



Northeastern Indiana Regional Coordinating Council

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Fort Wayne, Indiana 46802
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Daniel S. Avery,
Executive Director

Date: June 2, 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
Coldwater Road from Dupont Rd to Union Chapel Rd
Fort Wayne, Allen County, Indiana

PROJECT DESCRIPTION

Brief Description of Project:

This project is on Coldwater Road from Dupont Road to Union Chapel Road. The limits of the RFI are Coldwater Road from Dupont Road to Perry Lake Drive (north of Union Chapel Road). 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. Sidewalks on both sides of the roadway with a grass buffer between sidewalk and curb line. In addition to the sidewalks, curb ramps will be installed at all intersections.

Culvert Project: Yes No Structure # N70 048

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

There is a small culvert located between Willowind Trail and Windrift Lane (specifically at 41.193426 - 85.132652). It may need to be replaced, this will be determined during preliminary engineering.

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: Two new lanes will be constructed with storm sewers; the existing roadway will be repaved. Additional excavation may be needed and will 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

Project Jurisdiction: State: 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	8 ⁽⁴⁾	Pipelines	3 ⁽²⁾
Airports ¹	0	Railroads Active	N/A
Cemeteries	1 ⁽¹⁾	Railroads Abandoned	N/A
Hospitals	N/A	Managed Lands	N/A
Schools	7 ⁽⁶⁾	Trails Existing	2 ⁽¹⁾
Recreational Facilities	3 ⁽³⁾	Trails Proposed/Planned	2 ⁽²⁾

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: Eight (8) religious facilities are located within the 0.5 mile radius. Two (2) of these facilities are adjacent to or within the project area. Beautiful Savior Lutheran Church is located at 11228 Coldwater Rd and Pine Hills Church is located at 11331 Coldwater Rd. Two (2) other facilities have main access points off Coldwater Rd but are not adjacent to or within the project area. Church at Jacobs Well is located at 10707 Coldwater Rd and St John Chrysostom Church is located at 402 Badiac Rd. Traffic will be maintained throughout construction using lane closures, allowing for continued access; however, coordination with these churches 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.

Cemetery: One (1) Cemetery is located within the 0.5 mile radius and is also adjacent to or within the project area. The Union Chapel Cemetery is located on the southeast corner of Coldwater Rd and Union Chapel Rd. A Cemetery Development Plan may be required since this project is within 100 feet of the cemetery. Coordination with INDOT Cultural Resources is recommended.

Schools: Seven (7) Schools, or school facilities, are located within the 0.5 mile radius. Five (5) of the Schools may be within or adjacent to the project area and One (1) School facility is located near the project. Traffic will be maintained throughout construction using lane closures and/or detours, allowing for continued access. No impact is expected; however, coordination with Northwest Allen County Schools will occur.

- The following are Schools within or adjacent to the project area:
 - o Maple Creek Middle School, located at 425 Union Chapel Rd
 - o Perry Hill Elementary School, located at 13121 Coldwater Rd
 - o Oakview Elementary School, located at 13123 Coldwater Rd
 - o Pine Hills Kiddie Garden, located at 11331 Coldwater Rd
 - o Beautiful Savior Lutheran, located at 11228 Coldwater Rd
- The one School facility that is located near the project is the NACS Transportation Center which is located west of the project at 12922 Corbin Rd.

Recreational Facilities: Three (3) recreational facilities are located within the 0.5 mile radius. All three (3) of the facilities may be within or adjacent to the project area. Maple Creek Middle School (located at 425 Union Chapel Rd), Perry Hill Elementary School (located at 13121 Coldwater Rd), and Oakview Elementary School (located at 13123 Coldwater Rd) may be adjacent to or within the project area on the north end of the project. Traffic will be maintained throughout construction using lane closures and/or detours, allowing for continued access. No impact is expected; however, coordination with Northwest Allen County Schools will occur.

Pipelines: Three (3) Pipelines are located within the 0.5 mile radius. Two (2) of the Pipelines are adjacent to or within the project area. A Northern Indiana Fuel and Light Co. natural gas pipeline appears to run parallel to the west side Coldwater Rd for the entire length of the project. Another Northern Indiana Fuel and Light Co. natural gas pipeline

intersects the project area at Coldwater Rd approximately 0.2 miles south of Union Chapel Rd. Coordination with the Northern Indiana Fuel and Light Co. will occur.

Trails Existing: Two (2) existing trails are located within the 0.5 mile search radius. One (1) existing trail is located adjacent to or within the project area. It is located along the south side of Dupont Rd from the intersection of Coldwater Rd and Dupont Rd west to SR 3.

Trails Proposed/Planned: Two (2) potential trails are located within the 0.5 mile search radius. Both potential trails are located adjacent to or within the project area.

- One of the trail segments is planned to be constructed in the near future by the City of Fort Wayne. This trail is on the south side of Dupont Rd from Coldwater Rd to Pine Mills Rd.
- One trail segment is proposed to be constructed in the near future along Union Chapel Rd. This trail will be constructed along the north side of Union Chapel Rd from Life Bridge Church (12719 Corbin Rd) to w/o Auburn Rd.

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	51⁽⁶⁾
Canal Structures – Historic	N/A	Lakes	8⁽¹⁾
NPS NRI Listed	N/A	Floodplain - DFIRM	11⁽⁵⁾
NWI-Lines	2	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	N/A	Sinkhole Areas	N/A
Rivers and Streams	54 ⁽³⁾	Sinking-Stream Basins	N/A

Explanation:

NWI-Lines: Two (2) NWI-Lines are located within the 0.5 mile search radius. The closest one is located approximately 0.38 miles east of the southern end of the project area. No impact is expected.

Rivers and Streams: Fifty-four (54) segments of Rivers/Streams/Ditches are located within the 0.5 mile search radius. Three (3) river/stream/drain features intersect the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

- The Roy Delagrang Drain intersects the project approximately 0.44 miles south of Union Chapel Rd.
- The McComb James Drain intersects the project approximately 0.23 miles north of Union Chapel Rd.
- There is a drain structure located on the west side of Coldwater Rd approximately 200’ north of Mill Lake Rd. The name associated with it is “Roy #2” or “Roy #2 Br 2”. This drain structure was found during a field survey.

NWI – Wetlands: Fifty-one (51) Wetlands are located within the 0.5 mile search radius. Six potential (6) Wetlands are located adjacent to the project area. Two of them are located approximately 0.18 miles south of Union Chapel Rd on the east and west side of Coldwater Rd. One is located approximately 0.55 miles north of Dupont Rd on the west side of Coldwater Rd. One is located just south of Mill Lake Rd on the east side of Coldwater Rd. Two other potential wetlands that were identified during a field check survey were located as well. One is located at the northwest corner of the intersection of Coldwater Rd and Union Chapel Rd and another is located approximately 200’ south of Valley O Pines Pkwy on the east side of Coldwater Rd. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

Lakes: Eight (8) Lakes are located within the 0.5 mile search radius. One (1) Lake feature intersects the project area approximately 0.55 miles north of Dupont Rd on the west side of Coldwater Rd. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, will occur.

Floodplain – DFIRM: Eleven (11) Floodplain polygons are located within the 0.5 mile search radius. Five (5) are located adjacent to or within the project area. All five Floodplain polygons are associated with the Roy Delagrange Drain which intersects the project approximately 0.44 miles south of Union Chapel Rd. Coordination with the appropriate agency will occur.

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	1	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

Oil and Gas Wells: One (1) Oil and Gas Well is located within the 0.5 mile search radius. It is located approximately 0.4 miles west of the north end of the project area. No impact 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	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	5 ⁽¹⁾	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	N/A	Brownfields	N/A
Construction Demolition Waste	N/A	Institutional Controls	2 ⁽²⁾
Solid Waste Landfill	N/A	NPDES Facilities	9 ⁽³⁾
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	4 ⁽³⁾	Notice of Contamination Sites	N/A

Explanation:

Underground Storage Tank (UST) Sites: Five (5) USTs are located within the 0.5 mile search radius. One (1) UST is located adjacent to the project area. It is located at Pine Hills Church at 11331 Coldwater Rd. The Agency Interest ID is 559. According to the Virtual File Cabinet there was a notification of an underground storage tank in 1987. The exact location is unknown. Further investigation is needed.

Leaking Underground Storage (LUST) Sites: Four (4) LUST sites are located within the 0.5 mile search radius. Three (3) LUSTs are located adjacent to the project area.

