



Northeastern Indiana Regional Coordinating Council

200 East Berry Street
Suite 230
Fort Wayne, Indiana 46802
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Daniel S. Avery,
Executive Director

Date: May 29, 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
DES #1901705, Local Project
Added Travel Lanes
Hillegas Road from State Blvd to Coliseum Blvd
Fort Wayne, Allen County, Indiana

PROJECT DESCRIPTION

Brief Description of Project:

This project is on Hillegas Road, with the beginning of the RFI at California Road to (south of) Leesburg Road. The construction of this project will be from Coliseum Boulevard to State Boulevard. The project will add travel lanes that include curb and gutter on both sides with an underground storm sewer system to address drainage on the roadway. The roadway will consist of four (4) eleven (11) foot travel lanes, with left turn lanes at intersections as needed. A ten (10) foot trail on the east side and a five (5) foot sidewalk on the west side of the roadway is proposed. There will be a six (6) foot grass buffer between trail/sidewalk and curb line. In addition to the trails and sidewalks, curb ramps will be installed at all intersections.

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

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

*There is a small culvert at the Sargent Drain. It may need to be replaced, this will be determined during preliminary engineering. There is no Structure # for this culvert as it is likely smaller than 48".

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

Right of way will be needed, most likely both temporary and permanent. It is anticipated that right of way will be 100 feet, but exact amounts is not known at this time.

Type of excavation: To be determined during engineering design.

Maintenance of traffic: Yes, there will be maintenance of traffic, multi-phased.

Work in waterway: Yes No Above ordinary high water mark: Yes No Roadway - Yes

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	1 ⁽¹⁾	Pipelines	N/A
Airports ¹	0	Railroads Active	1
Cemeteries	N/A	Railroads Abandoned	N/A
Hospitals	N/A	Managed Lands	N/A
Schools	N/A	Trails Existing	N/A
Recreational Facilities	2 ⁽¹⁾	Trails Proposed/Planned	3 ⁽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: One (1) religious facility is located within the 0.5 mile radius. This religious facility is within or adjacent to the project area. Three Rivers Wesleyan Church located at 2825 Hillegas Rd is adjacent to the project area. Traffic will be maintained throughout construction using lane closures, allowing for continued access. No impact is expected; however, coordination with Three Rivers Wesleyan Church will need to occur.

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.

Recreational Facilities: Two (2) recreational facilities are located within the 0.5 mile radius. One (1) of the facilities may be within or adjacent to the project area. The golf course portion of the Fort Wayne Elks Lodge 155 located at Coyote Creek Golf Course, 4935 Hillegas Rd, may be adjacent to or within the project area on the north end of the project. The approximate project area is only adjacent to a small portion of the golf course. If the “approximate” project area does not go north of California Rd the golf course property will no longer be adjacent to or within the project area. With the proximity to the Fort Wayne Elks lodge, traffic will be maintained throughout construction using lane closures and/or detours, allowing for continued access. No impact is expected; however, coordination with the Fort Wayne Elks Lodge 155 will occur.

Railroads Active: One (1) active railroad is located within the 0.5 mile search radius. The nearest segment is located approximately 0.3 miles south of the southern portion of the project area. No impact is expected.

Trails Proposed/Planned: Three (3) potential trails are located within the 0.5 mile search radius. All three (3) potential trails are located adjacent to or within the project area.

- One (1) of the trail segments is planned to be included with this project, therefore there is no impact.
- One (1) trail segment along Spring St east of Hillegas Rd is only proposed and is not planned to be constructed in the near future, therefore there is no impact.
- One (1) planned trail segment is located along Bass Rd west of Hillegas Rd. This trail project is part of the Bass Rd reconstruction and widening project and will be built in the near future. This trail segment will be affected by the project. Coordination with the Allen County Highway Department will 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	1	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	58⁽²⁾
Canal Structures – Historic	N/A	Lakes	10
NPS NRI Listed	N/A	Floodplain - DFIRM	22⁽²⁾
NWI-Lines	5⁽¹⁾	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	5⁽³⁾	Sinkhole Areas	N/A
Rivers and Streams	28⁽⁶⁾	Sinking-Stream Basins	N/A

Explanation:

NWI-Points: One (1) NWI-Point is located within the 0.5 mile search radius. It is located approximately 0.30 miles south of the project area. No impact is expected.

NWI-Lines: Five (5) NWI-Lines are located within the 0.5 mile search radius. One (1) NWI-Line intersects the project approximately 0.08 miles north of Clearview Dr. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

IDEM 303d Listed Streams and Lakes (Impaired): Five (5) impaired streams are located within the 0.5 mile search radius. Three (3) impaired streams intersect the project. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

- ND #6, an unnamed tributary of Spy Run Creek, intersects the project approximately 0.04 miles north of Coliseum Blvd.
- Prange Drain, a tributary of Spy Run Creek, intersects the project approximately 0.08 miles north of Clearview Dr.
- Lowther - Newhaus Drain, a tributary of Spy Run Creek, intersects the project approximately 0.05 miles south of Leesburg Rd.

Rivers and Streams: Twenty-eight (28) Rivers/Streams are located within the 0.5 mile search radius. Six (6) 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.

- ND #6, an unnamed tributary of Spy Run Creek, intersects the project approximately 0.04 miles north of Coliseum Blvd.
- Prange Drain, a tributary of Spy Run Creek, intersects the project approximately 0.08 miles north of Clearview Dr.
- Sargent Drain intersects the project area approximately 0.18 miles north of State Blvd.
- Leesmoor Drain intersects the project area just south of Leesburg Rd.
- Lowther - Newhaus Drain, a tributary of Spy Run Creek, intersects the project approximately 0.05 miles south of Leesburg Rd.
- Dodez Tile intersects the project area on the south side of Bass Rd at Hillegas Rd.

NWI – Wetlands: Fifty-eight (58) wetlands are located within the 0.5 mile search radius. Two (2) wetlands are located adjacent to the project area. One is located at the north end of the project on the northwest corner of the California Rd and Hillegas Rd intersection. The other is located approximately 540' north of Superior Ridge Dr on the east side of Hillegas Rd. It is a newly constructed drainage basin that could be a potential wetland. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

Lakes: Ten (10) lakes are located within the 0.5 mile search radius. The closest lake is located approximately 0.18 miles east of the project area. No impact is expected.

Floodplain – DFIRM: Twenty-two (22) floodplain polygons are located within the 0.5 mile search radius. Two (2) are located adjacent to or within the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

- One is associated with ND #6, an unnamed tributary of Spy Run Creek, which intersects the project approximately 0.04 miles north of Coliseum Blvd.
- One is associated with Prange Drain, a tributary of Spy Run Creek, which intersects the project approximately 0.08 miles north of Clearview Dr.

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:			
Petroleum Wells	N/A	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

No items were found within the 0.5 mile search radius. No impacted is expected.

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns			
Indicate the number of items of concern found within the 0.5 mile search radius. 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	2 ⁽¹⁾	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	10 ⁽⁴⁾	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	2	Brownfields	1
Construction Demolition Waste	N/A	Institutional Controls	N/A
Solid Waste Landfill	N/A	NPDES Facilities	8 ⁽³⁾
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	6 ⁽¹⁾	Notice of Contamination Sites	N/A

Explanation:

RCRA Generator/ TSD Sites: Two (2) RCRA Generator/ TSDs are located within the 0.5 mile search radius. One (1) RCRA Generator/ TSD is located adjacent to the project area. Fort Wayne Public Television Incorporated located at 3632 Butler Rd has property adjacent to the project. It has an Agency Interest ID 109. According to the Virtual File Cabinet the location has no violations and is in compliance. Also listed, according to IDEM, this facility is no longer in need of the RCRA ID IND985049741 and has been coded as an inactive number. After further investigation of the surrounding sites and the adjacent site, no impact is expected.

Underground Storage Tank (UST) Sites: Ten (10) USTs are located within the 0.5 mile search radius. Four (4) USTs are located adjacent to the project area.

- Two (2) of the USTs are located at the Elks Lodge 155 BPOE / Coyote Creek Golf Course located at 4935 Hillegass Rd. The Agency Interest ID for both USTs is 2114. According to the Virtual File Cabinet there was only one UST at the location rather than two and the tank was removed and received an Underground Storage Tank Closure Notification Form in 1992. Also, the approximate project limits only touch the southern end of this property which is only a golf course. The equipment and facilities are not adjacent to the approximate project area. No impact is expected.
- One (1) of the USTs is located at Federal Express Corporation at 3620 Independence Dr. The Agency Interest ID is 14940. According to the Virtual File Cabinet in 2016 the UST was found to be in compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9. No impact is expected.
- One (1) of the USTs is located at Phil's #11 at 3005 Hillegas Rd. There was no Agency Interest ID. The Regulatory ID is 25296. According to the Virtual File Cabinet in February 2019 the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.

