

RED FLAG INVESTIGATION

Amstutz Road, Hosler Road Leo-Cedarville, Indiana (Allen County) Updated December 2019 (January 2018)

NARRATIVE

The Red Flag Investigation project area includes Amstutz Road from State Road 1 to north of Hosler Road and Hosler Road from west of Amstutz Road to east of State Road 1 (Leo Road).

Amstutz Road between State Road 1 and Hosler Road is a project listed in the Northeastern Indiana Regional Coordinating Council's (NIRCC) Transportation Improvement Program (TIP). The project is listed as a Road Reconstruction project with preliminary engineering beginning in fiscal year 2019 and construction to be determined.

The Town of Leo-Cedarville is seeking to improve vehicular and pedestrian/bicycle travel on Amstutz Road. The roadway is a two lane minor arterial roadway with turn lanes at Pioneer Village and at Leo Jr/Sr High School. Currently there is a four foot sidewalk located on the west side of Amstutz Road between Trading Post Road and (just south of) Running Deer Trail. The sidewalk then crosses over to the east side of Amstutz Road (with a pedestrian activated "Yield to Pedestrians" flashing signal) and continues north to connect with Hosler Road. A four foot sidewalk is located on the south side of Hosler Road from Amstutz Road to 125' west of State Road 1.

The Town of Leo-Cedarville is proposing to widen Amstutz Road to a three lane design, utilizing the middle lane as a two-way-left-turn lane. The Hosler Road intersection (at Amstutz Road) would also be widened to a three lane design to improve traffic flow. In addition, along Amstutz Road a five foot sidewalk would be constructed on one side of the road and on the opposite side an 8 foot trail would be constructed. A feasibility study for this project has been completed and can be found in the Appendix. There are no plans to improve Hosler Road between Amstutz Road and State Road 1 (other than the intersection at Amstutz Road). This section was included in the Red Flag Investigation for informational purposes only.

SUMMARY

Infrastructure			
Indicate the number of items of concern found within ½ mile, including an explanation why each item within the ½ mile radius will/will not impact the project. If there are no items, please indicate N/A:			
Religious Facilities	4	Recreational Facilities	3
Airports	N/A	Pipelines	2
Cemeteries	3	Railroads	N/A
Hospitals	N/A	Trails	2
Schools	4	Managed Lands/Parks	3
Museums	N/A		

Explanation:

- There are four “Religious Facilities” located within the half mile radius but only one facility is within the project area. The one religious facility located adjacent to the project area includes the following:
 - The Church of the Good Shepherd located at 14717 Amstutz Road, Leo. The site touches the western edge of the project area just south of Hosler Road. It may be affected by the project.
- There are three “Cemeteries” located within the half mile radius and two are located adjacent to the project area. The two cemeteries located adjacent to the project area includes the following:
 - Leo Memorial Cemetery. The site touches the most eastern edge of the project on Hosler Road. It may be affected by the project.
 - Saint Leo Roman Catholic Cemetery. The site touches the western edge of the project south of Hosler Road on Amstutz Road. It may be affected by the project.
- There are four “Schools” identified within a half mile radius of the project. Three of the schools are located adjacent to the project.
 - Leo Elementary School located at 10404 Hosler Road. The site touches the eastern edge of the project on the south side of Hosler Road. It may be affected by the project.
 - Leo Jr./Sr. high School located at 14600 Amstutz Road. The site touches the eastern edge of the project area south of Hosler Road on Amstutz Road. It may be affected by the project.
 - Rainbow Day Care located at 14621 Amstutz Rd. The site is located on the west side of Amstutz Rd. It may be affected by the project.
- There are three “Recreational Facilities” identified within a half mile radius of the project. The facilities are not adjacent to the project area. They will not be affected by the project.
- There are two “Pipelines” identified within a half mile radius of the project. Both of the pipelines touch the project and include:
 - Northern Indiana Fuel and Light Company have a pipeline that runs under Hosler Road between Wayne Street and Main Street and crosses underneath Amstutz Road south of Trading Post Road. It may be affected by the project.
 - The second pipeline owned by Northern Indiana Fuel and Light Company crosses under Amstutz Road between Hosler Road and the Leo Jr/Sr High School. It does not run adjacent to or cross the project area. It may be affected by the project.
- There are two “Trails” identified within a half mile radius of the project area. The trails are not directly adjacent to the project. They will not be affected by the project
- There are three “Managed Lands/Parks” within a half mile radius of the project area. The “Managed Lands/Parks” are not adjacent to or within the project area. They will not be affected by the project.