- One LUST site is located at the corner of Union Chapel Rd and Coldwater Rd at 12635 Coldwater Rd. The name of the location is the “Mac Food Mart” and the Agency Interest ID is 2412. There were several USTs located on the site that were permanently closed according to a report from the Virtual File Cabinet. According to the reports in 2014 there was soil and water contamination. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary. Further investigation may be needed.
- One LUST was located on the site of Perry Hill School at 13121 Coldwater Rd. The LUST was located approximately 650’ west of Coldwater Rd on the school property. The tank was removed and a “No Further Action Determination” from IDEM was made in 2009. No impact is expected.
- One LUST site located at 10412 Coldwater Rd is called “Dupont Deli” and was closed in 1998. All tanks were removed and contaminated soil was transported off-site. No impact is expected.

Institutional Controls: Two (2) Institutional Control facilities/areas are located within the 0.5 mile search radius. Both of the areas are located adjacent to the project at 12635 Coldwater Rd with Agency Interest ID 2412. A LUST No Further Action was dated 7/21/2014 with an Environmental Restrictive Covenant recorded 7/11/2014 for ground water use and residential use. The affected media is ground water and subsurface soil. According to the Virtual File Cabinet (VFC) soil borings and monitoring wells were located on the parcel at the southwest corner and northwest corner of the intersection of Coldwater Rd and Union Chapel Rd. Monitoring wells have been closed on the southwest corner but were buried a minimum of 2’ from the surface. Excavation of this area could potentially encounter the abandoned monitoring wells. Also, it appears that there was contamination of soil and groundwater on the southwest and northwest corners of this intersection. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary. Further investigation may be needed.

NPDES Facilities: Nine (9) NPDES Facilities are located within the 0.5 mile search radius. Three (3) NPDES Facilities are located adjacent to the project area.

- The property with NPDES Facility name “Coldwater Retirement”, permit number INR10H845 is located at the southeast corner of Coldwater Rd and Candlewood Way which is adjacent to the project area. The permit was issued on 2/11/2014 and expired 2/10/2019.
- The property associated with NPDES Facility name “Teds Market”, at 12628 Coldwater Rd, permit number INR10J023 is located adjacent to the project area. The permit was issued on 9/10/2014 and expired 9/9/2019.
- The property associated with NPDES Facility name “Upper Ely Interceptor Sewer Phase IV”, at 700-2200 Union Chapel Rd, permit number INR10J361 is located adjacent to or within the project area. The permit was issued on 11/14/2014 and expired 11/13/2019.

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	56 ⁽⁸⁾	Potential Historic Sites or Districts	N/A
Post-War Era (1940-1973) Residential Housing Sites	423 ⁽²²⁾		

Explanation:

Properties identified in the SHAARD database (State Historic Architectural and Archaeological Research Database): Fifty-six (56) properties or sites are located within the 0.5 mile search radius. Eight (8) sites are located adjacent to the project area. All eight sites have a County Survey rating as “Contributing”. No impact is expected.

Post-War Era (1940-1973) Residential Housing Sites: Four Hundred Twenty-Three (423) 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. Three subdivisions in particular, which were almost entirely built during this time period, contain strong architectural features representing this era and are located on the east and west side of Coldwater Rd. Pine Valley is located on the east side of Coldwater Rd at its intersection with Valley O Pines Pkwy. Mardego Hills is located on the west side of Coldwater Rd between Marcelle Dr and Mardego Pkwy. There are also three streets, two of which are minor residential streets, which stood alone at one time as a residential area that was built during this time period and it is located along Lassie Ln, Laddie Ln, and Union Chapel Rd (south side) which is near the southeast corner of the intersection of Coldwater Rd and Union Chapel Rd. The area was considered a small unincorporated community called Royville with a church (now Ted’s Beer Hall) anchoring the residential housing along Lassie Ln, Laddie Ln, and Union Chapel Rd. All three of these subdivision areas discussed, as well as some other individual parcels, may affect the project. Coordination with INDOT Cultural Resources Office may 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.

PEDESTRIAN INFRASTRUCTURE

- The overall recommendation for Coldwater Rd is to construct sidewalks along both sides of Coldwater Rd throughout the entire length of the project. Additionally, the following pedestrian infrastructure/connections (1-15) should be accommodated in the project:
 - 1) Construct sidewalks to connect with the existing sidewalk located along Perry Lake Dr on the east side of Coldwater Rd and the existing sidewalk along the entrance drive to Perry Hill Elementary on the west side of Coldwater Rd.
 - 2) Coordinate with the Allen County Highway Department for the planned trail that will be built along the north side of Union Chapel Rd. Add piano key style crosswalks on all four legs of the intersection. Build a sidewalk to connect with the existing sidewalk located in front of the Tim Hortons on the southwest corner of the intersection.
 - 3) Construct sidewalk (approx. 350’) along the south side of Union Chapel Rd to connect with the pedestrian walkway along the entrance drive for Ted’s Market east of Coldwater Rd.
 - 4) Construct a sidewalk connection to the existing sidewalk extending from Ted’s Market towards Coldwater Rd.
 - 5) Construct a sidewalk to connect with the existing sidewalk along the north side of Laddie Ln on the east side of Coldwater Rd.
 - 6) Construct a sidewalk to connect with the existing sidewalk along the north side of Misty Ct on the east side of Coldwater Rd.
 - 7) Construct a sidewalk to connect with the existing sidewalks along both sides of Willowind Trl on the east side of Coldwater Rd.
 - 8) Construct a sidewalk to connect with the existing sidewalks along both sides of Windrift Ln on the east side of Coldwater Rd.
 - 9) Construct a sidewalk to connect with the existing sidewalk along the north side of Candlewood Way on the east side of Coldwater Rd. Also, there is existing sidewalk along the east side of Coldwater Rd that extends south of Candlewood Way to approximately Badiac Rd.

- 10) There is existing sidewalk on the west side of Coldwater Rd across from Candlewood Way with a length of approximately 175'
- 11) The existing sidewalk ends on the east side of Coldwater Rd approximately 270' south of Badiac Rd.
- 12) Construct a sidewalk to connect with the existing sidewalk on the south side of the Beautiful Savior Lutheran Church that connects with Wingate Dr to the east.
- 13) On the east side of Coldwater Rd construct a sidewalk to connect with the existing sidewalk along the south side of Valley O Pines Pkwy.
- 14) Sidewalk currently exists on the west side of Coldwater Rd near the entrance to Kroger.
- 15) Construct a pedestrian connection to the striped pedestrian area (approximately 100' north of Dupont Rd on the east side of Coldwater Rd) in Walgreen's parking lot designated for pedestrians. Coordinate with current projects that are constructing a sidewalk on the north side of Dupont Rd west of Coldwater Rd and the trail being built along the south side of Dupont Rd. There should be crossings installed at all four legs of the intersection.

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 twenty-six (26) Infrastructure items within the half mile radius. Of the twenty-six (26) items only nineteen (19) may be affected by the project.

- Two (2) *Religious Facilities* (Beautiful Savior Lutheran Church and Pine Hills Church). Coordination with the two Religious Facilities is needed.
- Though not adjacent, 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.
- One (1) *Cemetery* is adjacent to the project area. A Cemetery Development Plan may be required since this project is within 100 feet of the cemetery. Coordination with INDOT Cultural Resources will occur.
- There are five (5) *Schools* and one (1) *School Facility* adjacent to the project but they are not expected to be directly impacted. However, these schools could be impacted with the transportation routes to and from the schools. Coordination with Northwest Allen County Schools will be needed.
- There are three (3) *Recreational Facilities* adjacent to the project. No impacts to the facilities are expected, however coordination with the Northwest Allen County Schools is needed.
- Two (2) *Pipelines* are adjacent or within the project area. Coordination with the Northern Indiana Fuel and Light Co. will occur.
- One (1) *Existing Trail* is adjacent to the project.
- There are two (2) *Potential Trails* located 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-six (126) Water Resources within the half mile radius. Of the one hundred twenty-six (126) items only fourteen (15) may be affected by the project.

- Three (3) *Rivers and Streams* features intersect the project area. 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 six (6) *Wetlands* adjacent to the project. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, is needed.
- One (1) *Lake* is located adjacent to the project area. A Waters of the US Report is recommended and coordination with the appropriate agency, if applicable, is needed.
- There are five (5) *Floodplain* polygons are adjacent to or within project area. Coordination with the appropriate agency 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 LOCATIONS: The Red Flag Investigation has identified twenty (20) Hazardous Locations within the half mile radius. Of the twenty (20) items only nine (9) may be affected by the project.

- One (1) *Underground Storage Tank (UST)* Site is adjacent to the project. Exact location is not known, additional investigation is needed to determine impact.
- Three (3) *LUST* sites are located adjacent to the project area. No impact is expected with two of the sites and further investigation is needed on the third site (12635 Coldwater Road). If excavation occurs in this area, proper handling, removal, and disposal of soil and /or groundwater may be necessary.
- There are two (2) *Institutional Control* facilities/areas adjacent to the project area. If excavation is to occur at this location (northwest and southwest corners of Union Chapel & Coldwater) proper handling, removal, and disposal of soil and /or groundwater may be necessary. Additional investigation may be needed to determine impact.
- Three (3) *NPDES Facilities* are located adjacent to the project area. All permits have expired, further investigation may be needed.

