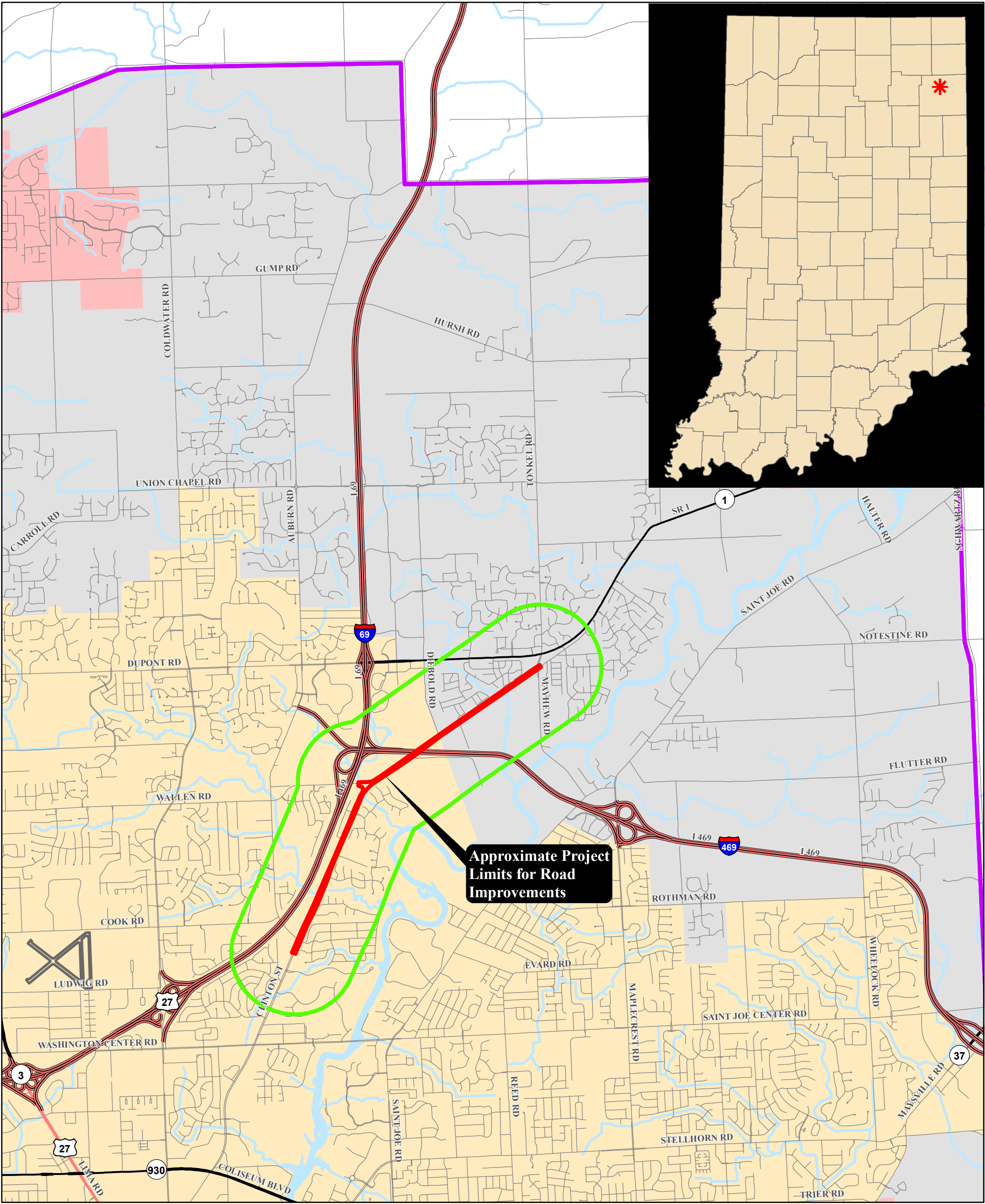
LIST OF ENDANGERED, THREATENED AND RARE SPECIES: YES

INFORMATION FROM THE PLANNING AND CONSULTATION (IPaC): YES

PEDESTRIAN INFRASTRUCTURE: YES

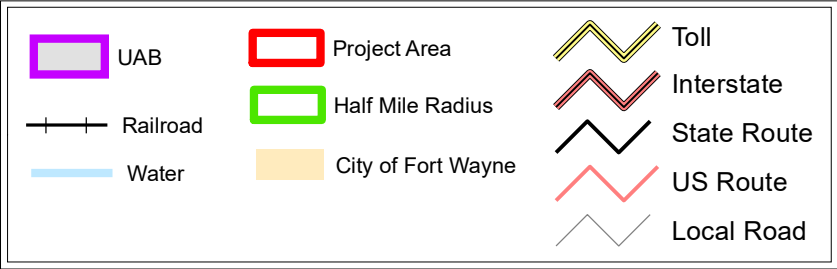
UTILITY CONTACT LIST: YES

Red Flag Investigation - Project Location
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

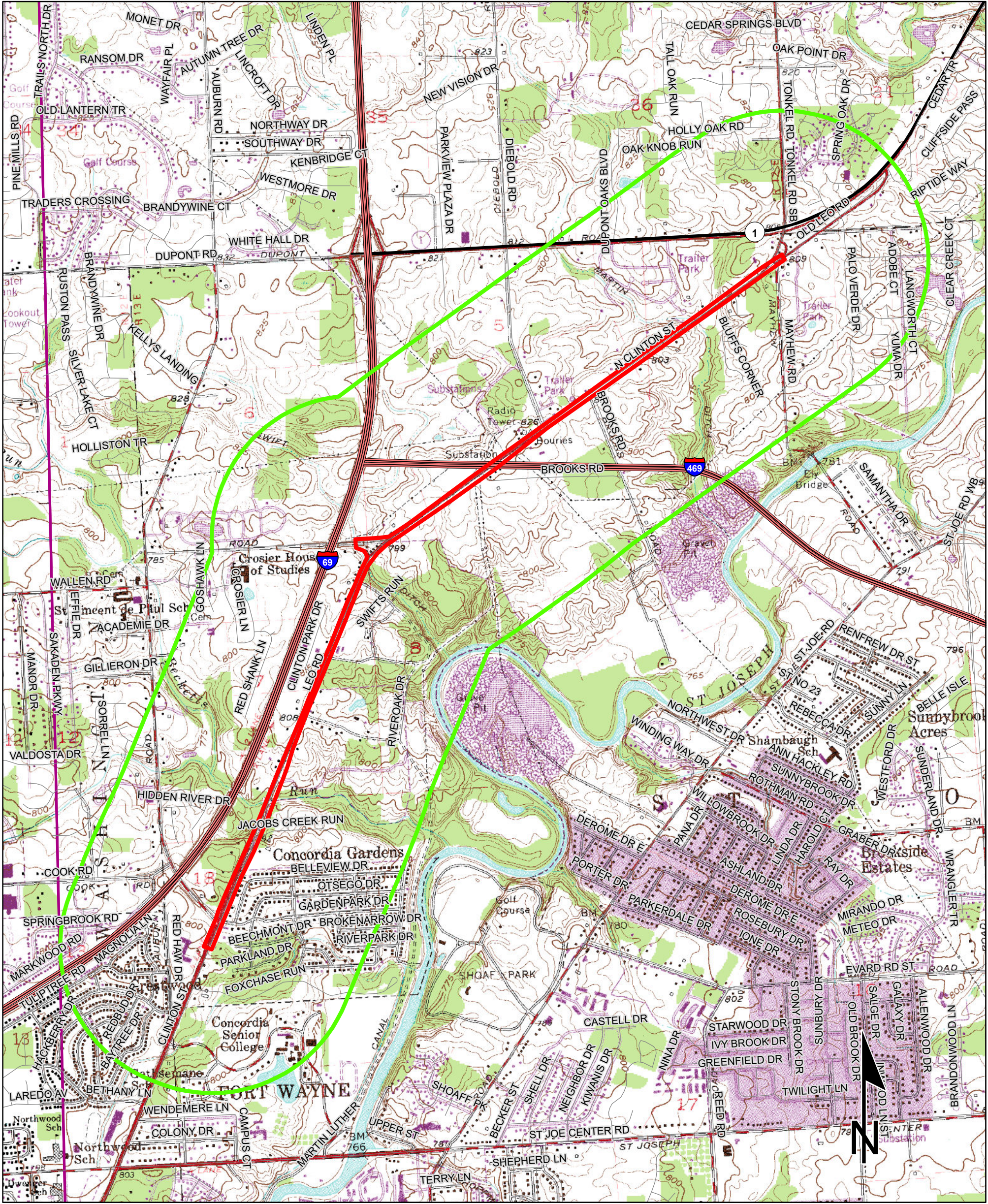


Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council

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 - Site Location
Clinton St
Road Widening
City of Fort Wayne, Allen County, Indiana