Voluntary Remediation Program: Two (2) Voluntary Remediation Program sites are located within the 0.5 mile search radius. The closest site is located approximately 0.21 miles east of the project area. After further investigation, no impact is expected.

Leaking Underground Storage (LUST) Sites: Six (6) LUST sites are located within the 0.5 mile search radius. One (1) LUST is located adjacent to the project area. The Fort Wayne Baptist Temple was once located at 3200 Hillegas Rd but no longer exists. The LUST was removed in 1996. Approximately 45 cubic yards of contaminated soils were removed from the site. A successful remediation was performed and completed in 1997 and soils were deemed safe. After further investigation of the surrounding sites and the adjacent site, no impact is expected.

Brownfields: One (1) Brownfield site is located within the 0.5 mile search radius. The closest site is located approximately 0.43 miles east of the project area. After further investigation, no impact is expected.

NPDES Facilities: Eight (8) NPDES Facilities are located within the 0.5 mile search radius. Three (3) NPDES Facilities are located adjacent to the project area.

- The "Hillegas Road Over I-69 - Bridge Rehabilitation", permit number INR10N917 is located at the north end of the project. The permit was issued on 5/20/2017 and expires 5/19/2022 (is "In Effect").
- The property associated with NPDES Facility name "Hull Lift Truck", at 3780 Hillegas Rd, permit number INR10P183 is located adjacent to the north end of the project. The permit was issued on 6/30/2017 and expires 6/29/2022 (has been "Terminated").
- The property associated with NPDES Facility name "New Building and Site for Evapar", at 3810 Hillegas Rd, permit number INR10H477 is located adjacent to the north end of the project. The permit was issued on 10/25/2013 and expired on 10/24/2018 (has been "terminated").

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	48 ⁽⁴⁾	Potential Historic Sites or Districts	N/A
Post-War Era (1940-1973) Residential Housing Sites	314 ⁽³²⁾		

Explanation:

Properties identified in the SHAARD database (State Historic Architectural and Archaeological Research Database): Forty-eight (48) properties or sites are located within the 0.5 mile search radius. Four (4) sites are located adjacent to the project area. All four sites have a County Survey rating as “Contributing”. No impacted is expected.

- House, ID 003-215-18439, Contributing.
- House, ID 003-215-18440, Contributing.
- House, ID 003-215-18434, Contributing.
- House, ID 003-215-18424, Contributing.

Post-War Era (1940-1973) Residential Housing Sites: Three Hundred Fourteen (314) Parcels that have residential housing built between 1940 and 1973 are located within the 0.5 mile search radius. Thirty-Two (32) 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. After conducting a windshield survey it was observed that many of the homes in this area have common characteristics from the Post-War Era. Coordination with INDOT Cultural Resources Office will need to occur.

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.

Please refer to the Attached Information from the Planning and Consultation (IPaC) report in the Graphics section. This IPaC report was generated as an additional resource pertaining to species and critical habitat under the US Fish and Wildlife Service’s jurisdiction that are known or expected to be on or near the project area.

PEDESTRIAN AND BUS STOP INFRASTRUCTURE

- 1) Connect to the existing sidewalk located along the west side of Hillegas Rd.
- 2) Connect to the existing sidewalk located along the west side of Hillegas Rd.
- 3) Coordinate with the Allen County Highway Department and the Bass Rd project to ensure proper connections with the trail being built on the north side of Bass Rd.

UTILITIES

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

RECOMMENDATIONS SECTION

INFRASTRUCTURE: The Red Flag Investigation has identified seven (7) Infrastructure items within the half mile radius. Of the seven (7) items only five (5) may be affected by the project.

- One (1) *Religious Facilities* (Three Rivers Wesleyan Church). Coordination with the Religious Facility is needed.
- Though not adjacent, the public *Airport*, Smith Field Airport is located within 3.8 miles (20,000 feet) of the project area. Early coordination is needed with INDOT Aviation.
- There is one (1) *Recreational Facility* that is potentially adjacent to the project. No impact is expected, however coordination with the Fort Wayne Elks Lodge is needed.
- Three (3) *Planned/Proposed Trails* are adjacent to the project. Coordination with the Allen County Highway Department, Fort Wayne Greenways, and the Northeastern Indiana Regional Coordinating Council will be needed.

WATER RESOURCES: The Red Flag Investigation has identified one hundred twenty-nine (129) Water Resources within the half mile radius. Of the one hundred twenty-nine (129) items only fourteen (14) may be affected by the project.

- One (1) *NWI-Line* intersects the project approximately 0.08 miles north of Clearview Dr. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.
- Three (3) *IDEM 303d Listed Streams and Lakes (Impaired)* intersect the project. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.
- Six (6) *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.
- Two (2) *NWI – Wetlands* are located adjacent to the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.
- Two (2) *Floodplain – DFIRM* are located adjacent to or within the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

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 MATERIALS: The Red Flag Investigation has identified twenty-nine (29) Hazardous Materials within the half mile radius. Of the twenty-nine (29) items only nine (9) may be affected by the project.

- One (1) *RCRA Generator/ TSD* is located adjacent to the project area. Fort Wayne Public Television Incorporated located at 3632 Butler Rd has property adjacent to the project. No impact is expected.
- Four (4) *USTs* are located adjacent to the project area. No impact is expected.
- One (1) *LUST* is located adjacent to the project area. The Fort Wayne Baptist Temple was once located at 3200 Hillegas Rd but no longer exists. No impact is expected.
- Three (3) *NPDES Facilities* are located adjacent to the project area. The “Hillegas Road Over I-69 - Bridge Rehabilitation”. The permit was issued on 5/20/2017 and expires 5/19/2022 (is “In Effect”). The other two permits have been “terminated”.

HISTORIC SITES AND AREAS: The Red Flag Investigation has identified three hundred sixty-two (362) Historical Sites and Areas within the half mile radius. Of the three hundred sixty-two (362) items only thirty-six (36) may be affected by the project.

- Four (4) *Properties identified in the SHAARD database* are located adjacent to the project area. All four sites have a County Survey Sites rating as “Contributing”. No impacted is expected.
- There are thirty-two (32) Post-War Era (1940-1973) Residential Housing Sites adjacent to the project area that 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.

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: Three (3) locations have been identified that require new infrastructure. Coordination with Allen County Highway Department and Northeastern Indiana Regional Coordinating Council is needed with the connection to Bass Road. 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 engineering phase to determine impact project will have on the location of all utilities.

Prepared by:

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Principal Transportation Planner
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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: YES