HISTORIC SITES AND AREAS: The Red Flag Investigation has identified four hundred seventy-nine (479) sites within the half mile radius. Of the four hundred seventy-nine (479) items only thirty (30) may be affected by the project.

- Eight (8) *County Survey Sites* identified from the SHAARD database (State Historic Architectural and Archaeological Research Database) are located adjacent to the project area. All eight (8) 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, or as part of residential neighborhoods (subdivisions) 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: Fifteen (15) 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 engineering phase to determine impact 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 (on SHAARD GIS map)

LIST OF ENDANGERED, THREATENED AND RARE SPECIES: YES

INFORMATION FROM THE PLANNING AND CONSULTATION: YES

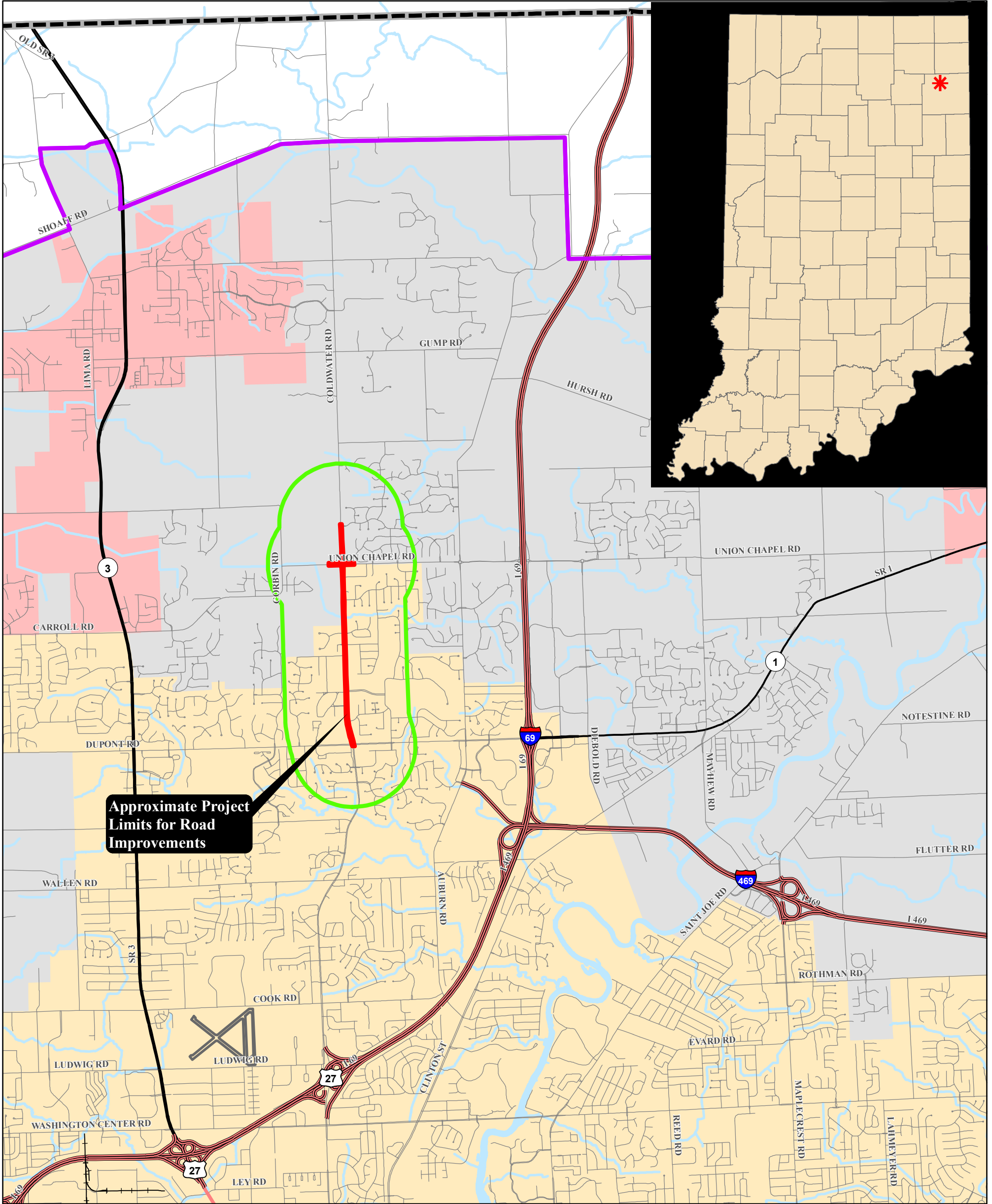
PEDESTRIAN INFRASTRUCTURE: YES

UTILITY CONTACT LIST: YES

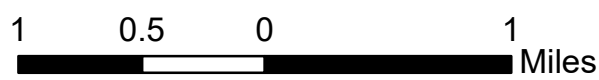
Red Flag Investigation - Project Location

Coldwater Road Road Widening

City of Fort Wayne, Allen County, Indiana

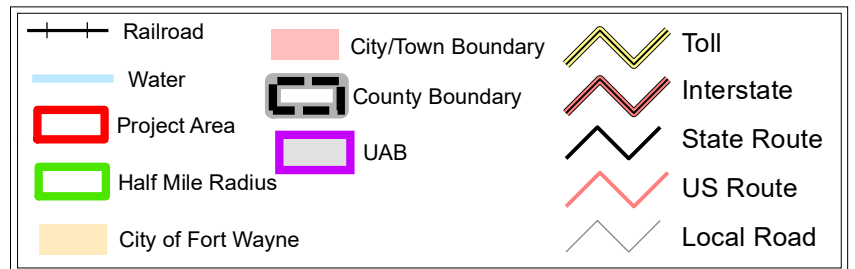


Approximate Project Limits for Road Improvements



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

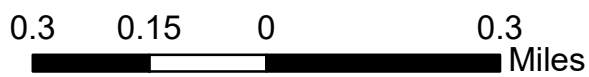
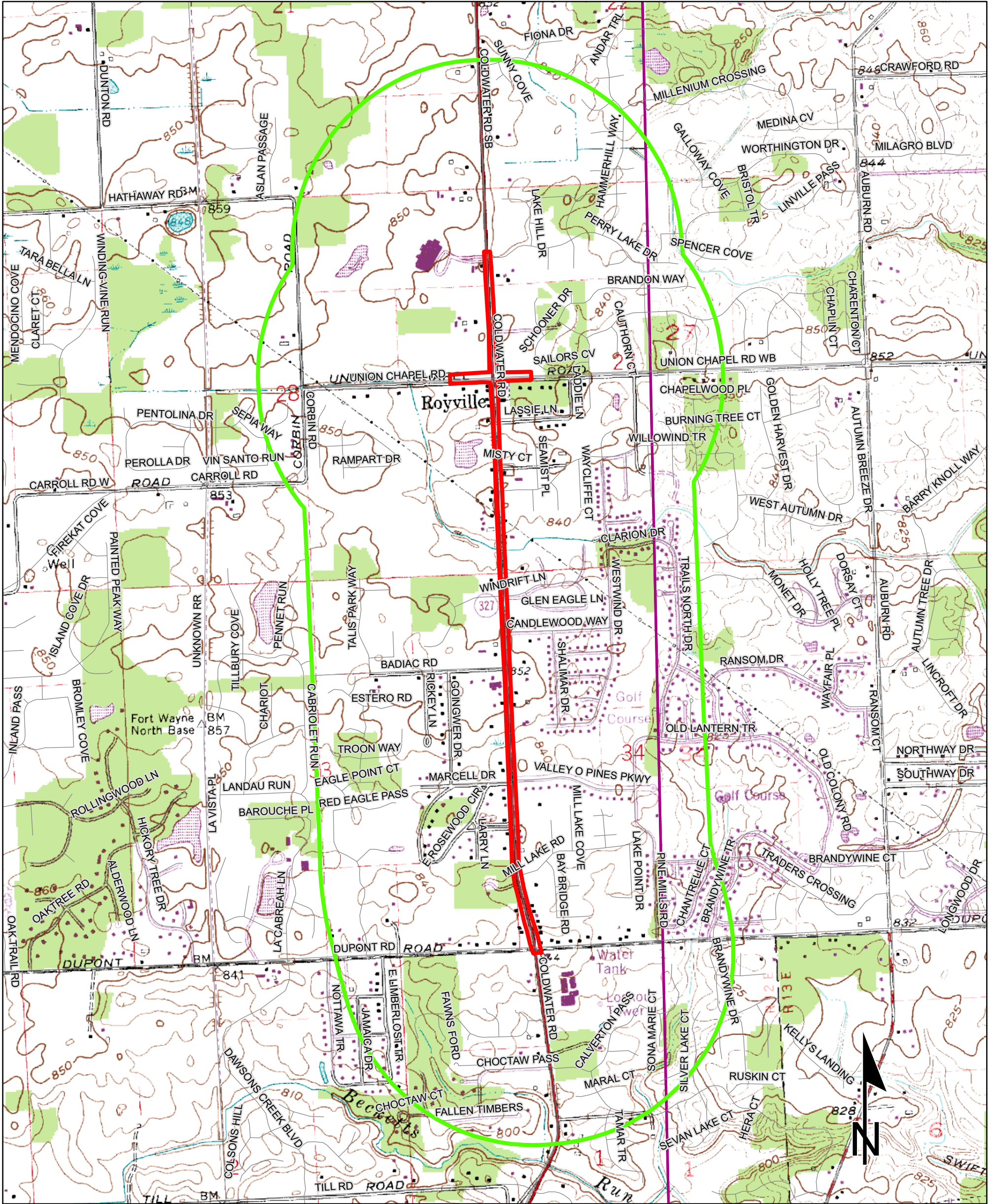
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