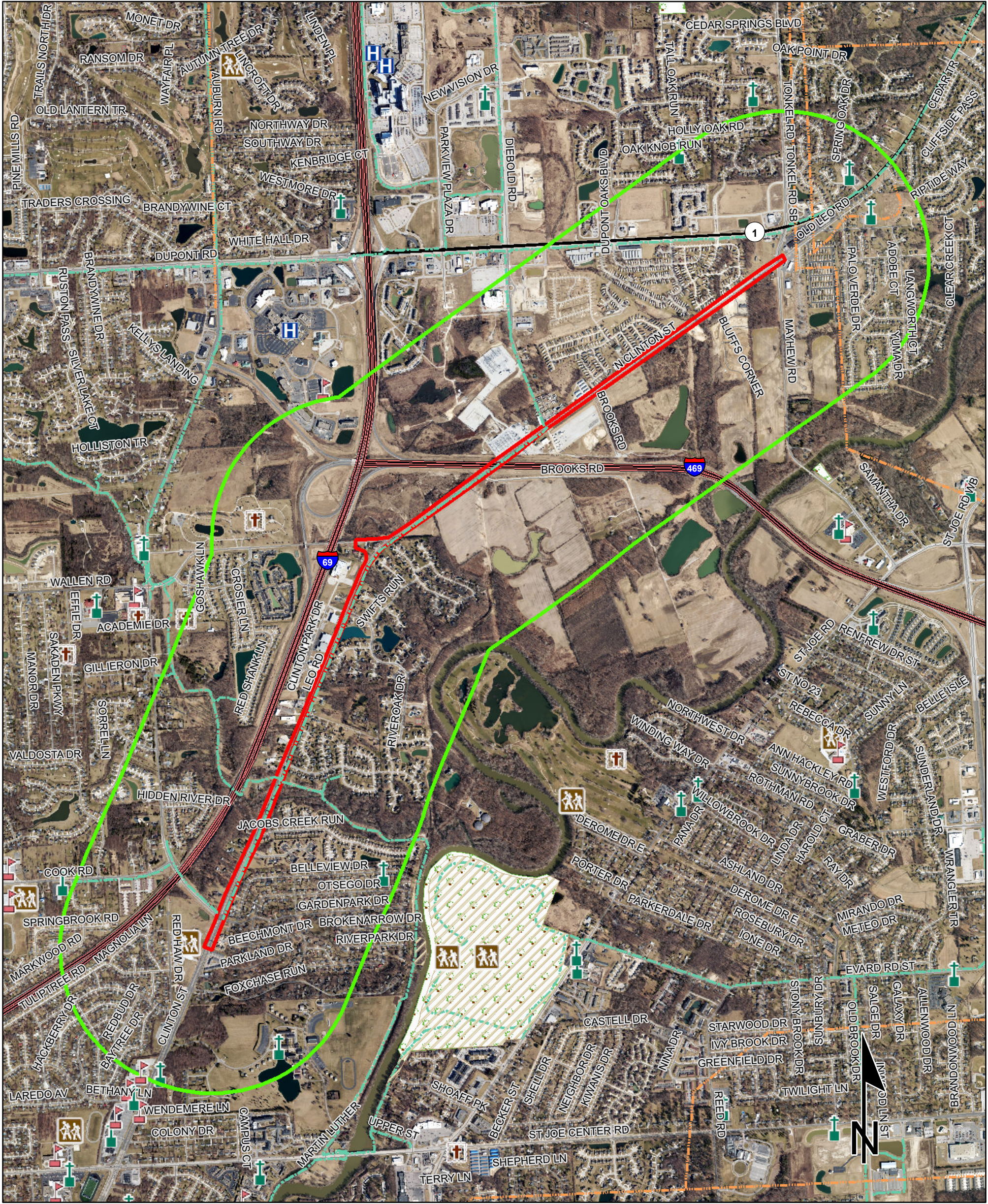
0.4 0.2 0 0.4 Miles

Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council

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

**CEDARVILLE
QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)**

Red Flag Investigation - Infrastructure
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