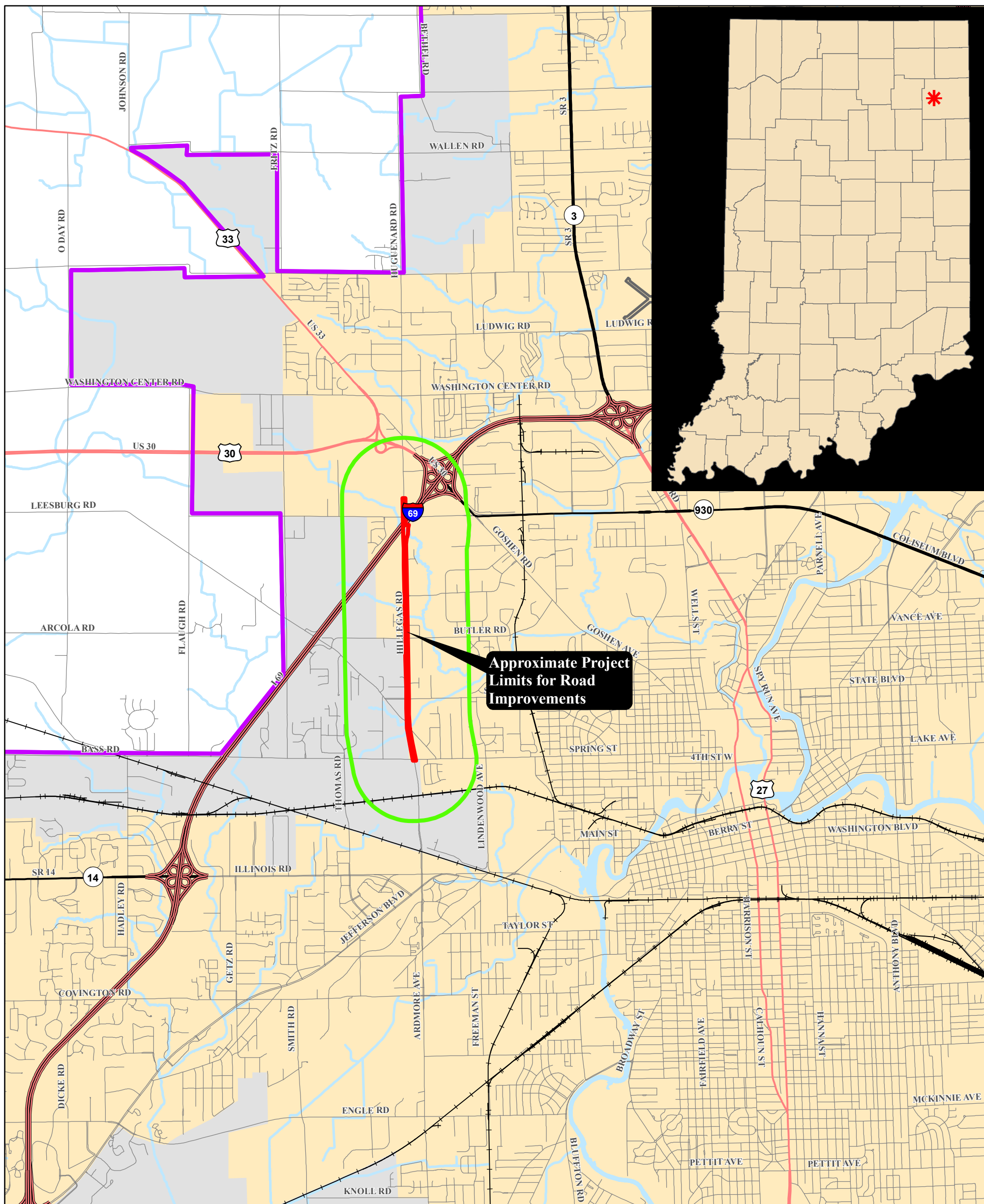
PEDESTRIAN INFRASTRUCTURE: YES

UTILITY CONTACT LIST: YES

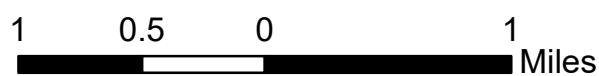
Red Flag Investigation - Project Location

Hillegas Road Road Widening

City of Fort Wayne, Allen County, Indiana

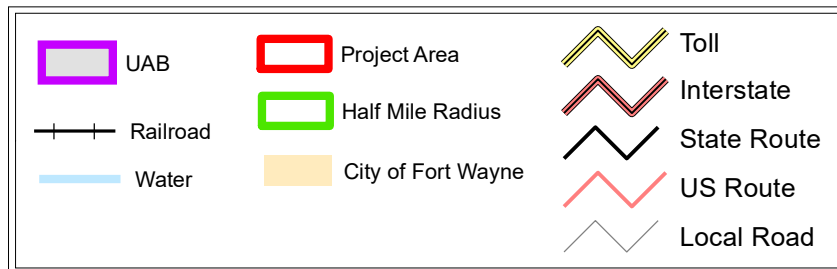


Approximate Project Limits for Road Improvements

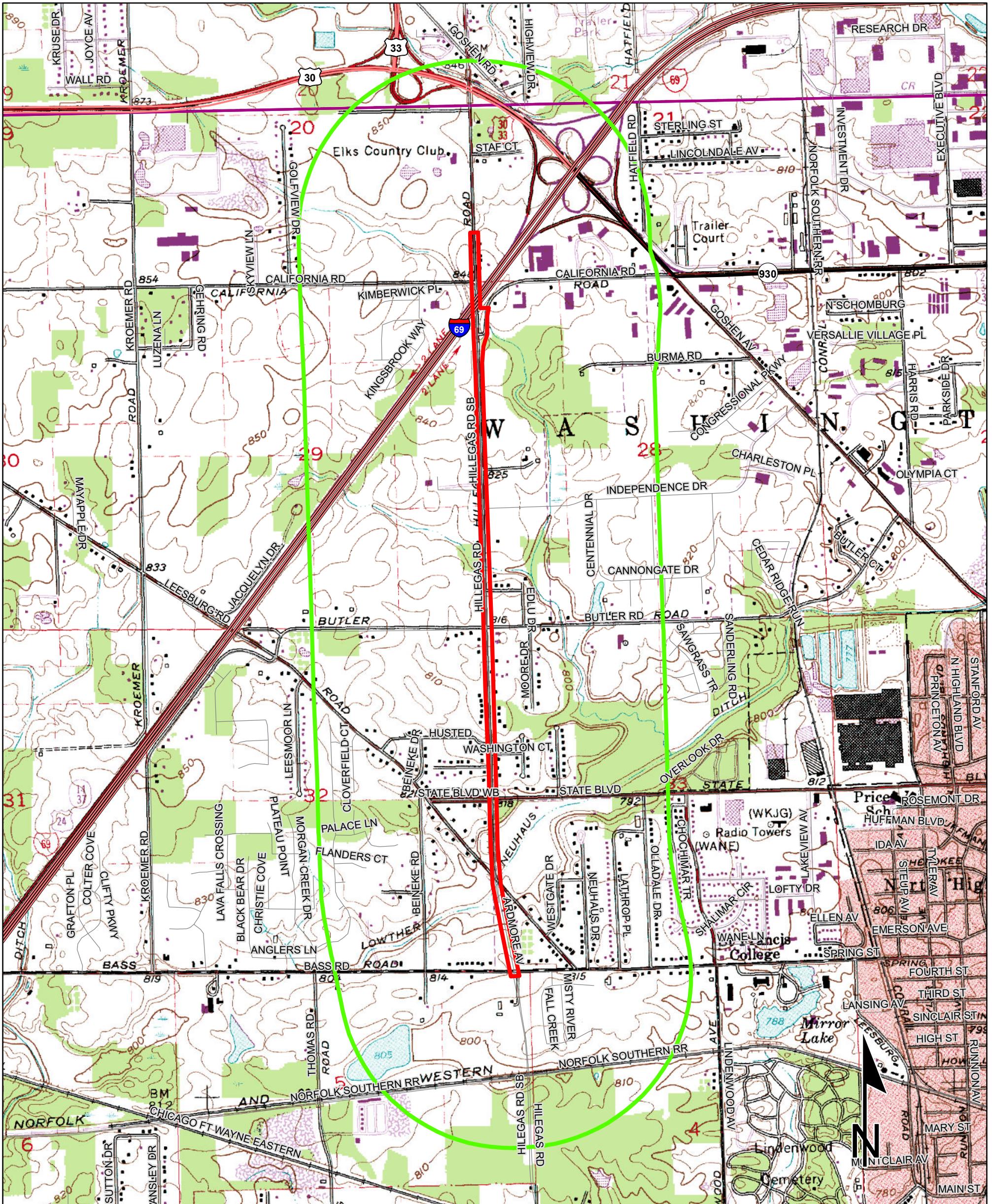


Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council

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
Hillegas Road
Road Widening
City of Fort Wayne, Allen County, Indiana



0.35 0.175 0 0.35 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

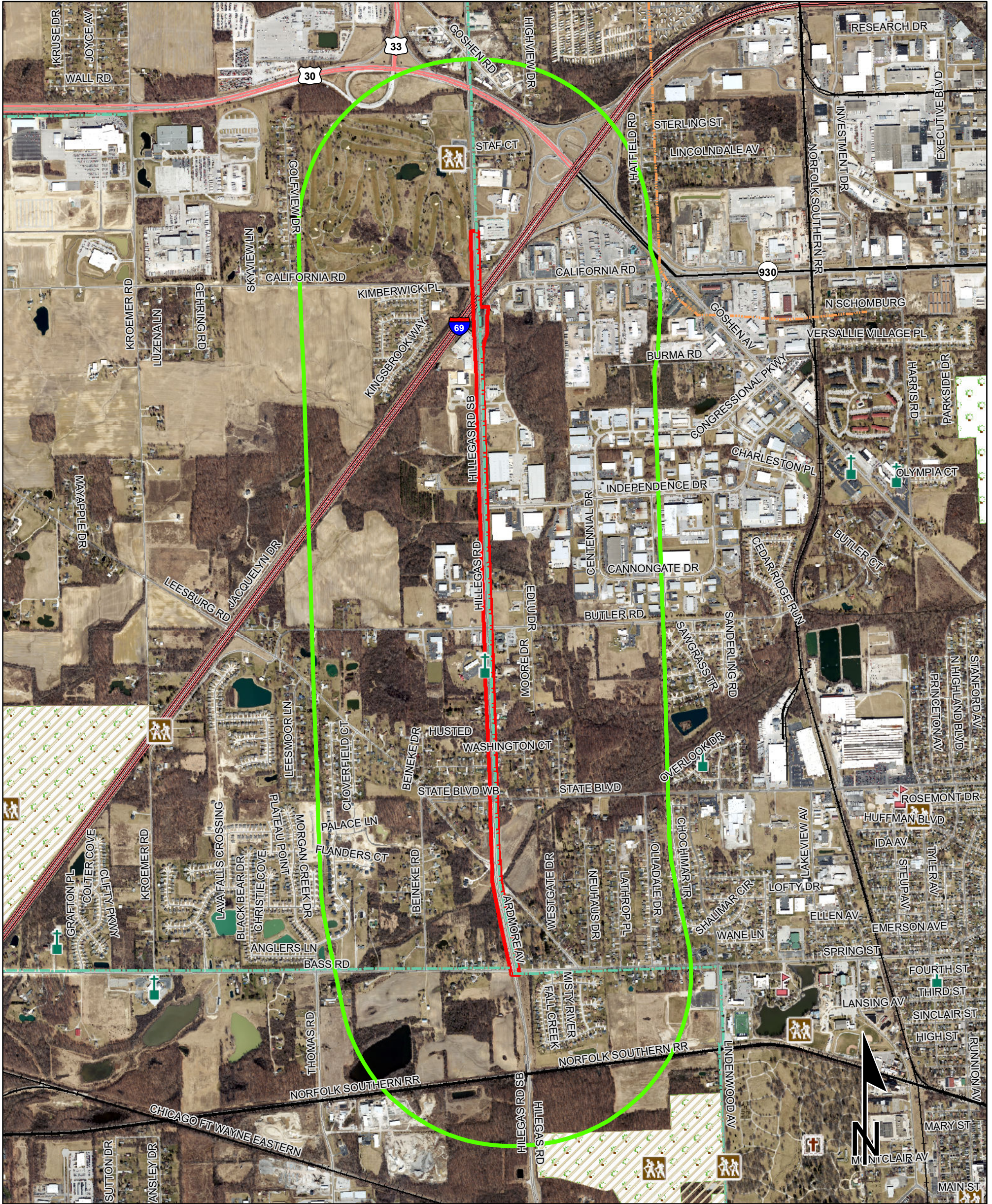
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FORT WAYNE WEST
QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)