Red Flag Investigation - Site Location

Coldwater 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

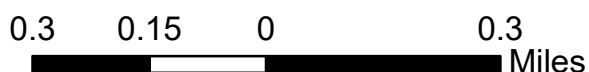
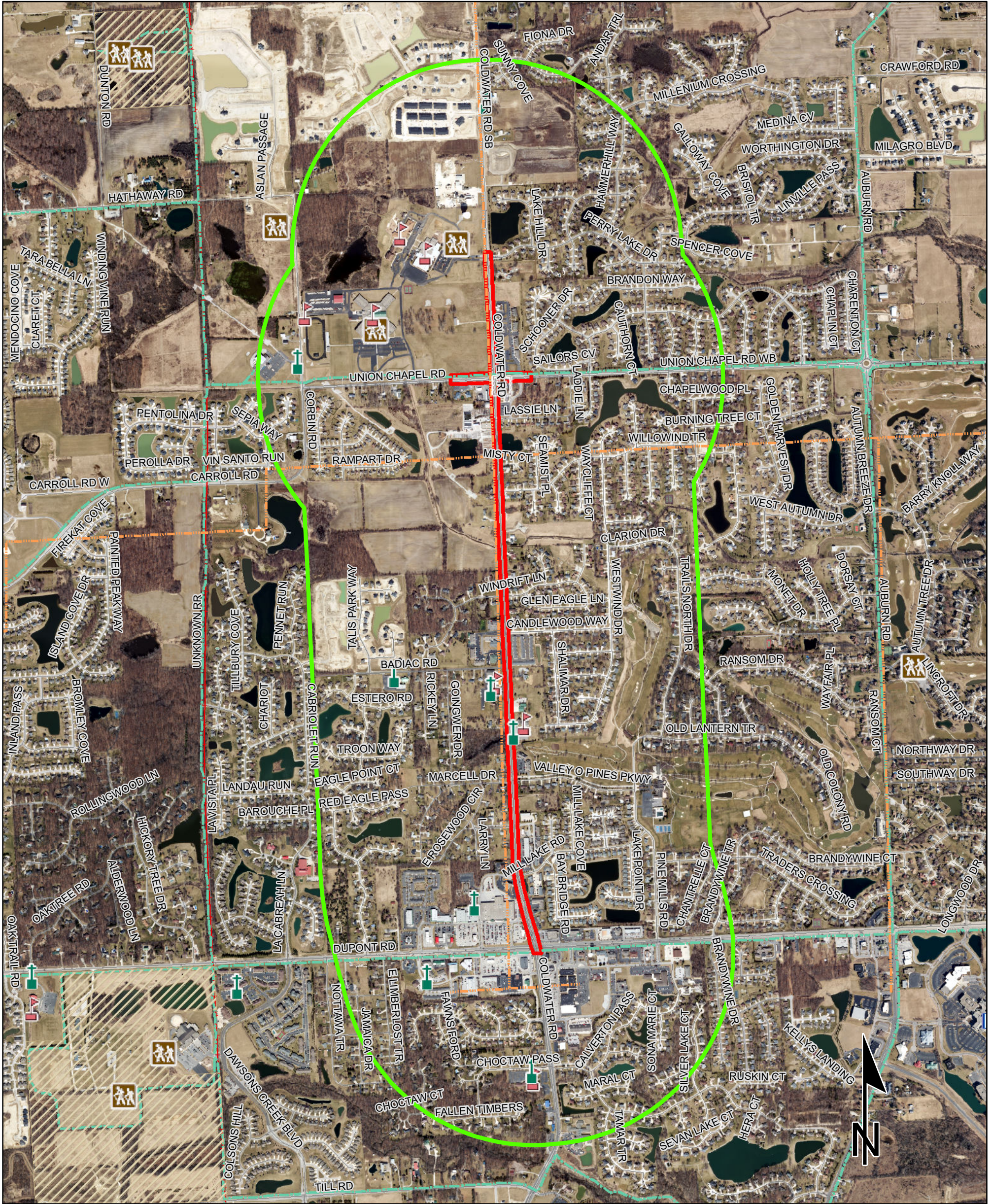
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**HUNTERTOWN AND CEDARVILLE
 QUADRANGLE
 INDIANA
 7.5 MINUTE SERIES
 (TOPOGRAPHIC)**

Red Flag Investigation - Infrastructure

Coldwater 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

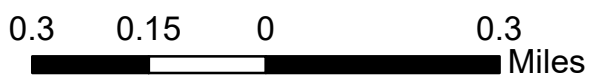
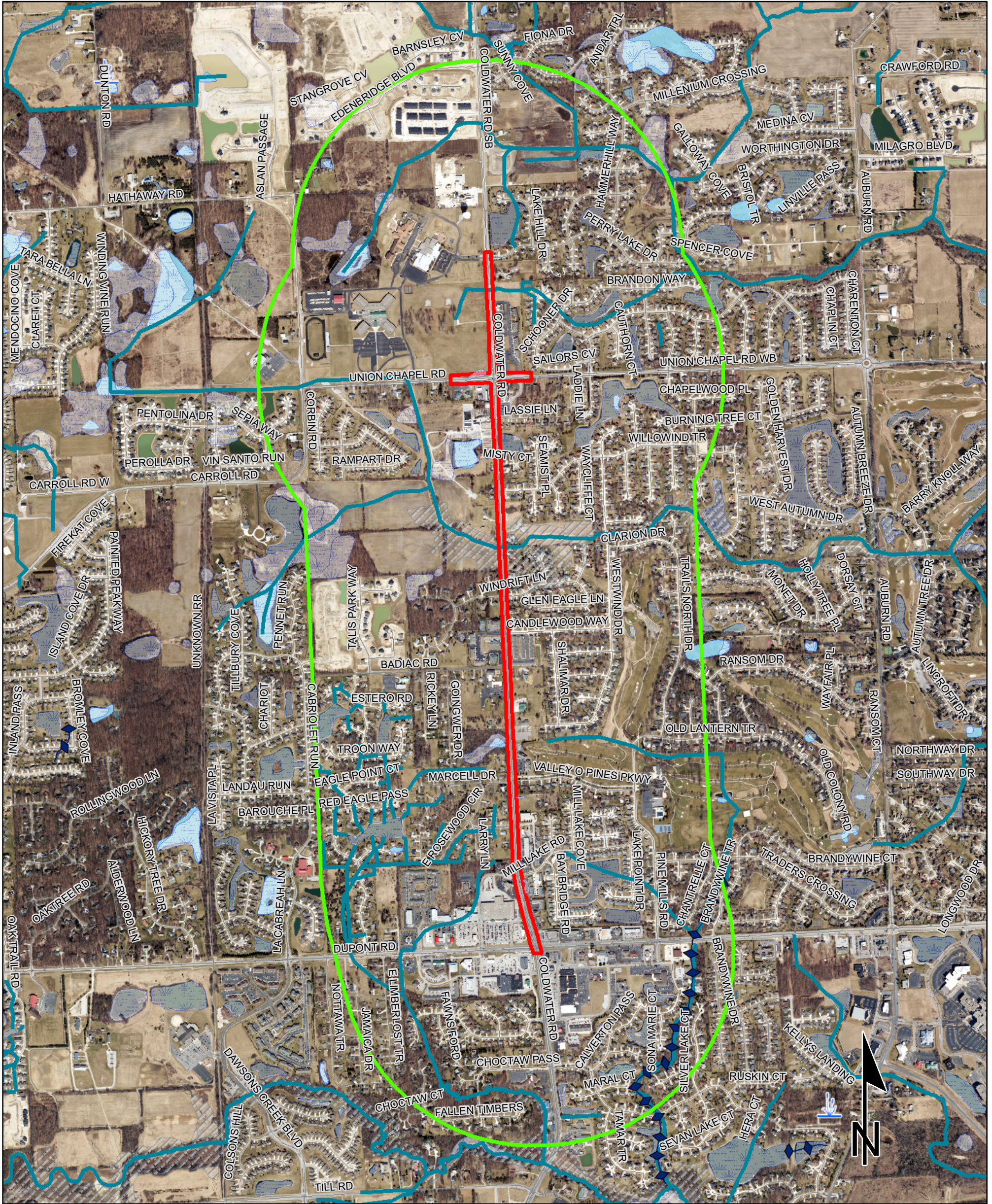
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	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