Water Resources			
Indicate the number of items of concern found within ½ mile, including an explanation why each item within the ½ mile radius will/will not impact the project. If there are no items, please indicate N/A:			
NWI - Wetlands	26	IDEM 303d Listed Lakes (impaired)	1
Karst Springs	N/A	Lakes	6
Canal Structures – Historic	N/A	Floodplain - DFIRM	Yes
IDEM 303d Listed Rivers and Streams (Impaired)	N/A	Cave Entrance Density	N/A
Rivers and Streams	8	Sinkhole Areas	N/A
Canal Routes - Historic	N/A	Sinking-Stream Basins	N/A
Outstanding Rivers (Special Interest Waterways)	N/A	Line of Protection	N/A
*High Capacity Wells (Wellhead Protection Areas)	N/A	National River Inventory (NRI)	N/A

Explanation:

- There are twenty-six “(National Wetland Inventory) NWI – Wetlands” within the half mile radius. Only three of the potential wetlands are adjacent to or near the project area. They include the following:
 - Two potential wetlands are located adjacent to Amstutz Road. One is located on the east side between the intersections with Hosler Road and State Road 1 and the other is located on the east side of the road north of Hosler Road. They may be affected by the project.
 - One potential wetland, the Cedarville Reservoir, touches both the east side of Amstutz Road and the most eastern portion of Hosler Road. It may be affected by the project.
- There are eight “Rivers and Streams” identified within the half mile radius. One stream crosses the project area. It includes the following:
 - The Beightle-Nettlehorst Drain, discharging into the St. Joseph River, runs perpendicular to the project area between Hosler Road and State Road 1. It may be affected by the project.
- There is one lake listed as impaired by the Indiana Department of Environmental Management.
 - The Cedarville Reservoir is impaired. It may be affected by the project.
- There are six “Lakes” identified within the half mile radius. All but one lake are small retention ponds. One of the six “Lakes”, the Cedarville Reservoir, is located near the project area. It is located on the east side of the project area touching both Hosler Road and Amstutz Road. It may be affected by the project.
- There is a floodplain identified within the half mile radius of the project area. The floodplain touches the project area at the far east end of the project area on Hosler Road and runs perpendicular to Amstutz Road halfway between Hosler Road and State Road 1. The floodplain may be affected by the project.

Mining/Mineral Exploration			
Indicate the number of items of concern found within ½ mile, including an explanation why each item within the ½ mile radius will/will not impact the project. If there are no items, please indicate N/A:			
Petroleum Wells	N/A	Petroleum Fields	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

There are no mining/mineral exploration concerns within the half mile radius of the project location.

Hazmat Concerns			
Indicate the number of items of concern found within ½ mile, including an explanation why each item within the ½ mile radius will/will not impact the project. If there are no items, please indicate N/A:			
Brownfield Sites	N/A	Restricted Waste Sites	N/A
Corrective Action Sites (RCRA)	N/A	Septage Waste Sites	N/A
Confined Feeding Operations	N/A	Solid Waste Landfills	N/A
Construction Demolition Waste	N/A	State Cleanup Sites	N/A
Industrial Waste Sites (RCRA Generators)	N/A	Tire Waste Sites	N/A
*Infectious/Medical Waste Sites	N/A	Waste Transfer Stations	N/A
Lagoon/Surface Impoundments	N/A	RCRA Waste Treatment, Storage, and Disposal Sites (TSDs)	N/A
Leaking Underground Storage Tanks (LUSTs)	2	Underground Storage Tanks (USTs)	6