Red Flag Investigation - Infrastructure

Hillegas Road Road Widening

City of Fort Wayne, Allen County, Indiana



0.35 0.175 0 0.35 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

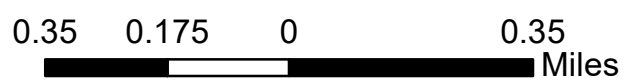
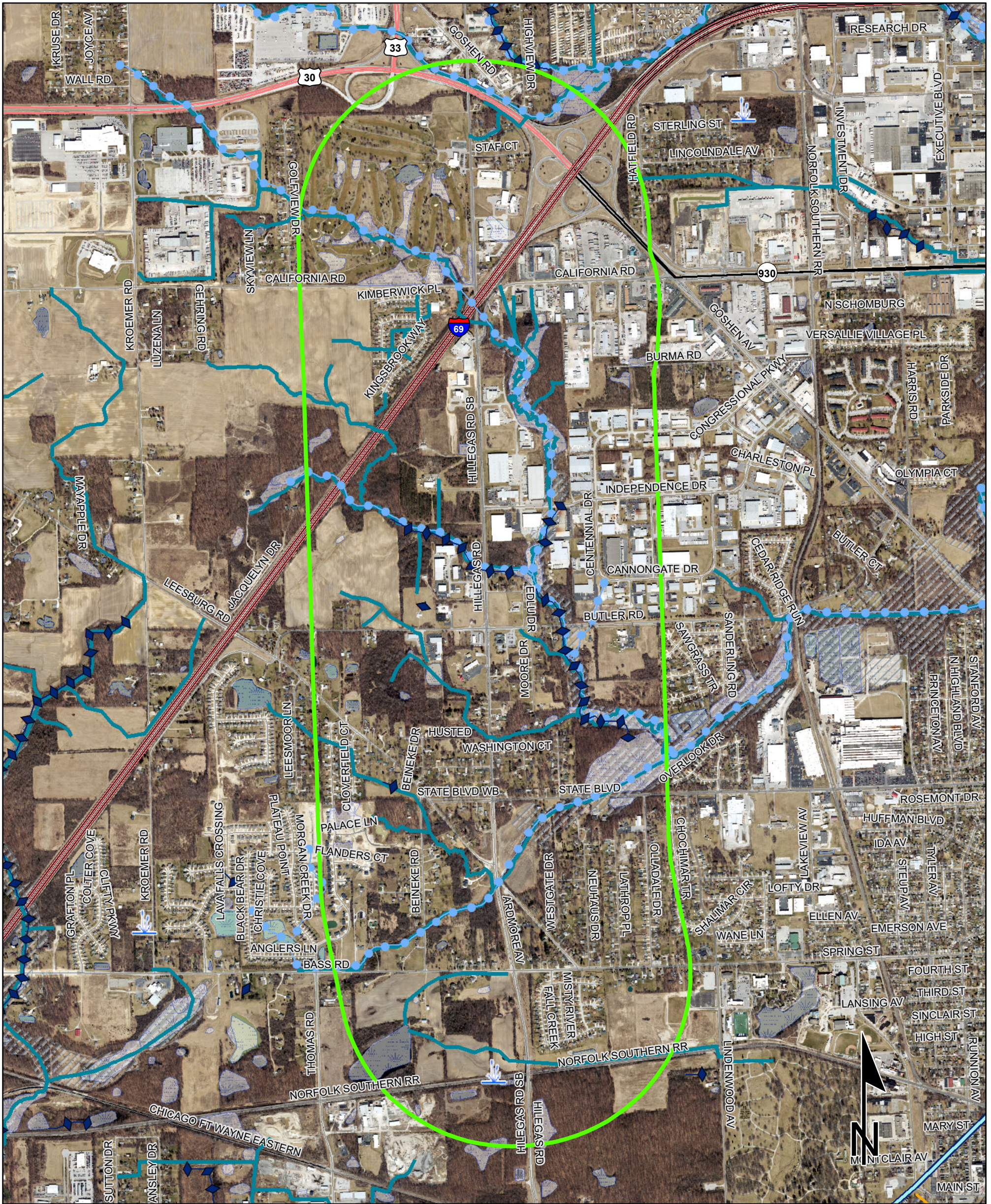
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	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

Red Flag Investigation - Water Resources

Hillegas Road 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
Orthophotography - (2018) Obtained from Allen County iMap

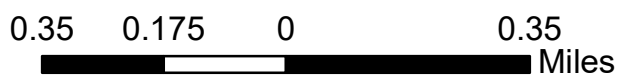
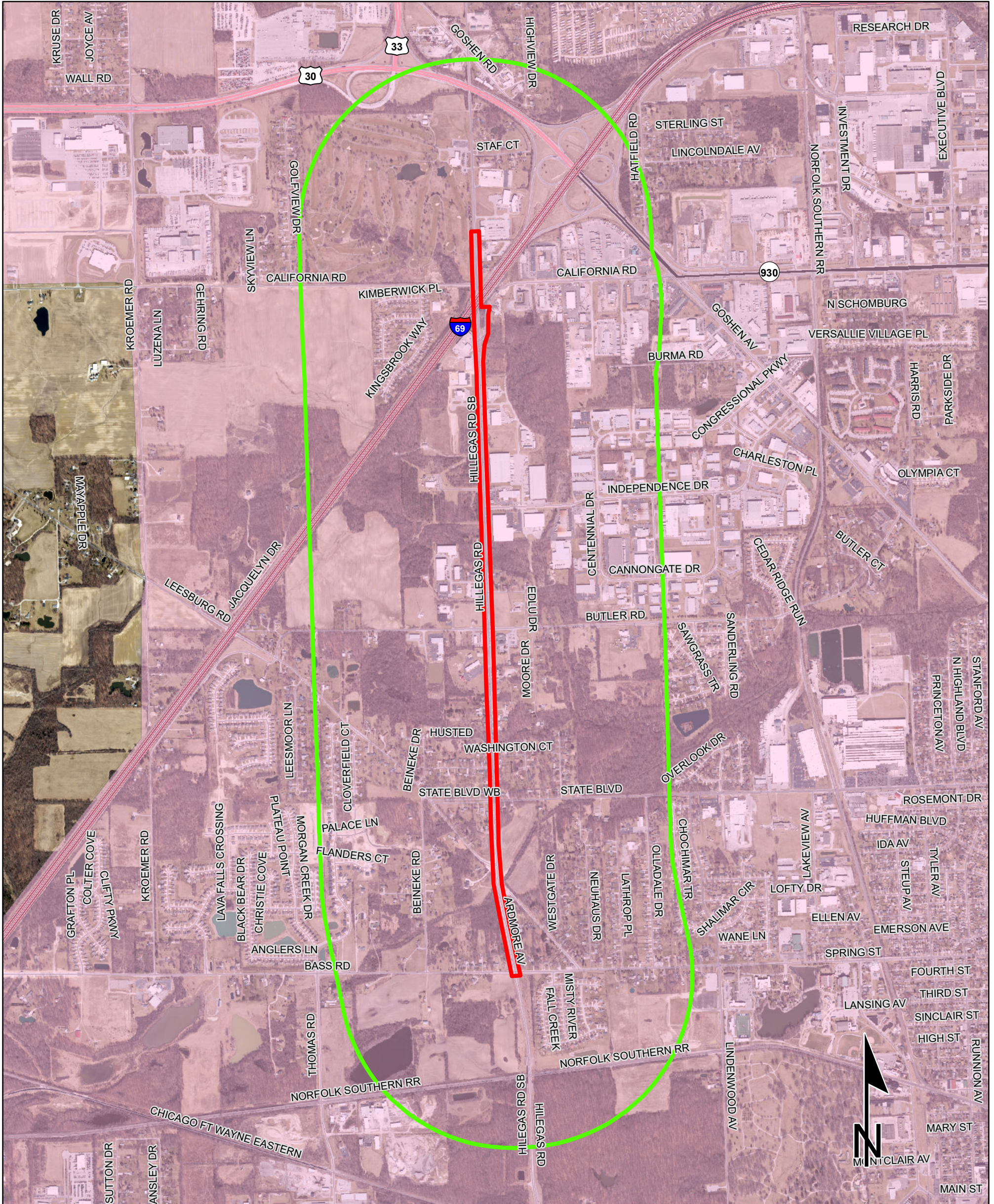
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NWI - Point	Wetlands	Project Area
Karst Spring	Lake	Half Mile Radius
NWI - Line	Floodplain - DFIRM	Toll
Impaired_Stream_Lake	Cave Entrance Density	Interstate
NPS NRI listed	Sinkhole Area	State Route
River/Stream/Drain	Sinking-Stream Basin	US Route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