Red Flag Investigation - Water Resources

Coldwater 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

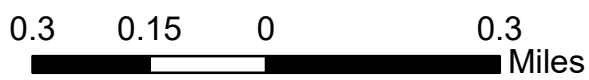
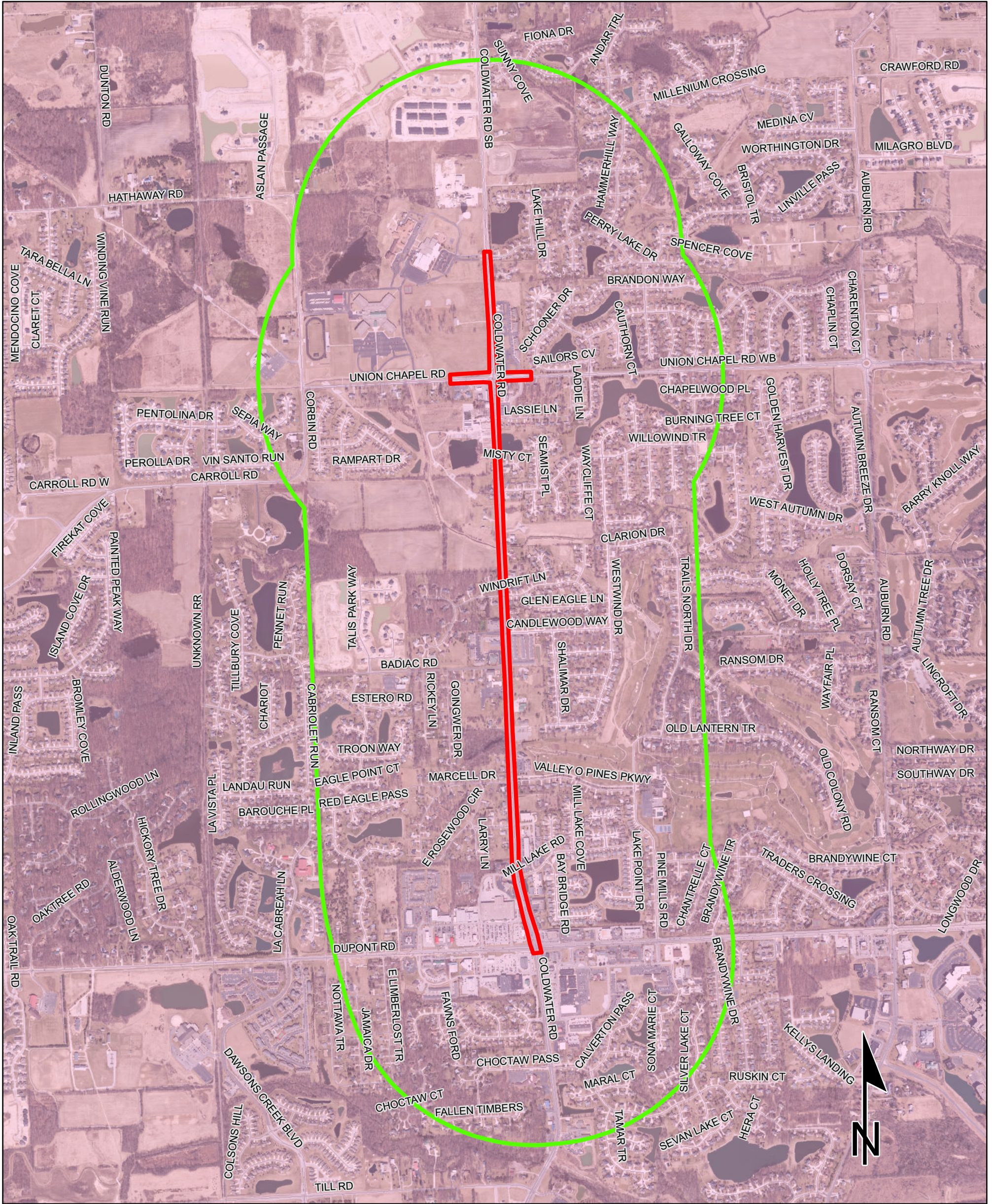
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

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

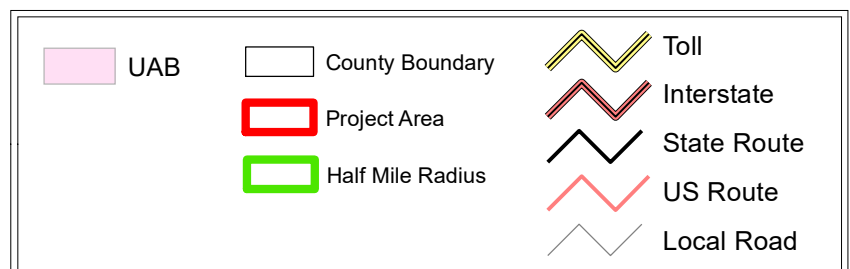
Coldwater Road Road Widening

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

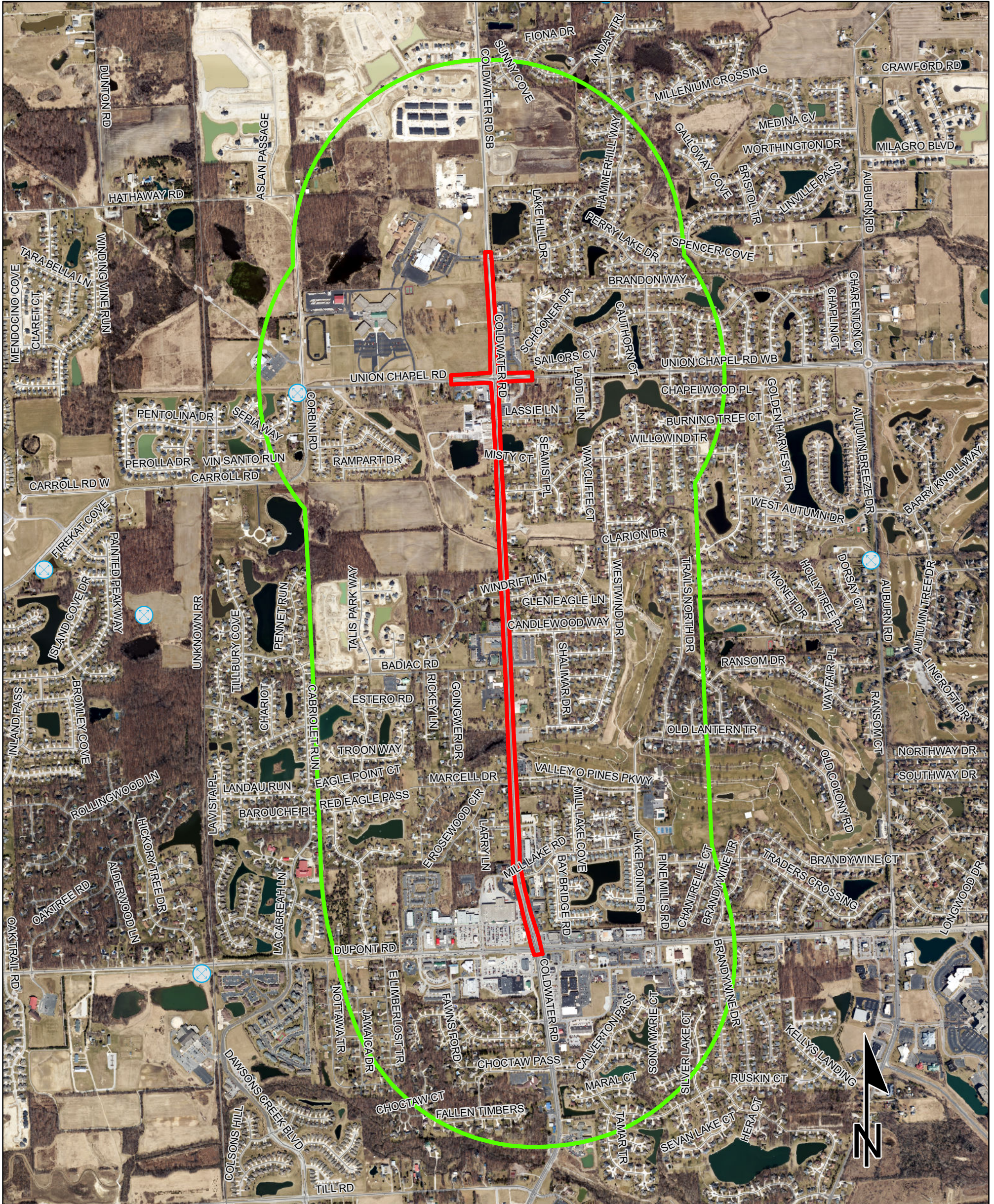
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