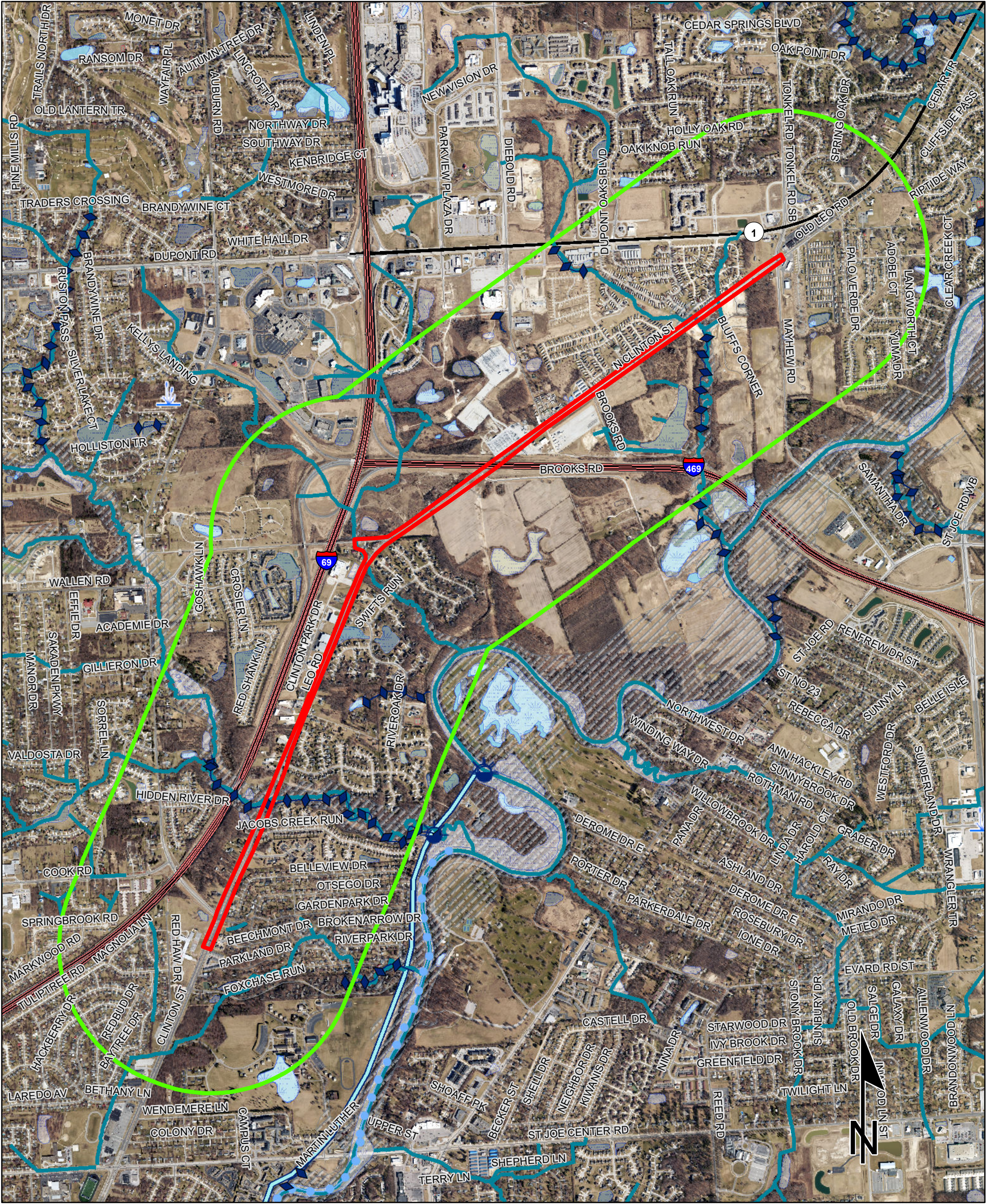


Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

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

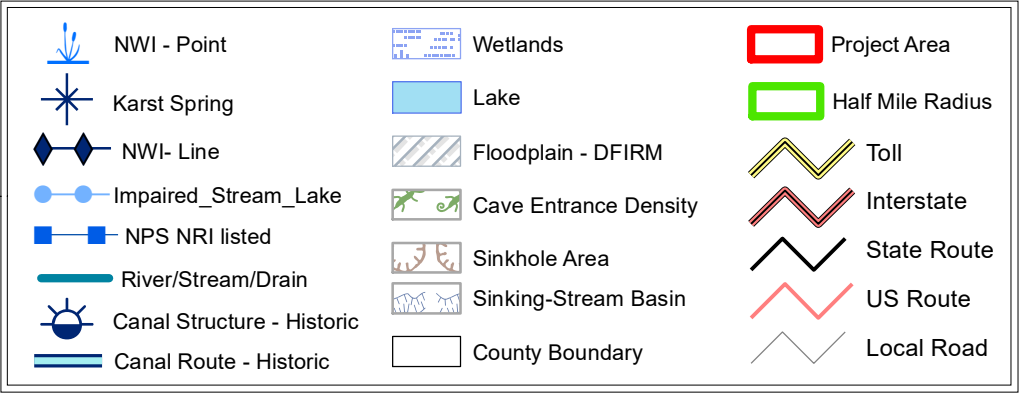
	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

Red Flag Investigation - Water Resources
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

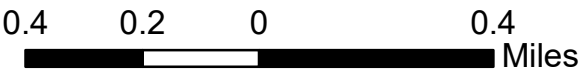
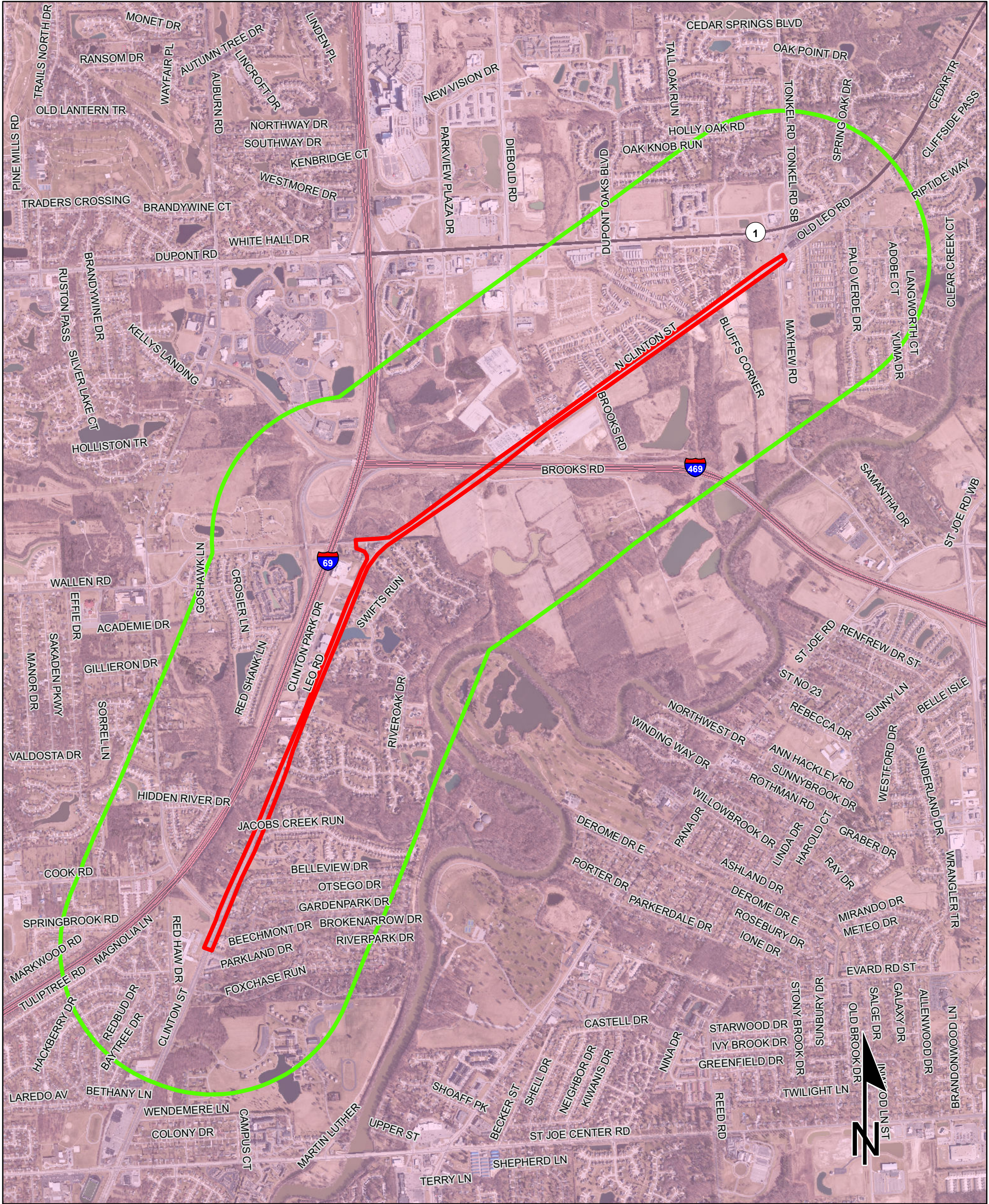


Sources:
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Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
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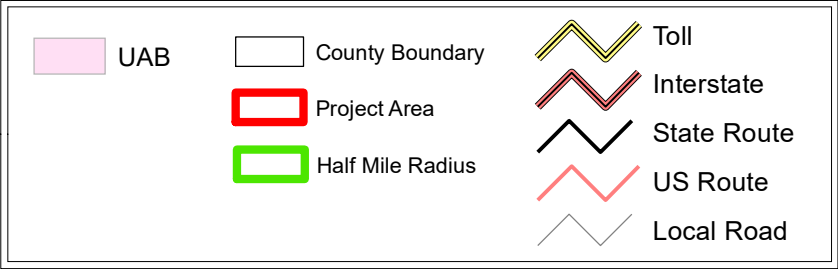


Red Flag Investigation - Urbanized Area Boundary
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