Red Flag Investigation - Urbanized Area Boundary

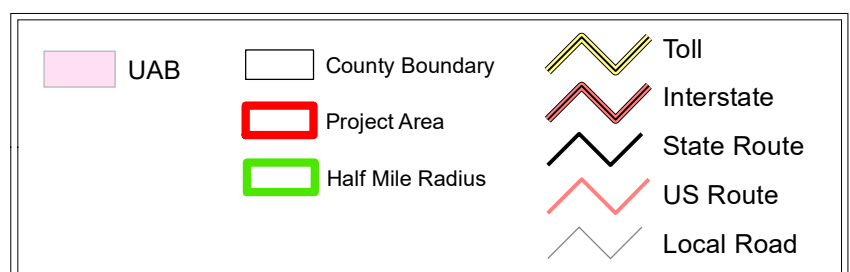
Hillegas Road Road Widening

City of Fort Wayne, Allen County, Indiana



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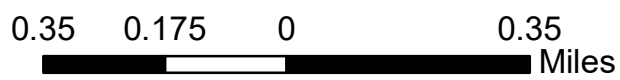
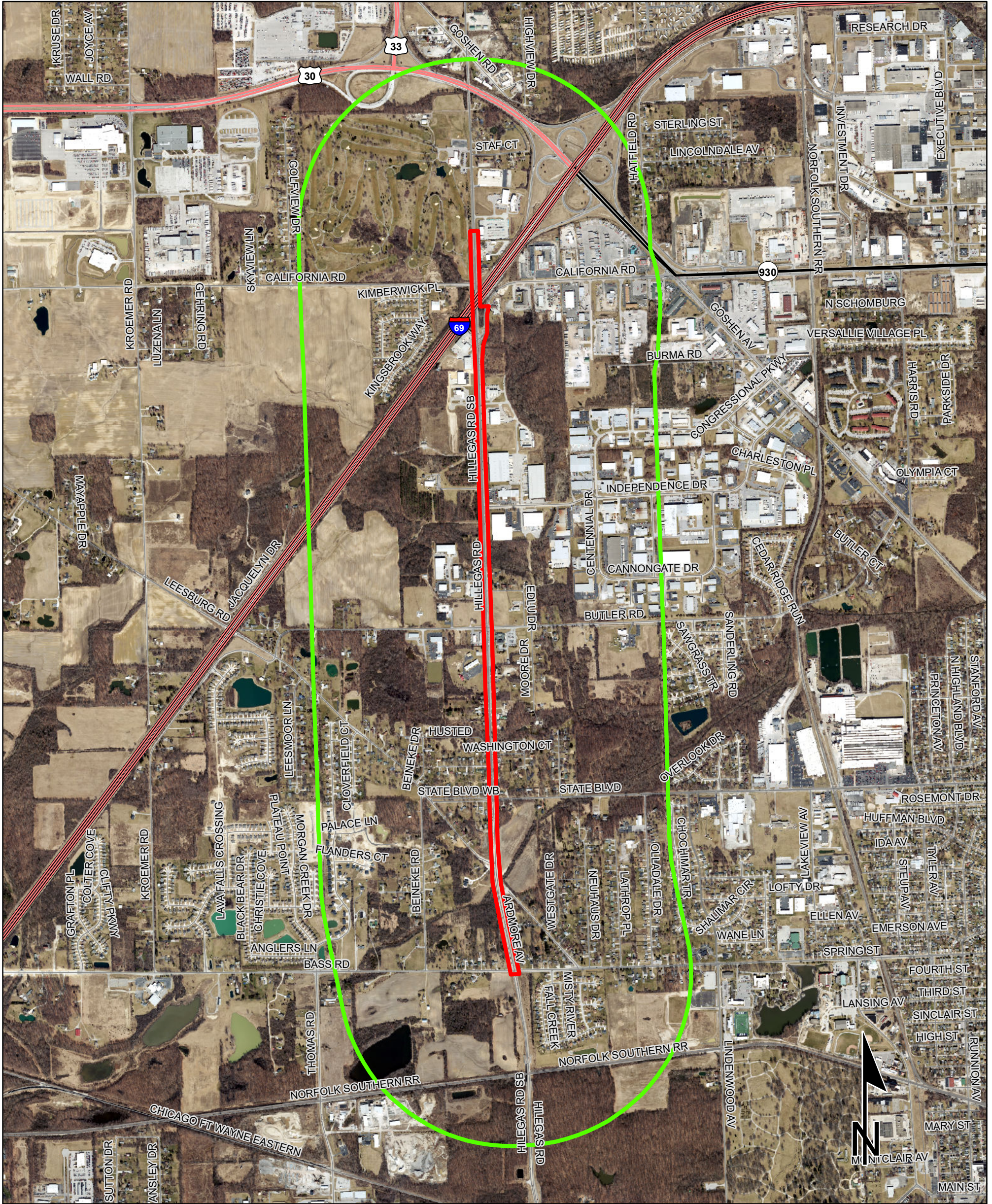
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Red Flag Investigation - Mining/Mineral Exploration