Red Flag Investigation - Mining/Mineral Exploration

Coldwater Road Road Widening

City of Fort Wayne, Allen County, Indiana



0.3 0.15 0 0.3
Miles

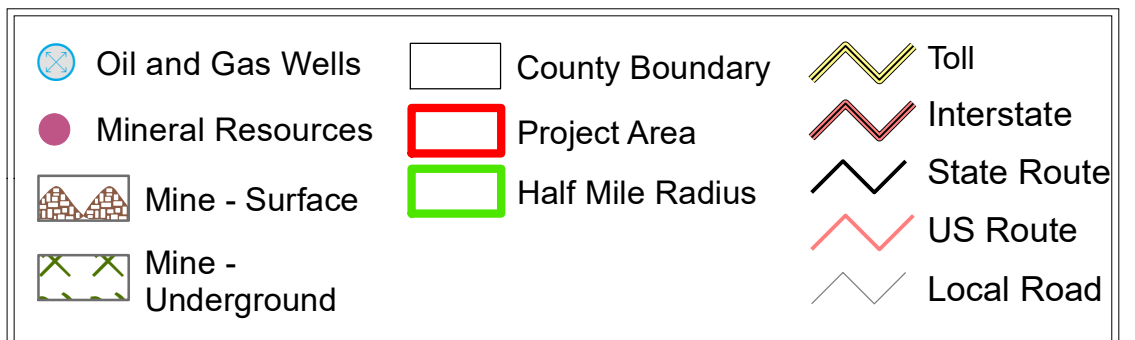
Sources:

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

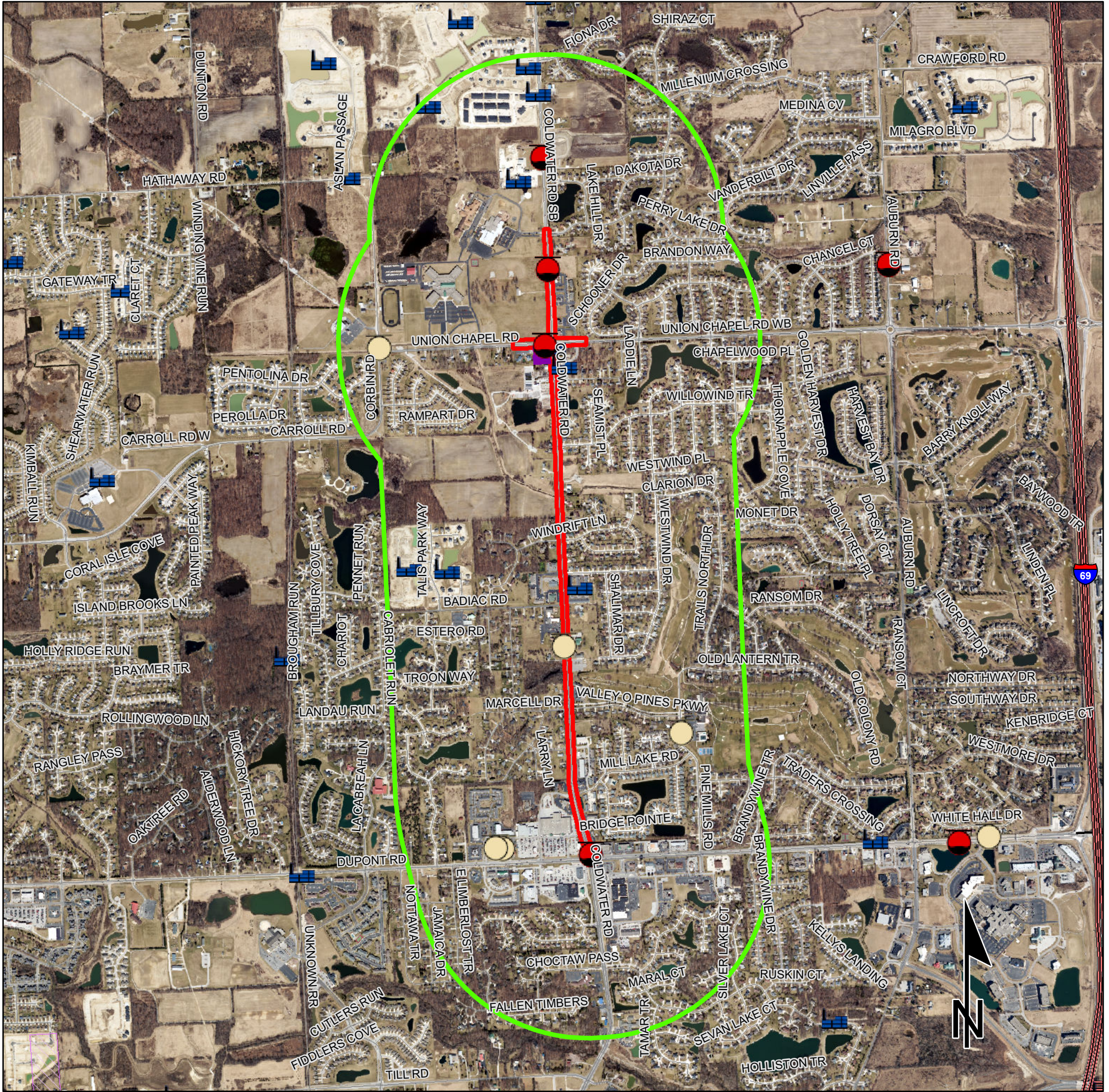
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



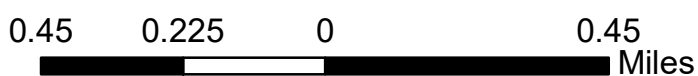
Red Flag Investigation - Hazardous Locations

Coldwater 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				



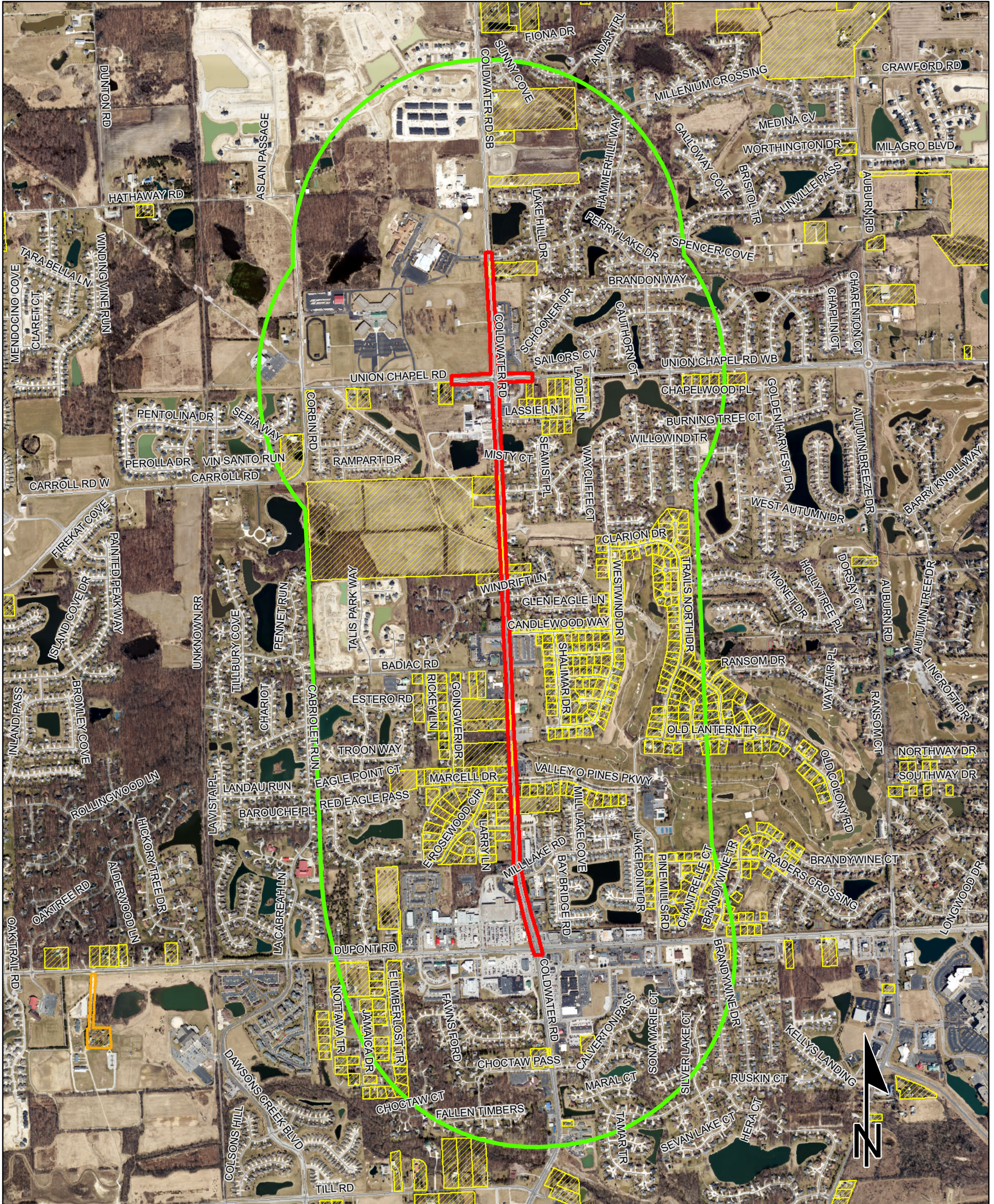
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