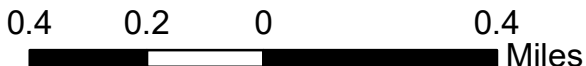
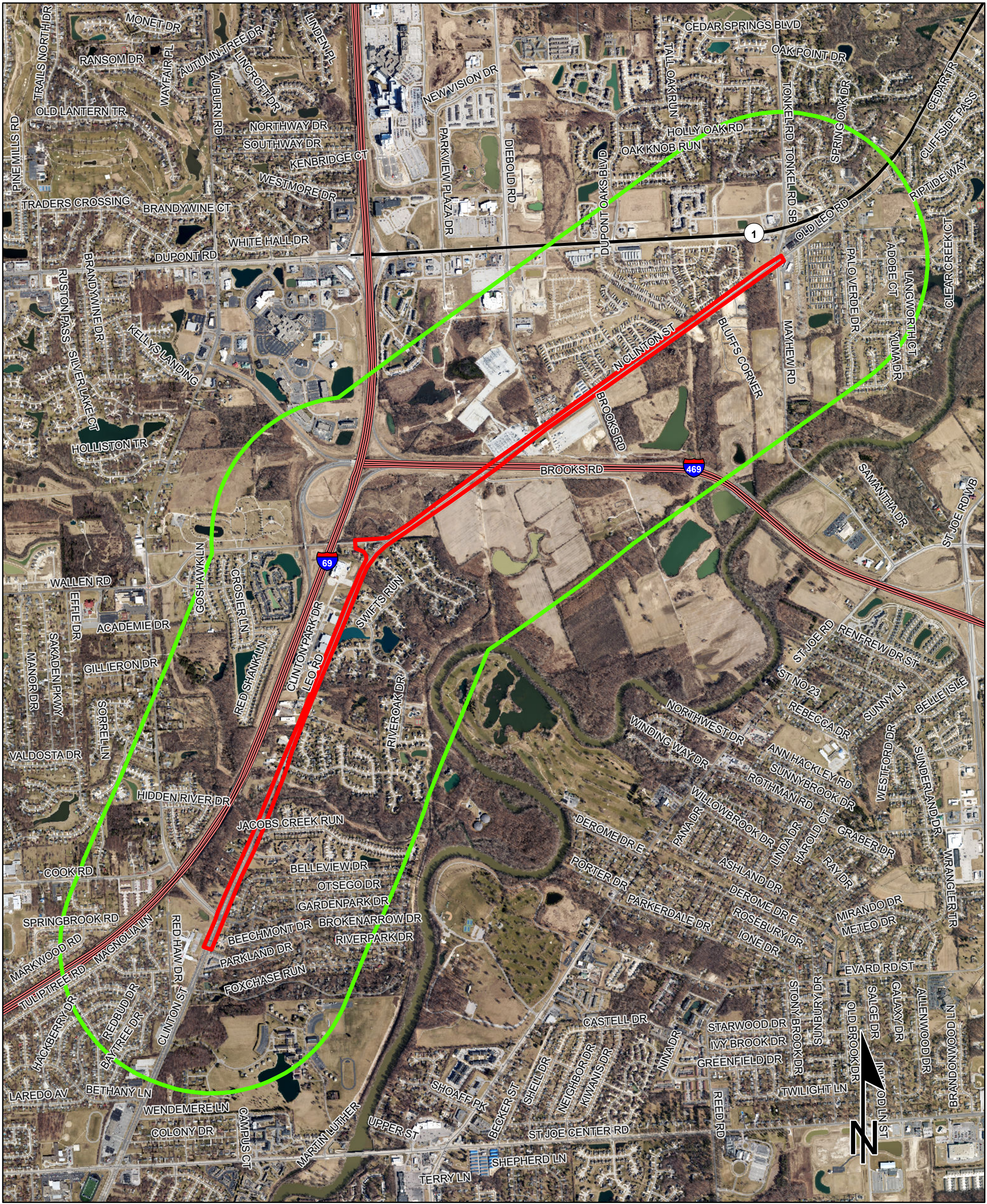


Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

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Red Flag Investigation - Mining/Mineral Exploration
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

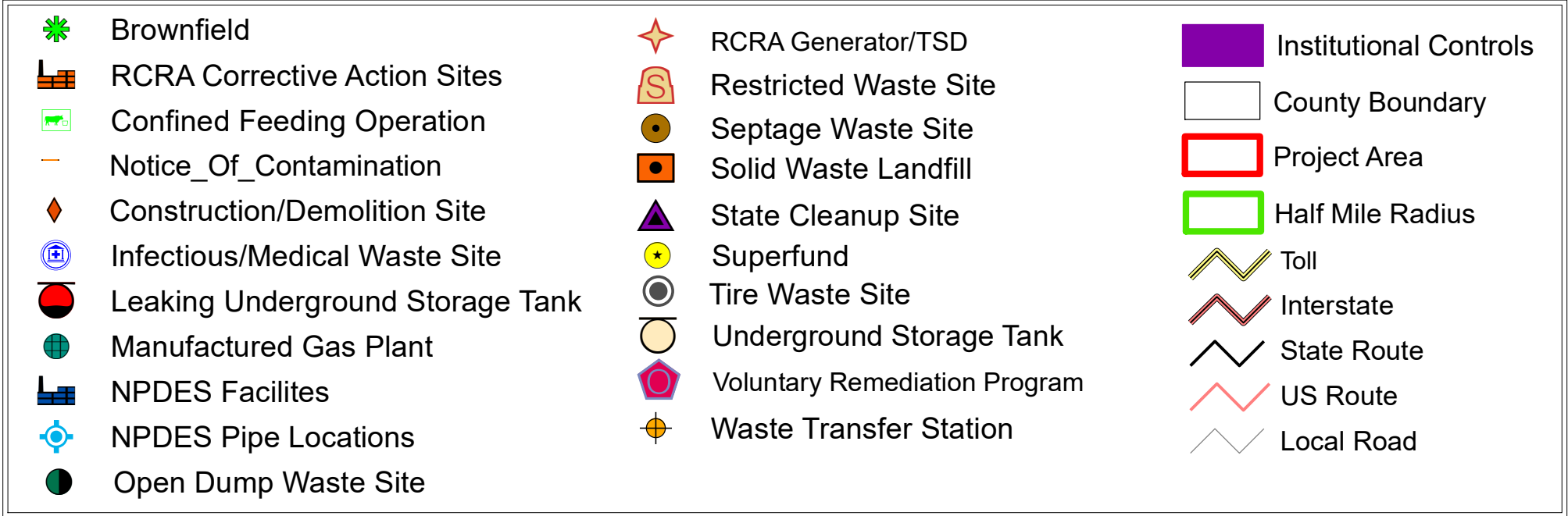
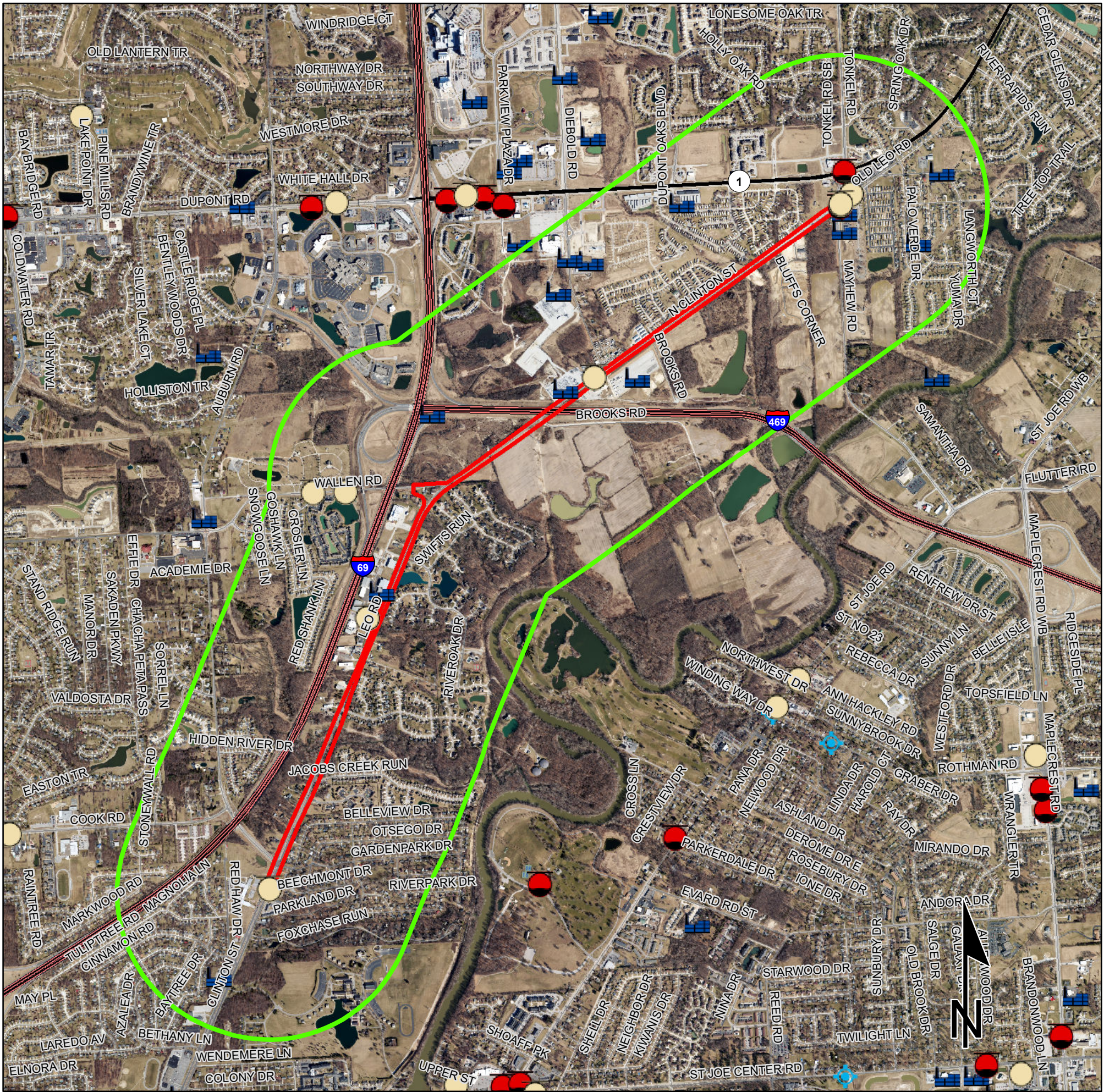


Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

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

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

Red Flag Investigation -Hazardous Locations
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

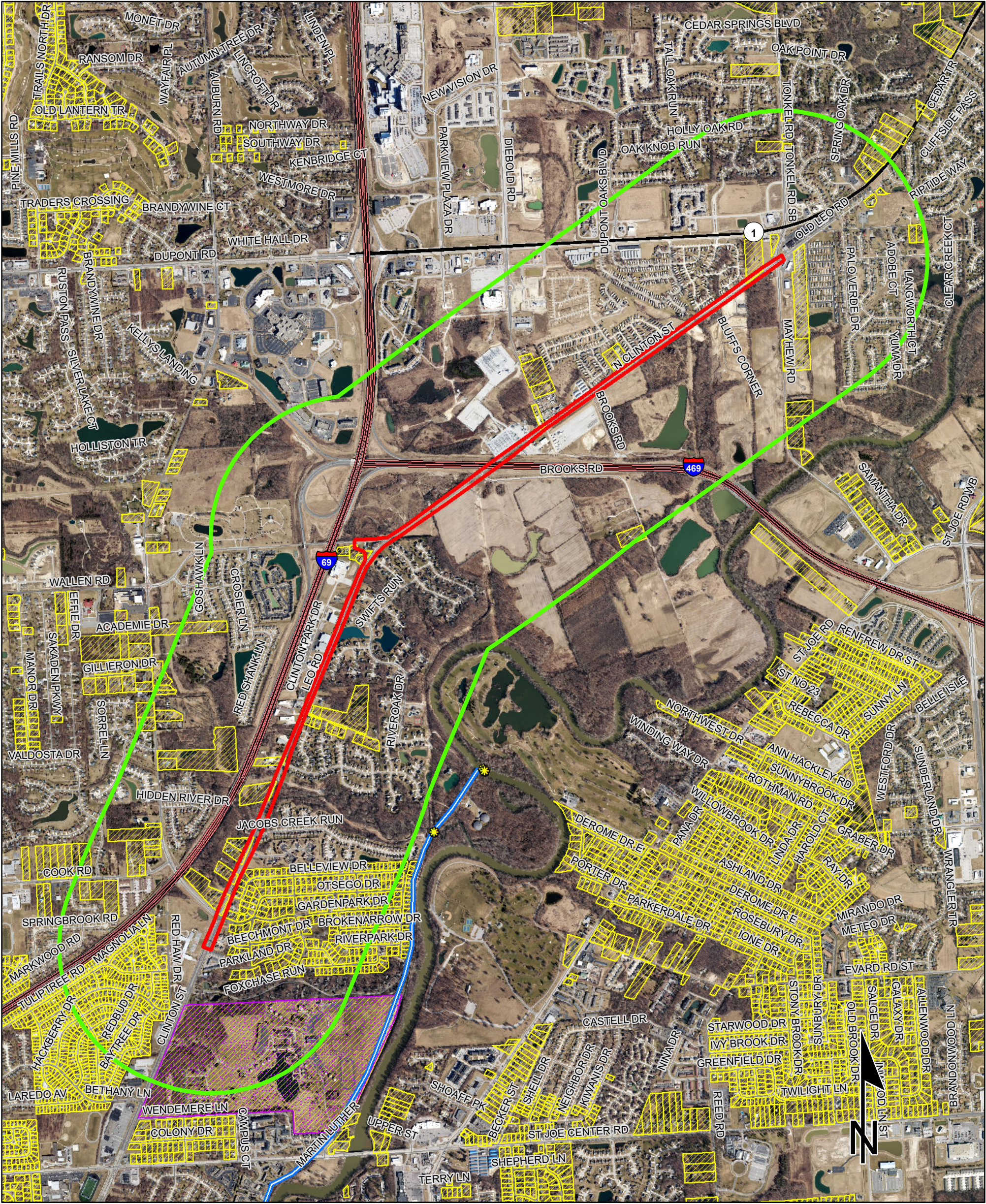


0.5 0.25 0 0.5 Miles

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, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

Red Flag Investigation- Historical Features
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana



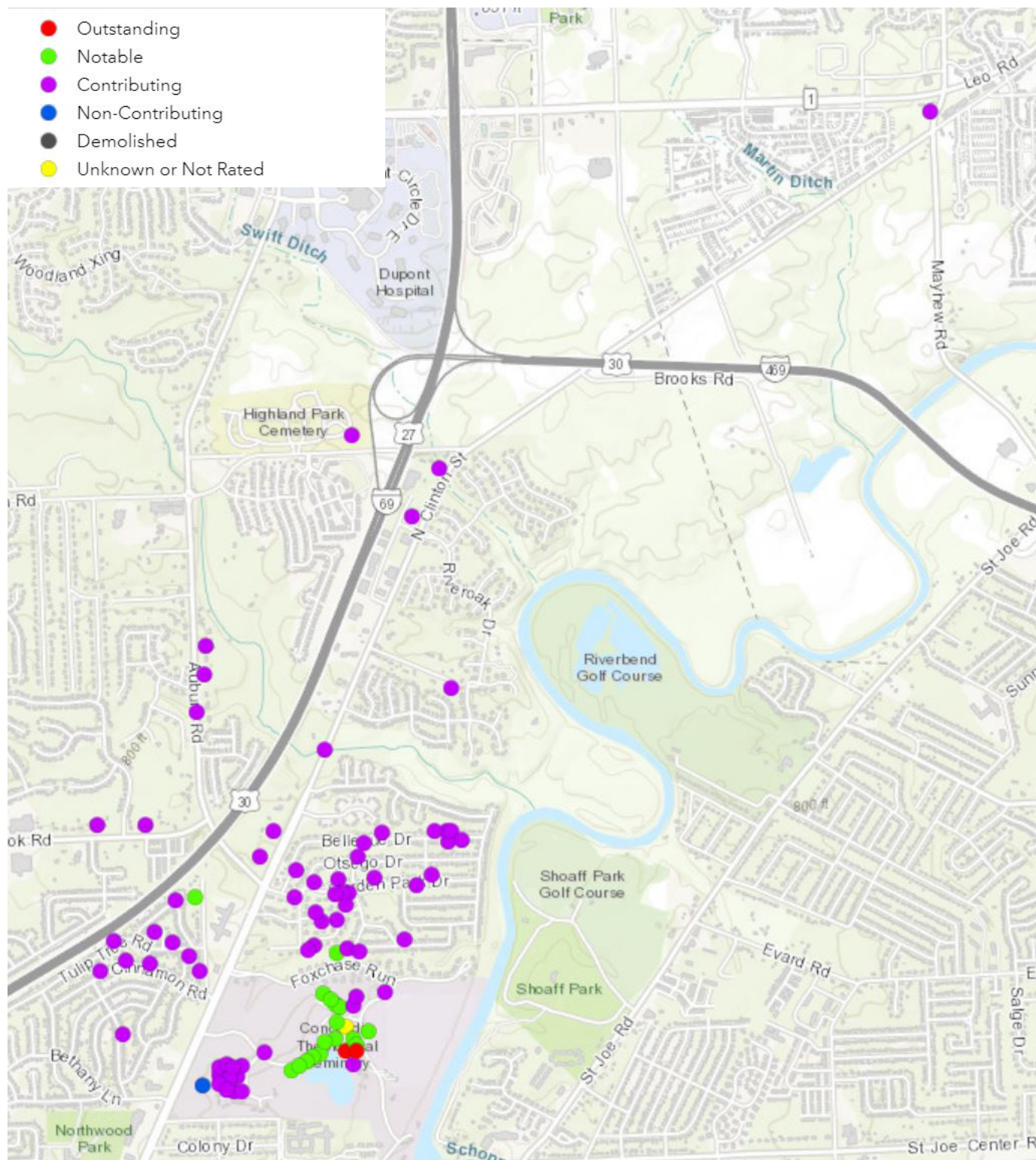
0.4 0.2 0 0.4
Miles

Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

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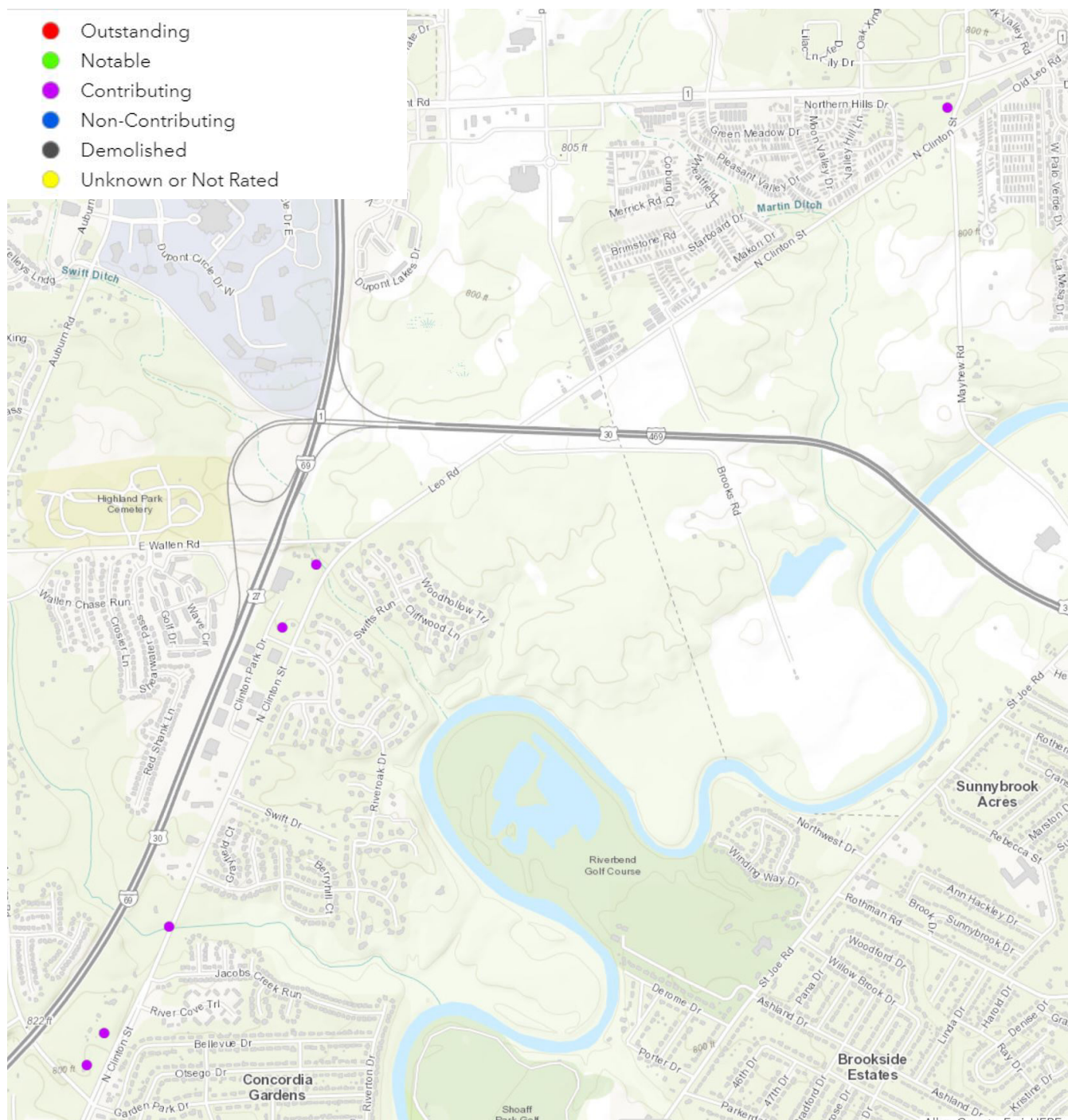
Historic Canal Structures	Historical Areas or Districts	Project Area
Historic Canal Routes	Historical Sites	Half Mile Radius
Non-Select Bridges	Potential Historical Areas or Districts	Toll
Select Bridges	Potential Historical Sites	Interstate
Historic Bridges	Post-War (1940-1973) Residential Housing	State Route
	County Boundary	US Route
		Local Road

Sites Identified within the Half Mile Radius



Sites Adjacent to Project

SHAARD_ID	HISTORICNAME	RATING	LOCATION
003-104-20127	Bridge	Contributing	approximately 8741 N Clinton St
003-104-20126	House	Contributing	10323 Mayhew Rd
003-104-20079	Bridge	Contributing	approximately 7703 N Clinton St
003-104-20543	House	Contributing	7237 N Clinton St
003-104-20544	House	Contributing	7337 N Clinton St
003-104-20255	House	Contributing	8549 N Clinton St



Indiana County Endangered, Threatened and Rare Species List

County: Allen

Species Name	Common Name	FED	STATE	GRANK	SRANK
Mollusk: Bivalvia (Mussels)					
Epioblasma obliquata perobliqua	White catspaw	LE	SE	G1T1	SX
Epioblasma rangiana	Northern Riffleshell	LE	SE	G2	S1
Lampsilis fasciola	Wavyrayed Lampmussel		SSC	G5	S3
Ligumia recta	Black Sandshell			G4G5	S2
Obovaria subrotunda	Round Hickorynut	C	SE	G4	S1
Pleurobema clava	Clubshell	LE	SE	G1G2	S1
Ptychobranhus fasciolaris	Kidneyshell		SSC	G4G5	S2
Quadrula cylindrica cylindrica	Rabbitsfoot	LT	SE	G3G4T3	S1
Toxolasma lividus	Purple Lilliput	C	SSC	G3Q	S2
Villosa fabalis	Rayed Bean	LE	SE	G2	S1
Insect: Odonata (Dragonflies & Damselflies)					
Gomphus fraternus	Midland Clubtail			G5	S2
Tachopteryx thoreyi	Gray Petaltail		WL	G4	S3
Fish					
Moxostoma valenciennesi	Greater Redhorse		SE	G4	S2
Percina evides	Gilt Darter		SE	G4	S1
Amphibian					
Acris blanchardi	Blanchard's Cricket Frog		SSC	G5	S4
Ambystoma laterale	Blue-spotted Salamander		SSC	G5	S2
Hemidactylium scutatum	Four-toed Salamander		SSC	G5	S2
Reptile					
Clemmys guttata	Spotted Turtle	C	SE	G5	S2
Clonophis kirtlandii	Kirtland's Snake		SE	G2	S2
Emydoidea blandingii	Blanding's Turtle	C	SE	G4	S2
Sistrurus catenatus	Eastern Massasauga	LT	SE	G3	S2
Bird					
Asio flammeus	Short-eared Owl		SE	G5	S2
Bartramia longicauda	Upland Sandpiper		SE	G5	S3B
Buteo platypterus	Broad-winged Hawk		SSC	G5	S3B
Certhia americana	Brown Creeper			G5	S2B
Circus hudsonius	Northern Harrier		SE	G5	S2
Cistothorus palustris	Marsh Wren		SE	G5	S3B
Falco peregrinus	Peregrine Falcon		SSC	G4	S2B
Haliaeetus leucocephalus	Bald Eagle		SSC	G5	S2
Ixobrychus exilis	Least Bittern		SE	G5	S3B
Lanius ludovicianus	Loggerhead Shrike		SE	G4	S3B
Nyctanassa violacea	Yellow-crowned Night-heron		SE	G5	S2B
Nycticorax nycticorax	Black-crowned Night-heron		SE	G5	S1B
Phalaropus tricolor	Wilson's Phalarope		SSC	G5	SHB