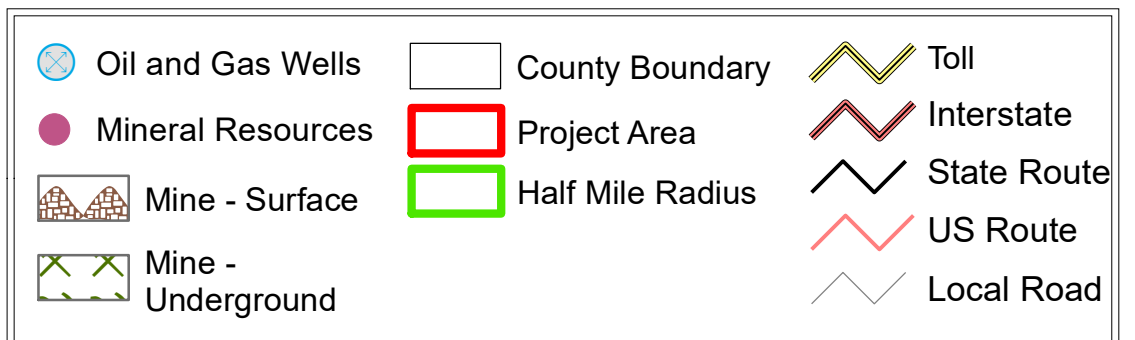
Hillegas Road Road Widening

City of Fort Wayne, Allen County, Indiana

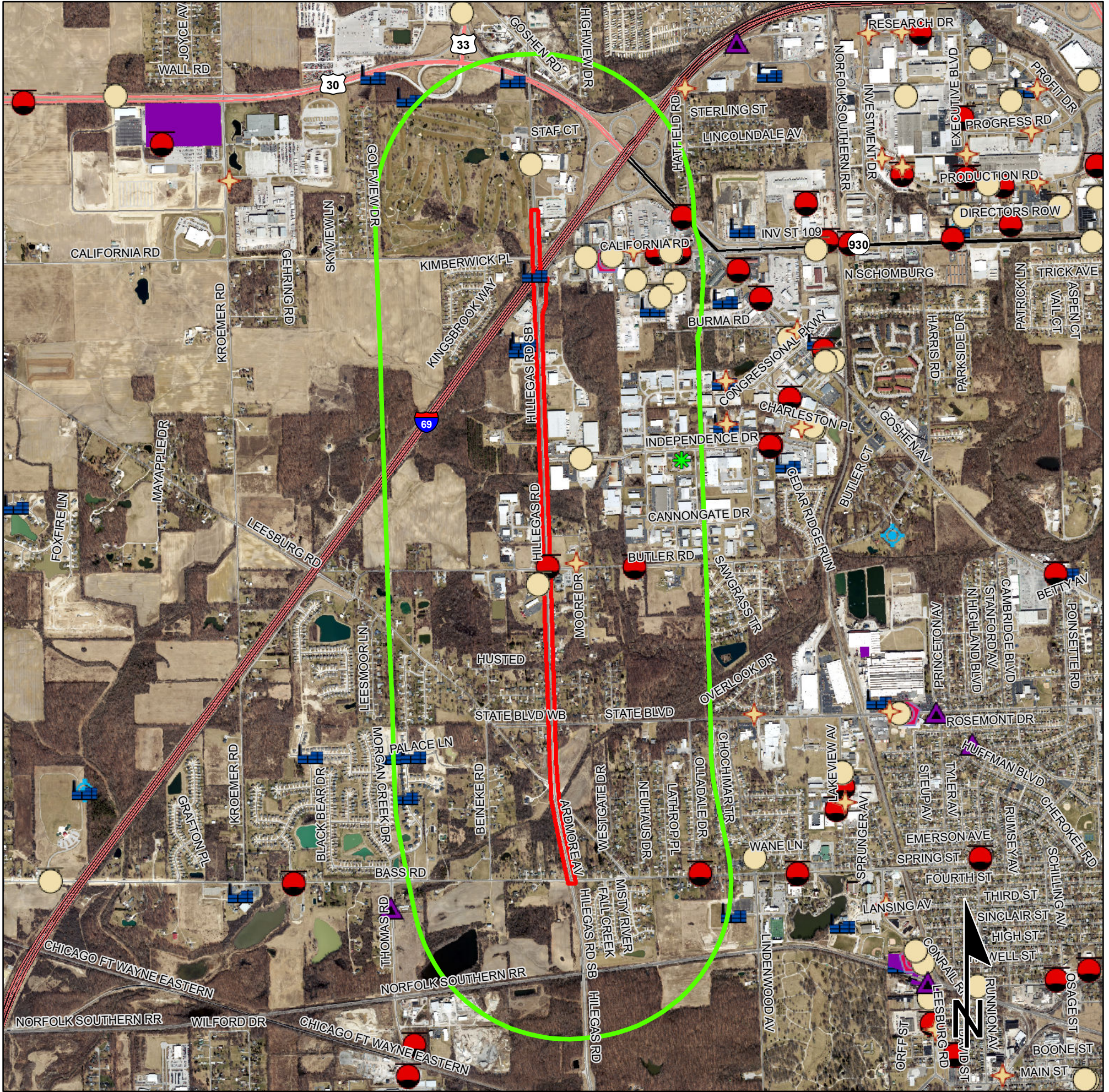


Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

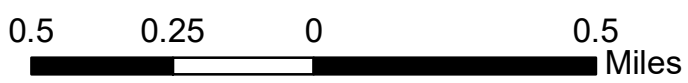
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



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



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



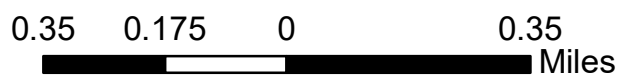
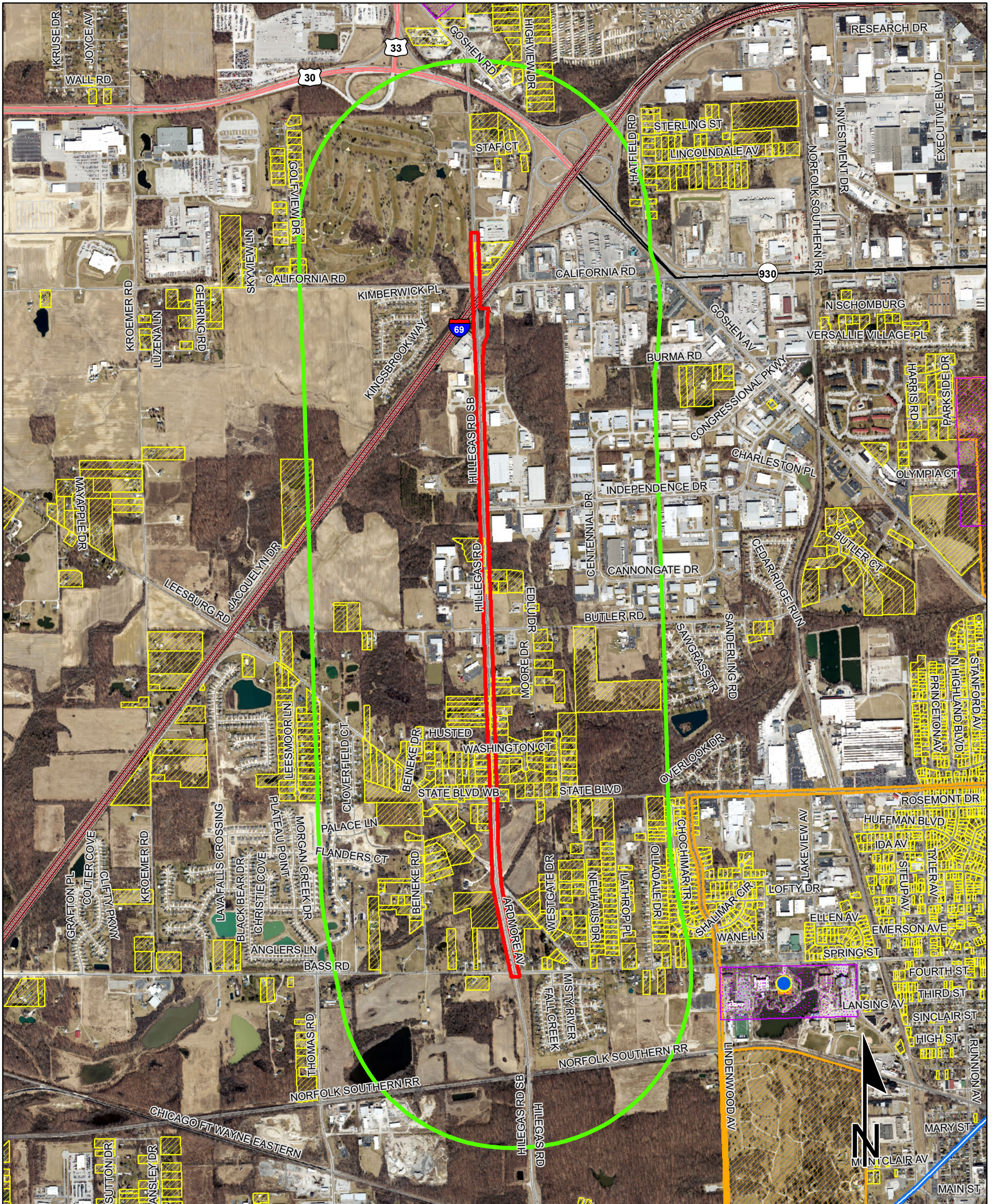
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

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

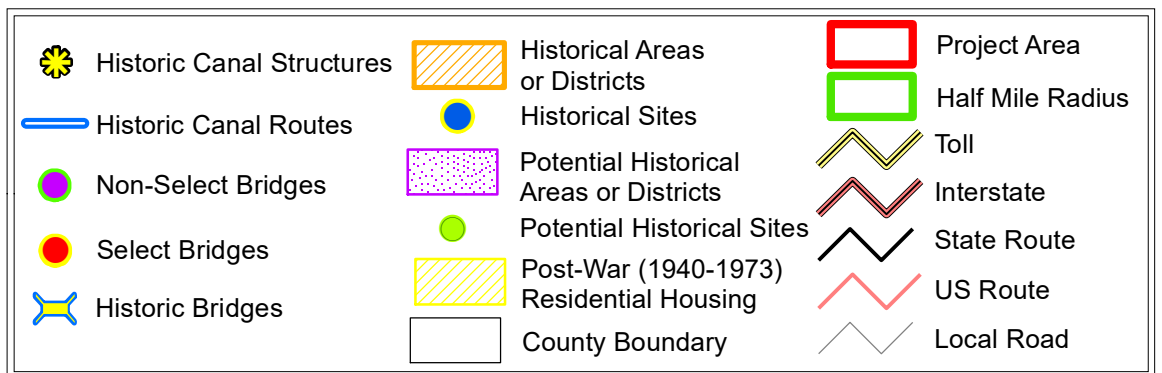
Hillegas Road Road Widening

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.