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

Coldwater Road Road Widening

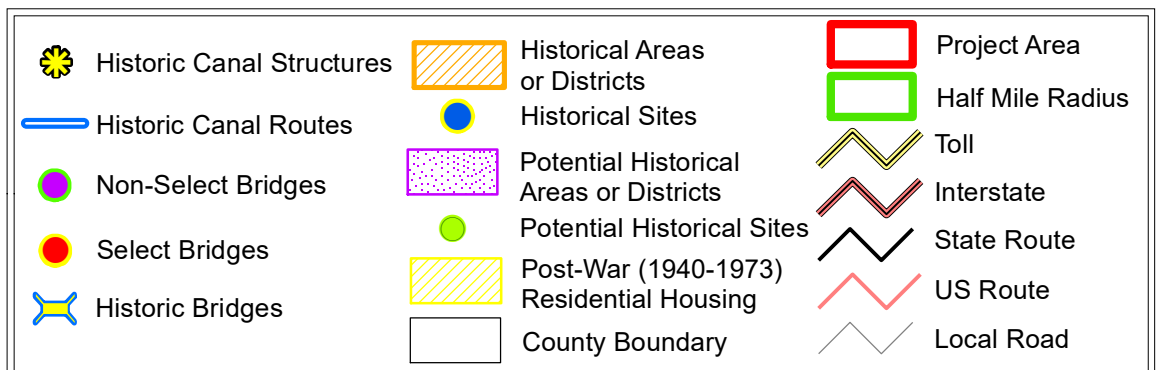
City of Fort Wayne, Allen County, Indiana



0.3 0.15 0 0.3
Miles

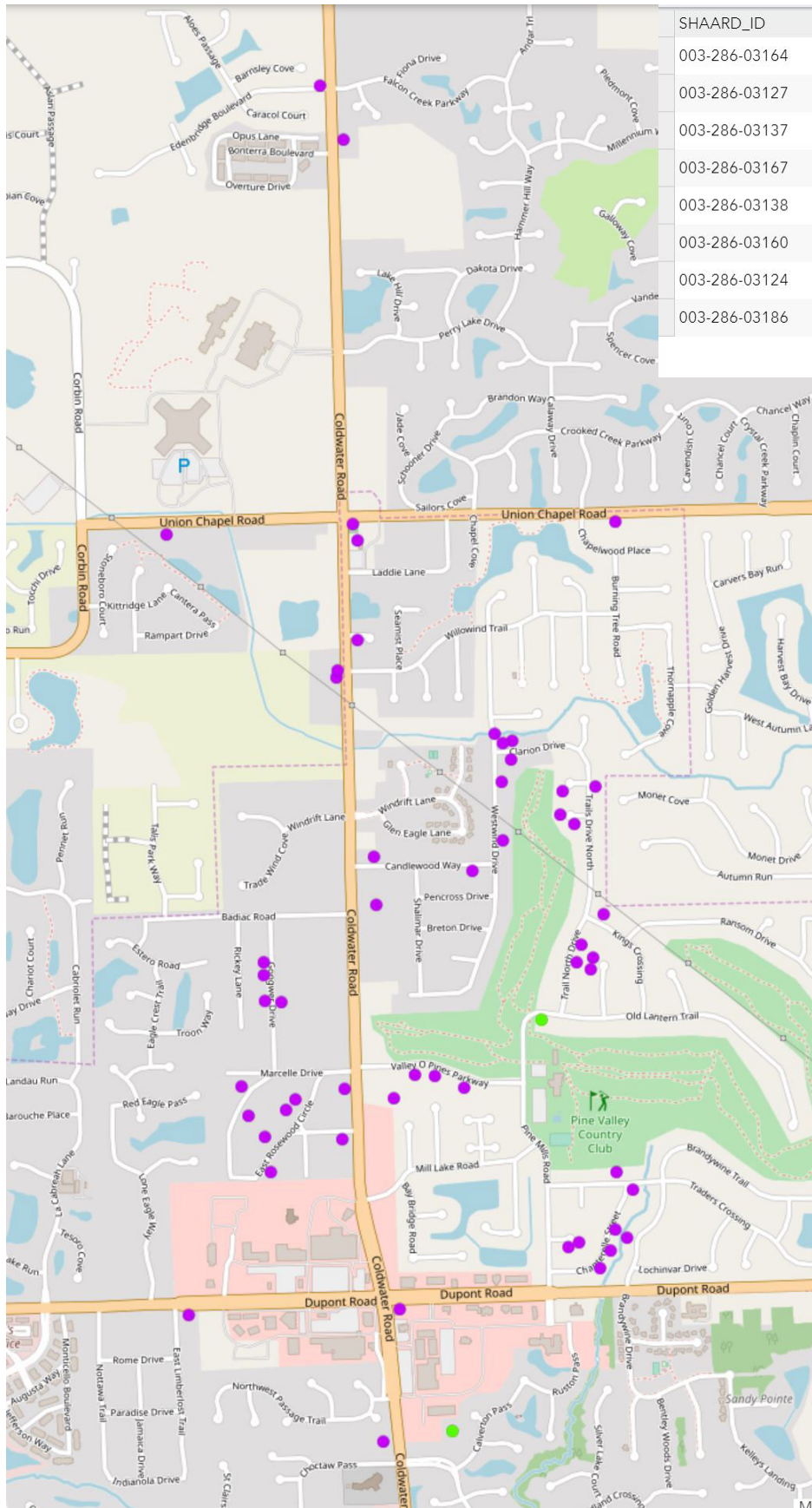
Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library, Allen County iMap, and the Northeastern Indiana Regional Coordinating Council
Orthophotography - (2018) Obtained from Allen County iMap

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Sites Identified within the Half Mile Radius

Sites Adjacent to Project



SHAARD_ID	HISTORICNAME	RATING
003-286-03164	School Number 8	Contributing
003-286-03127	House	Contributing
003-286-03137	House	Contributing
003-286-03167	Union Chapel	Contributing
003-286-03138	House	Contributing
003-286-03160	House	Contributing
003-286-03124	Union Chapel Cemetery	Contributing
003-286-03186	House	Contributing

About

Legend

- Cemeteries
- National Register Sites
- National Register Historic Districts

County Survey Sites <ul style="list-style-type: none"> Outstanding Notable Contributing Non-Contributing Demolished Unknown 	Historic Bridges <ul style="list-style-type: none"> Outstanding Notable Contributing Non-Contributing Demolished Unknown
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Users are encouraged to notify the DHPA about additions or corrections that may be necessary at SHAARDAdmin@dnr.IN.gov. Please include references or other documentation to substantiate requested changes or additions. New sites will be added to the database as they are received.

To learn more on how to use, search, and print from the Indiana Buildings, Bridges, and Cemeteries Map, read our [User Guide](#).

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
Ptychobranthus 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 Department of Natural Resources
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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

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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.