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: Allen

Species Name	Common Name	FED	STATE	GRANK	SRANK
<i>Setophaga cerulea</i>	Cerulean Warbler		SE	G4	S3B
<i>Setophaga citrina</i>	Hooded Warbler		SSC	G5	S3B
<i>Sturnella neglecta</i>	Western Meadowlark		SSC	G5	S2B
<i>Tyto alba</i>	Barn Owl		SE	G5	S2
Mammal					
<i>Taxidea taxus</i>	American Badger		SSC	G5	S2
Vascular Plant					
<i>Andromeda glaucophylla</i>	Bog Rosemary		ST	G5T5	S2
<i>Carex cephaloidea</i>	Thinleaf Sedge		ST	G5	S2
<i>Carex decomposita</i>	Cypress-knee Sedge		ST	G3G4	S2
<i>Carex trichocarpa</i>	Hairy-fruit Sedge		WL	G4	S3
<i>Chelone obliqua</i> var. <i>speciosa</i>	Rose Turtlehead		WL	G4T3	S3
<i>Circaea alpina</i>	Small Enchanter's Nightshade		SX	G5	SX
<i>Crataegus succulenta</i> var. <i>succulenta</i>	Fleshy Hawthorn		SR	G5T5	S3
<i>Dactylorhiza viridis</i>	Long-bract Green Orchis		SE	G5	S1
<i>Hydrastis canadensis</i>	Golden Seal		WL	G3G4	S3
<i>Panax quinquefolius</i>	American Ginseng		WL	G3G4	S3
<i>Phlox ovata</i>	Mountain Phlox		SE	G4	S1
<i>Platanthera psycodes</i>	Small Purple-fringe Orchis		SR	G5	S2
<i>Poa alsodes</i>	Grove Meadow Grass		SR	G4G5	S3
<i>Pyrola elliptica</i>	Elliptical-leaf Wintergreen		WL	G5	S3
<i>Rorippa aquatica</i>	Lake Cress		SE	G4?	S1
<i>Scutellaria parvula</i> var. <i>parvula</i>	Small Skullcap		SE	G4T4	S1
<i>Spiranthes lucida</i>	Shining Ladies'-tresses		SR	G4	S3
<i>Spiranthes magnicamporum</i>	Great Plains Ladies'-tresses		SE	G3G4	S1
<i>Symphotrichum boreale</i>	Rushlike Aster		ST	G5	S2
High Quality Natural Community					
Forest - flatwoods black swamp	Black Swamp Flatwoods		SG	GNR	S1
Forest - flatwoods central till plain	Central Till Plain Flatwoods		SG	G3	S2
Forest - floodplain mesic	Mesic Floodplain Forest		SG	G3?	S1
Forest - floodplain wet-mesic	Wet-mesic Floodplain Forest		SG	G3?	S3
Forest - upland dry Central Till Plain	Central Till Plain Dry Upland Forest		SG	GNR	S1
Forest - upland dry-mesic Central Till Plain	Central Till Plain Dry-mesic Upland Forest		SG	GNR	S2
Forest - upland mesic Central Till Plain	Central Till Plain Mesic Upland Forest		SG	GNR	S3
Lake - pond	Pond		SG	GNR	SNR
Prairie - dry-mesic	Dry-mesic Prairie		SG	G3	S2
Wetland - marsh	Marsh		SG	GU	S4

Indiana Natural Heritage Data Center	Fed:	LE = Endangered; LT = Threatened; C = candidate; PDL = proposed for delisting
Division of Nature Preserves	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
Indiana Department of Natural Resources	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
This data is not the result of comprehensive county surveys.	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: Allen

Species Name	Common Name	FED	STATE	GRANK	SRANK
Wetland - swamp forest	Forested Swamp		SG	G2?	S2
Wetland - swamp shrub	Shrub Swamp		SG	GU	S2
Other Significant Feature					
Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade	Water Fall and Cascade			GNR	SNR

Indiana Natural Heritage Data Center	Fed:	LE = Endangered; LT = Threatened; C = candidate; PDL = proposed for delisting
Division of Nature Preserves	State:	SE = state endangered; ST = state threatened; SR = state rare; SSC = state species of special concern;
Indiana Department of Natural Resources		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

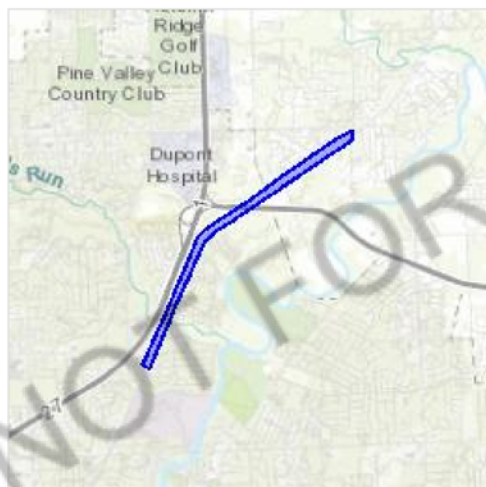
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Allen County, Indiana



Local office

Indiana Ecological Services Field Office

☎ (812) 334-4261

📠 (812) 334-4273

620 South Walker Street
Bloomington, IN 47403-2121

<http://www.fws.gov/midwest/Endangered/section7/s7process/step1.html>

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME

STATUS

Indiana Bat *Myotis sodalis***Endangered**

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/5949>

Northern Long-eared Bat *Myotis septentrionalis***Threatened**

This species only needs to be considered if the following condition applies:

- Incidental take of the NLEB is not prohibited here. Federal agencies may consult using the 4(d) rule streamlined process. Transportation projects may consult using the programmatic process. See www.fws.gov/midwest/endangered/mammals/nleb/index.html

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/9045>

Clams

NAME

STATUS

Rayed Bean *Villosa fabalis***Endangered**

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/5862>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

American Bittern *Botaurus lentiginosus*

Breeds Apr 1 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/6582>

Bald Eagle *Haliaeetus leucocephalus*

Breeds Oct 15 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Breeds May 15 to Oct 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9399>

Cerulean Warbler *Dendroica cerulea*

Breeds Apr 21 to Jul 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/2974>

Kentucky Warbler *Oporornis formosus*

Breeds Apr 20 to Aug 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Lesser Yellowlegs *Tringa flavipes*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9679>

Prothonotary Warbler *Protonotaria citrea*

Breeds Apr 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Red-headed Woodpecker *Melanerpes erythrocephalus*

Breeds May 10 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Wood Thrush *Hylocichla mustelina*

Breeds May 10 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

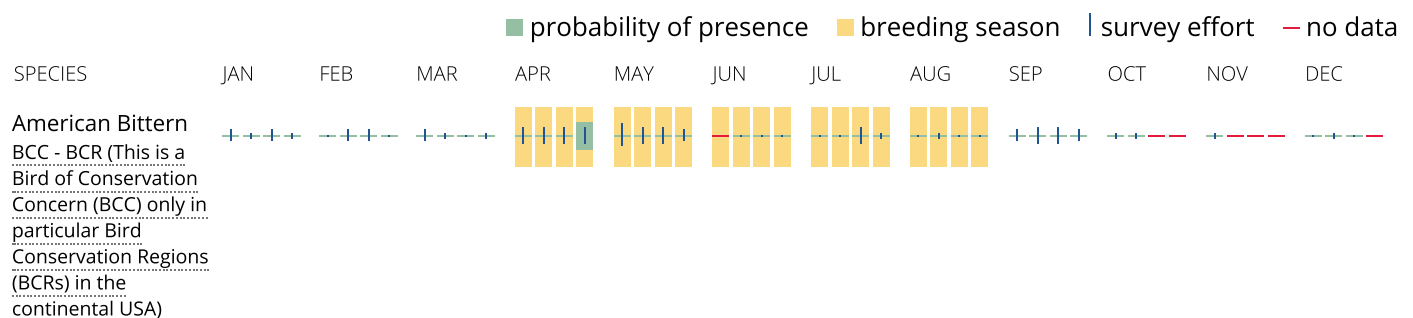
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