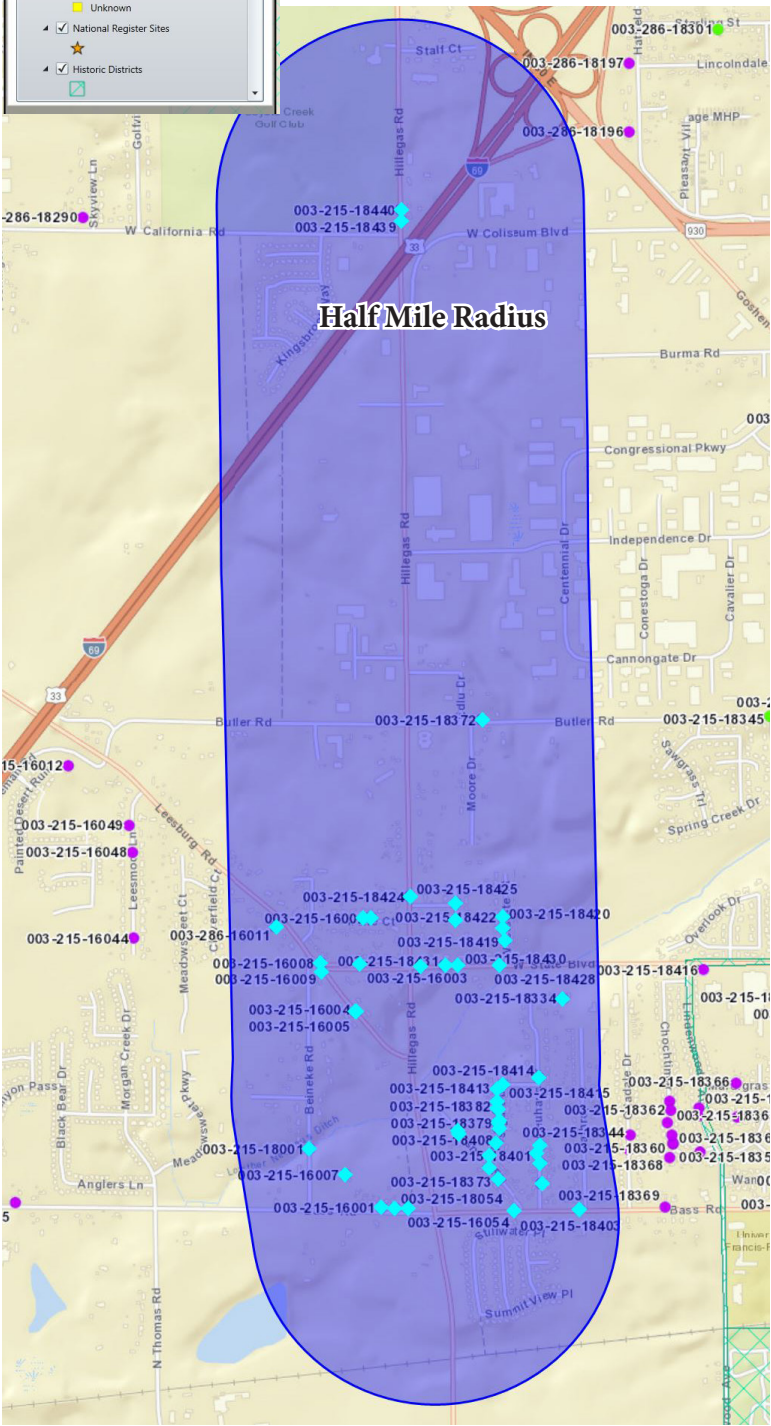


SHAARD Map

Map of locations within 1/2 mile radius of the project area

Search
 Find Address
 Bookmarks

- Historic Structures
 - Outstanding
 - Notable
 - Contributing
 - Non-Contributing
 - Demolished
 - Unknown
- Historic Bridges
 - Outstanding
 - Notable
 - Contributing
 - Non-Contributing
 - Demolished
 - Unknown
- National Register Sites
- Historic Districts



SHAARD List

List of locations within 1/2 mile radius
and highlighted locations adjacent to the project area

PrimaryKey	Name
003-215-18425	House
003-215-18430	House
003-215-18428	House
003-215-18352	House
003-215-18381	House
003-215-18383	House
003-215-18385	House
003-215-16004	House
003-215-18423	House
003-215-18439	House
003-215-18440	House
003-215-18357	House
003-215-18415	House
003-215-18429	House
003-215-18434	House
003-215-18397	Arthur and Aimee Smith House
003-215-18402	House
003-215-18001	Bridge
003-215-18413	House
003-215-18356	House
003-215-18054	House
003-215-18374	House
003-215-18403	Double House
003-215-18407	House
003-215-16009	House
003-215-16006	House
003-215-18380	House
003-215-18401	House
003-215-18334	Church
003-215-18414	House
003-215-16007	House
003-215-18372	House
003-286-16011	House
003-215-16054	House
003-215-18408	House
003-215-18373	House
003-215-18422	House
003-215-18431	House
003-215-16003	House
003-215-16002	House
003-215-16001	House
003-215-18420	House

PrimaryKey	Name
003-215-18424	House
003-215-18382	House
003-215-18379	House
003-215-16008	House
003-215-16005	House
003-215-18419	House

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
Ptychobranchus 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

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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
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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>

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.)
<p>American Bittern <i>Botaurus lentiginosus</i> 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</p>	Breeds Apr 1 to Aug 31
<p>Bald Eagle <i>Haliaeetus leucocephalus</i> 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</p>	Breeds Oct 15 to Aug 31
<p>Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399</p>	Breeds May 15 to Oct 10

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.

- 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 $0.05/0.25 = 0.2$.
- 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.

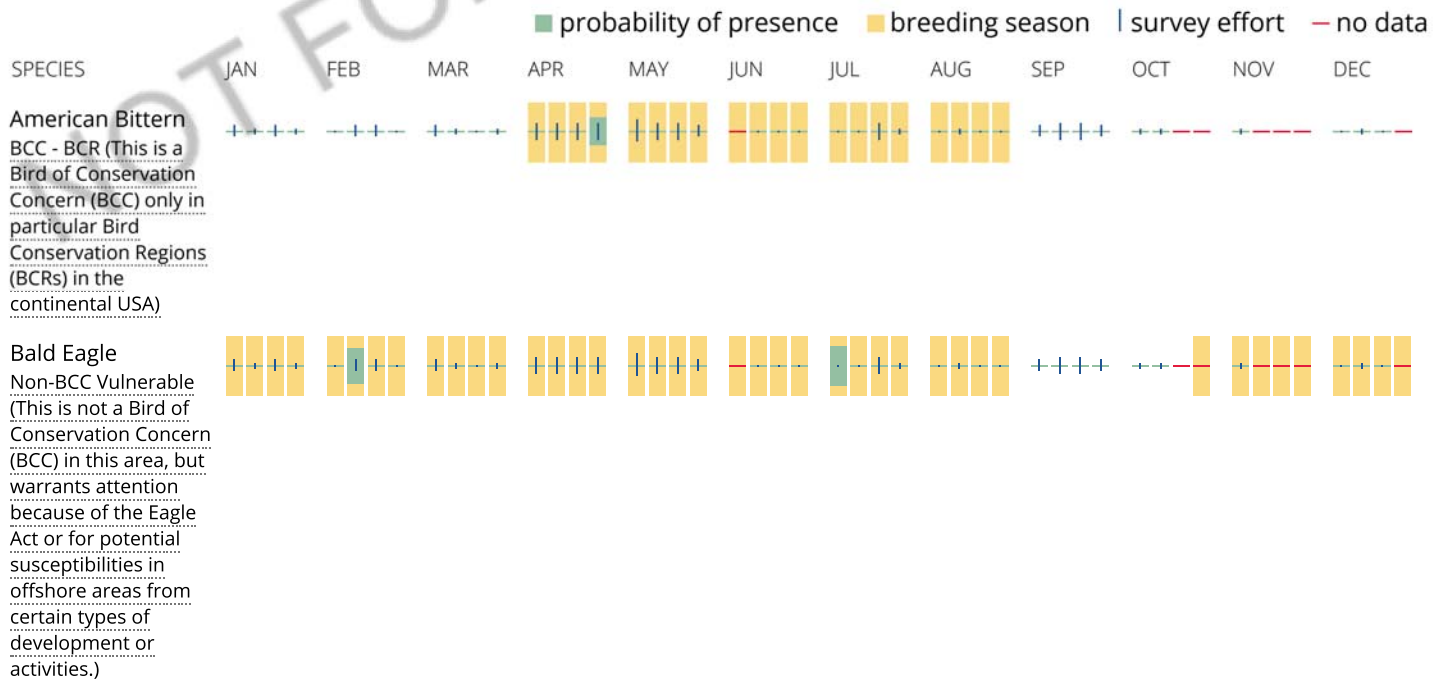
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