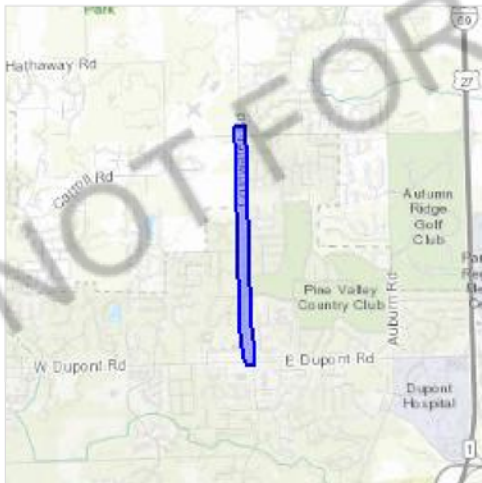
Project information

NAME

Coldwater Rd

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>

NOT FOR CONSULTATION

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. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. 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.)
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

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 (—)

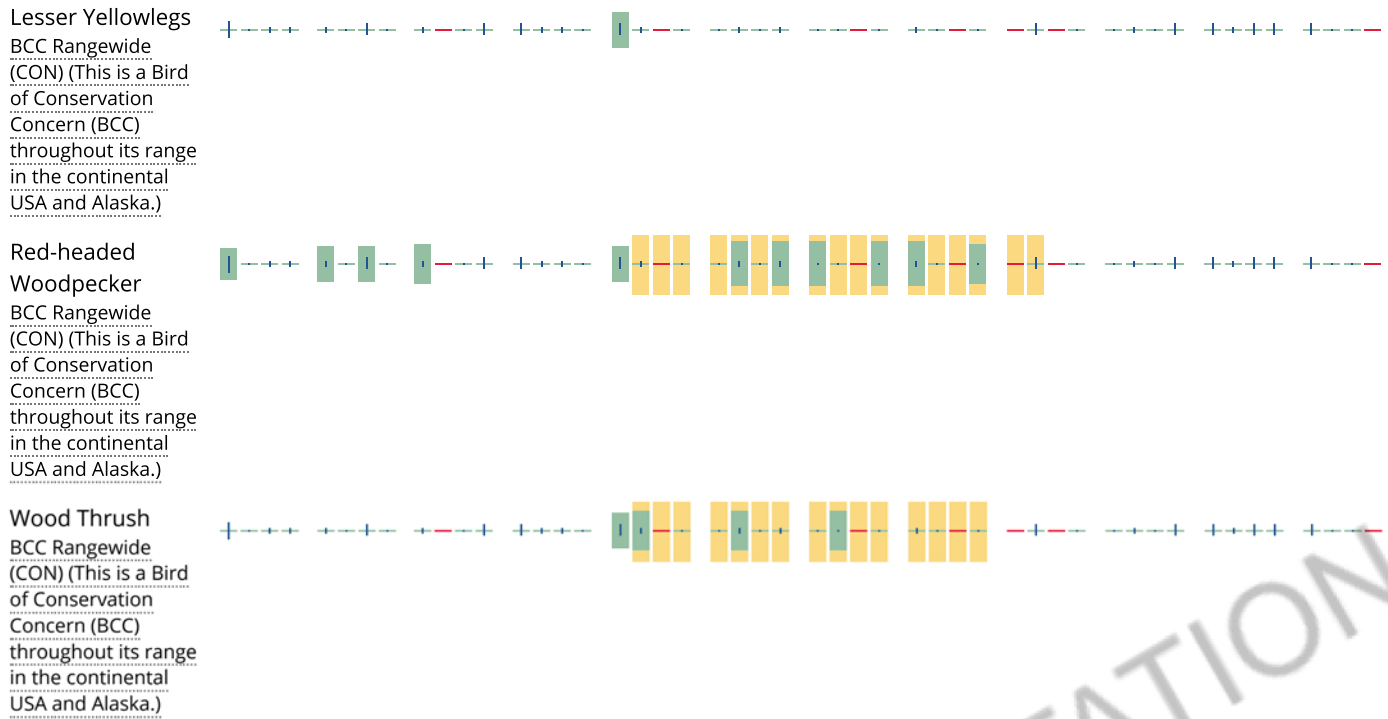
A week is marked as having no data if there were no survey events for that week.

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.

■ probability of presence ■ breeding season | survey effort — no data

SPECIES JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



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 to 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

[PSS1/EM1F](#)

[PSS1/EM1C](#)

FRESHWATER POND

[PUBGx](#)

RIVERINE

[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.

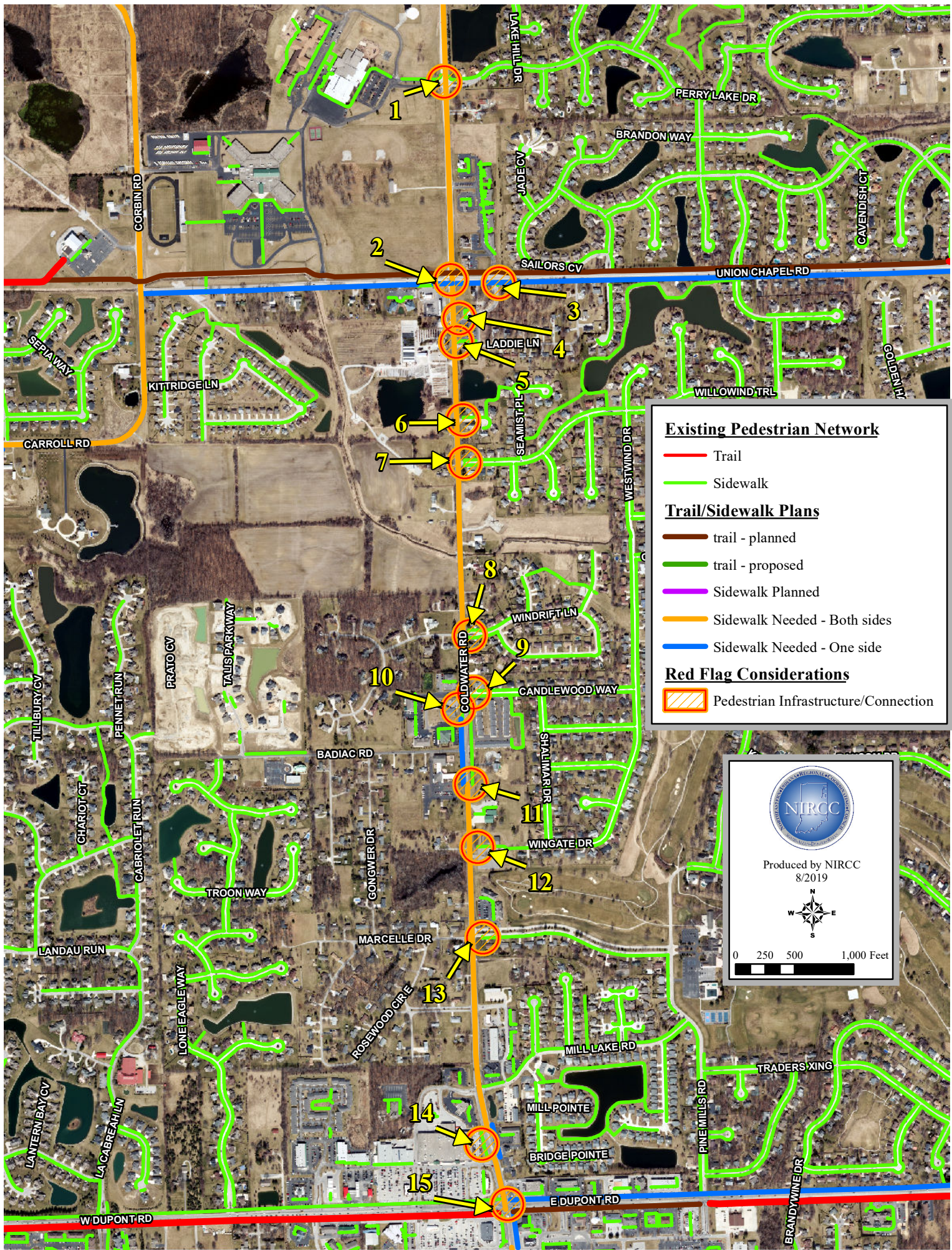
Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

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.



Existing Pedestrian Network

- Trail
- Sidewalk

Trail/Sidewalk Plans

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

Red Flag Considerations

- Pedestrian Infrastructure/Connection

Produced by NIRCC
8/2019

0 250 500 1,000 Feet

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

8/28/2019

Coldwater Road

500' buffer

Service Area	Contact	Phone	Address
AMERICAN ELECTRIC POWER	J. Jay Marlow	(260) 408 - 3447	,
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
KEPS TECHNOLOGIES			
NIPSCO GAS (ANGOLA)	Dave Schaafsma		,
NIPSCO GAS (FORT WAYNE)	Dave Schaafsma		,
NIPSCO GAS (FORT WAYNE)	Dave Schaafsma		utilitycoordination@nisource.com
NIPSCO GAS (FORT WAYNE)	Dave Schaafsma		,
NIPSCO GAS (FORT WAYNE)	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
NORTHWEST ALLEN			
RVP FIBER COMPANY, LLC	Ryan Miedema	(616) 223 - 7144	201 Ionia Ave Sw Grand Rapids, MI 49503 rjmiedema@ussignal.com
ZAYO BANDWIDTH	John Senese	(317) 524 - 5711	625 East 11th Street Indianapolis, IN 46202 jsenese@zayo.com