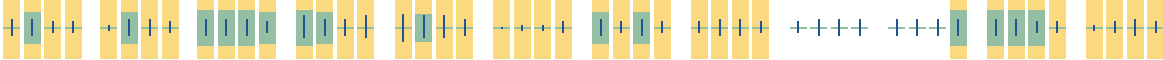
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

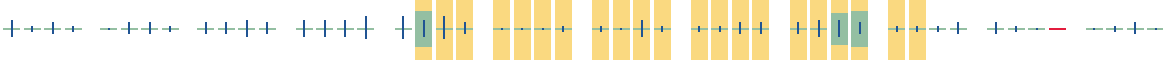
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Bald Eagle
Non-BCC Vulnerable
(This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)



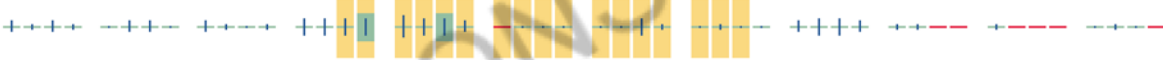
Black-billed Cuckoo
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Cerulean Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Kentucky Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



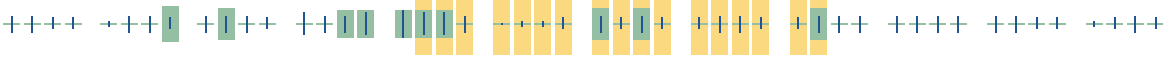
Lesser Yellowlegs
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Prothonotary Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Red-headed Woodpecker
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Wood Thrush
BCC Rangewide
(CON) (This is a Bird
of Conservation
Concern (BCC)
throughout its range
in the continental
USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

[PFO1C](#)

[PFO1/SS1C](#)

FRESHWATER POND

[PUBGx](#)

RIVERINE

[R4SBC](#)

[R5UBH](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

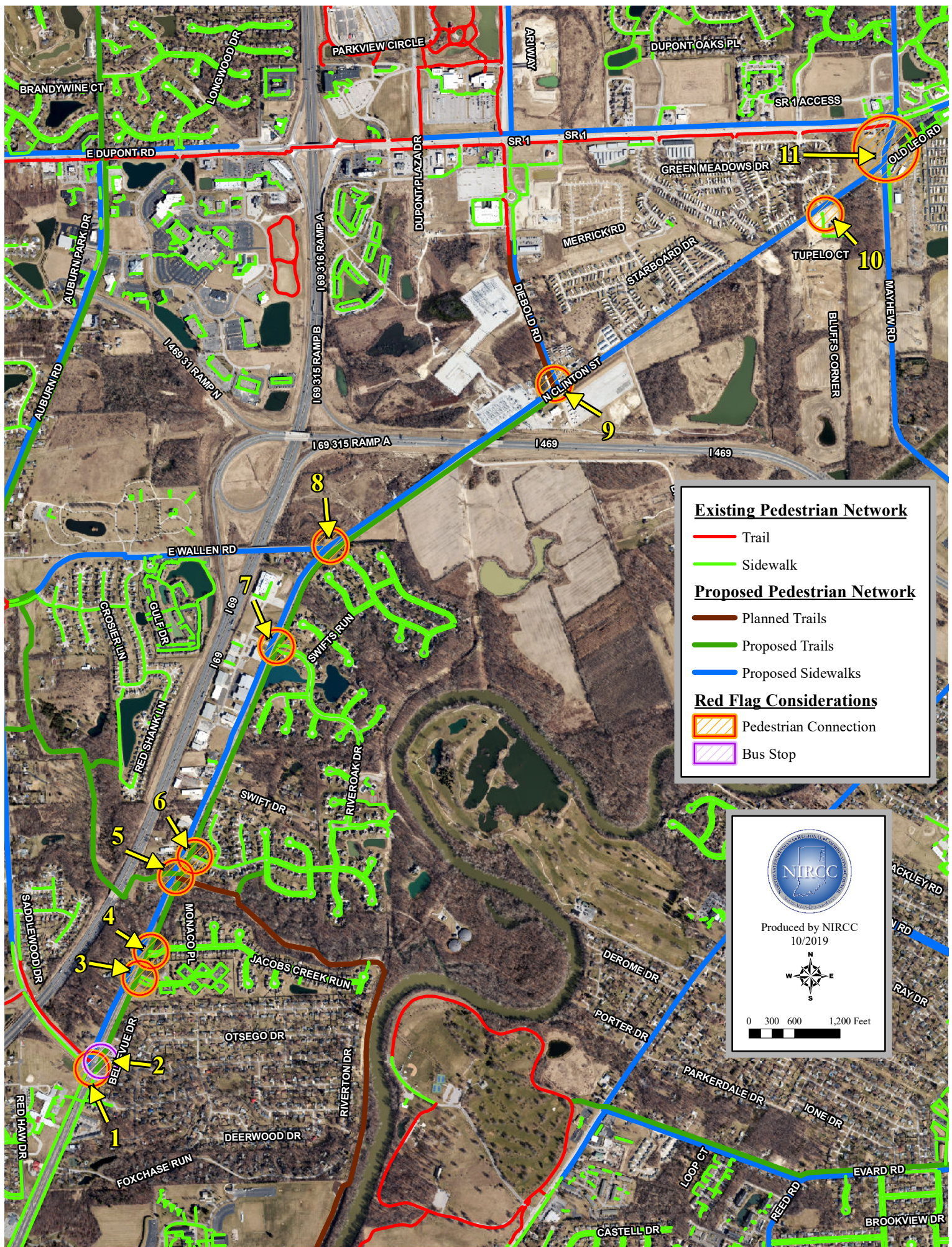
Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



Red Flag Investigation - Utility Contact List
Clinton Street
Road Widening
City of Fort Wayne, Allen County, Indiana

10/21/2019	Clinton Street	500' buffer	
Service Area	Contact	Phone	Address
AMERICAN ELECTRIC POWER	J. Jay Marlow	(260) 408 - 3447	,
AMERICAN ELECTRIC POWER TELECOM	David Lawrence	(614) 883 - 7836	850 Tech Center Dr. Gahanna, OH 43215 dalawrence@aep.com
COMCAST CABLE (FORT WAYNE)	John Gayday	(260) 458 - 5107	720 Taylor St. Ft. Wayne, IN 46802 John_Gayday@cable.comcast.com
FORT WAYNE, CITY OF	Matt Gray	(260) 427 - 1136	1 E MAIN STREET Fort Wayne, IN 46802-1804
FRONTIER			
IN FIBER NETWORK DBA INTELLIGENT FIBER NETWORK	Shawn Wright	(317) 777 - 7119	5520 W. 76th St. Indianapolis, IN 46268 swright@intelligentfiber.com
	Keith Hamm	(317) 777 - 7583	5520 W. 76th St. Indianapolis, IN 46268 khamm@intelligentfiber.com
LEVEL 3 NOW CENTURYLINK	Level 3 Communications Network Relocation	(877) 366 - 8344 x 2	,
MEDIACOM, LLC (AUBURN)	Gary Gudeman		215 W. Walnut St. Watseka, IL 61523
NIPSCO GAS (ANGOLA)	Dave Schaafsma		,
NIPSCO GAS (FORT WAYNE)	Dave Schaafsma		,
ZAYO BANDWIDTH	John Senese	(317) 524 - 5711	625 East 11th Street Indianapolis, IN 46202 jsenese@zayo.com