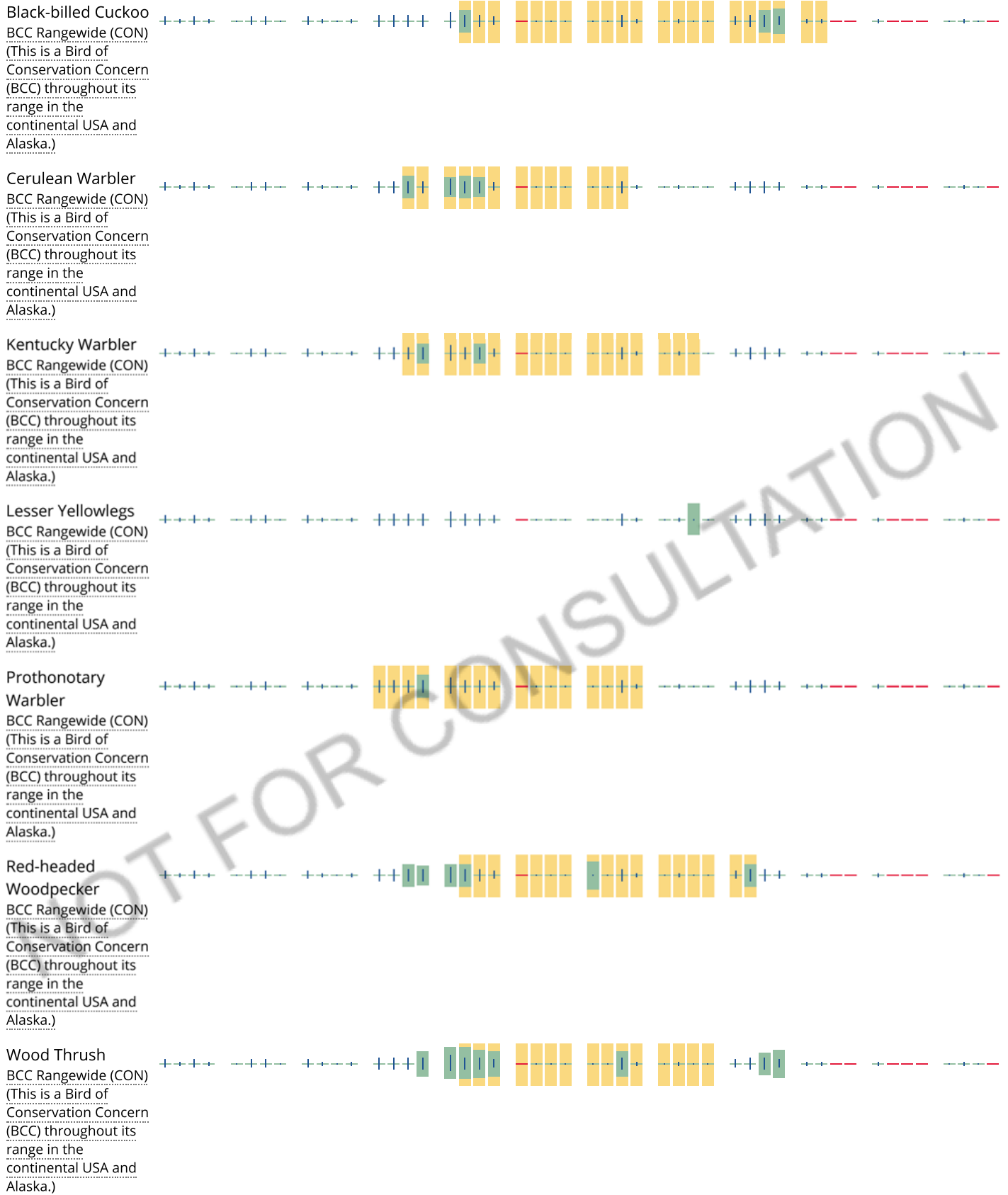
No Data (—)

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.





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 EMERGENT WETLAND

[PEM1C](#)

FRESHWATER FORESTED/SHRUB WETLAND

[PFO1C](#)

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.

NOT FOR CONSULTATION

Existing Pedestrian Network

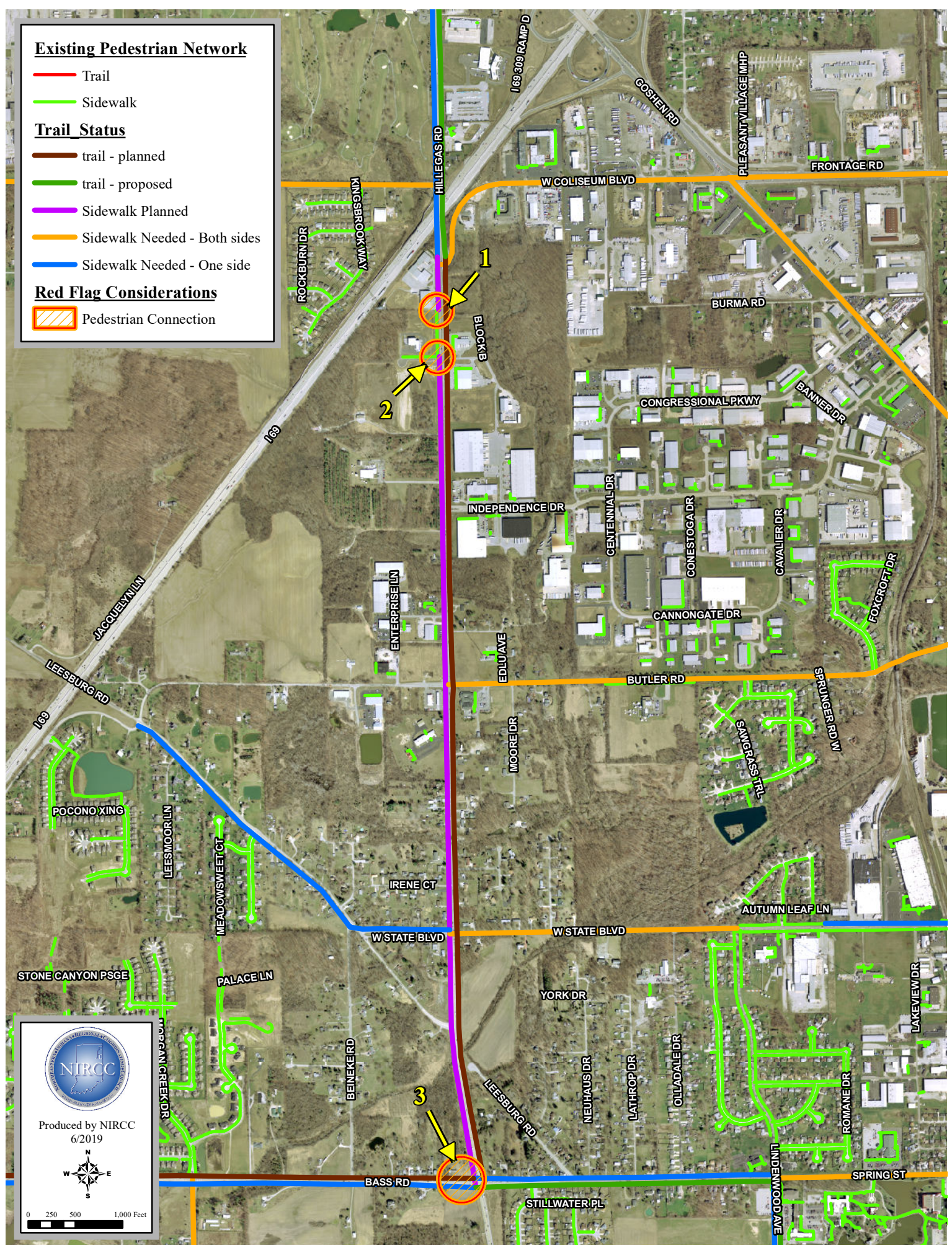
- Trail
- Sidewalk

Trail Status

- trail - planned
- trail - proposed
- Sidewalk Planned
- Sidewalk Needed - Both sides
- Sidewalk Needed - One side

Red Flag Considerations

- Pedestrian Connection



Produced by NIRCC
6/2019

0 250 500 1,000 Feet

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

6/7/2019	Hillegas Road	500' buffer	
Service Area	Contact	Phone	Address
AMERICAN ELECTRIC POWER	J. Jay Marlow	(260) 408 - 3447	
COMCAST CABLE (FORT WAYNE, CITY OF	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 - 2794	220 Berry Street RM 210 Fort Wayne, IN 46802-1804 matt.gray@cityoffortwayne.org
FRONTIER			
IN FIBER NETWORK DBA	Shawn Wright	(317) 777 - 7119	5520 W. 76th St. Indianapolis, IN 46268 swright@intelligentfiber.com
NIPSCO GAS (FORT WAYNE, CITY OF	Dave Schaafsma		utilitycoordination@nisource.com
NORTHEASTERN R.E.M.C.	Brad Deutsch	(260) 244 - 6111 x 427	4901 E Park 30 Dr Columbia City, IN 46725 b_deutsch@nremc.com
RVP FIBER COMPANY, LLC	Ryan Miedema	(616) 223 - 7144	201 Ionia Ave Sw Grand Rapids, MI 49503 rjmiedema@ussignal.com
WINDSTREAM			
ZAYO BANDWIDTH	John Senese	(317) 524 - 5711	625 East 11th Street Indianapolis, IN 46202 jsenese@zayo.com