<i>Hazmat Concerns continued</i>			
Manufactured Gas Plant Sites	N/A	Voluntary Remediation Program	N/A
NPDES Facilities	N/A	Superfund	N/A
NPDES Pipe Locations	N/A	Institutional Control Sites	N/A
Open Dump Sites	N/A		

Explanation:

- There are two “Leaking Underground Storage Tanks (LUSTs)” identified within the half mile radius. One LUST is in the project area, it is located on the southwest corner of SR 1 and Hosler Rd with agency ID 2347. Tanks and all associated piping was removed and scrapped 8-1-1986. There are no records indicating if there were any leaks or contamination due to these older tanks. New tanks were installed 8-5-1986 in a different location. According to the Virtual File Cabinet these new tanks are in compliance and work properly. However, the older tanks removed on 8-1-1986 were located closer to the intersection and since these predate 1990 it is recommended that further investigation or testing may be required in case there was contamination to these areas. If contamination does exist, and excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- There are six “Underground Storage Tanks (UST)” identified within the half mile radius. Only two USTs are adjacent to the project area.
 - One of the adjacent UST sites is at the Leo Junior Senior High School Facility at 14600 Amstutz Rd with Agency Interest ID 3150. IDEM conducted a UST inspection 9-21-16 and the facility was found to be in compliance. No impact is expected.
 - The second UST that appeared to be located adjacent to the project area was geographically located in the wrong location (should be located in Bloomington, IN) and will not affect the project.

Ecological Information

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 ETR species highlighted. There are four Federally Endangered, one threatened, and one candidate species listed. Due to the sensitive nature of identifying locations of threatened and endangered species, maps of these specific habitats are not provided.

Cultural Resources

The items below represent all properties or bridges within the half mile radius that have obtained any type of historic designation. The types of historic designation are: Indiana Historic Bridge Inventory, Fort Wayne Local Historic Districts, the Indiana State Register of Historic Places, the National Register of Historic Places, the Historic American Buildings Survey, and National Historic Landmark.

Historic Features			
Indicate the number of items of concern found within ½ mile, including an explanation why each item within the ½ mile radius will/will not impact the project. 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 Sites or Districts	N/A
Properties identified in the SHAARD database	48	Post-War Era (1940-1973) Residential Housing Sites	270

Explanation:

- There are three historic cemeteries located within ½ mile of the project area. One of them is not adjacent to the project area. It will not be affected by the project. Two of the cemeteries are located adjacent to the project area and consist of the following (see infrastructure map for locations of cemeteries):
 - The Leo Memorial cemetery is listed as “contributing” and is located on the east side of Leo Road, south side of Grabill Road. This property may be affected by the project.
 - The Saint Leo Roman Catholic, Saint Michaels cemetery is rated at “contributing” by the Indiana Historic Society and is located on the west side of Amstutz Road. This property may be affected by the project.
- There are forty-four historic sites rated as “contributing” and one historical site rated as “notable” within ½ mile of the project area. Thirty-eight properties are not located adjacent to the project area. They will not affect the project area. Seven properties are located adjacent to the project area and consist of the following (refer to the SHAARD GIS for a map of locations; <https://dnrmaps.dnr.in.gov/apps/shaardgis/>):
 - There is a historic house rated as “contributing” adjacent to the project area located at 9720 Hosler Road. The property may be affected by the project.
 - There is a historic house rated at “contributing” adjacent to the project area located at 10038 Hosler Road. The property may be affected by the project.
 - There is a historic house rated as “contributing” adjacent to the project area located at 10118 Hosler Road. The property may be affected by the project.
 - There is a historic house rated as “contributing” adjacent to the project area located at 10523 Hosler Road. The property may be affected by the project.
 - There is a historic house rated as “contributing” adjacent to the project area located at 14556 Amstutz Road. The property may be affected by the project.
 - There is a historic building, Grabill Bank, rated as “contributing” adjacent to the project area located at 13839 Amstutz Road. The property may be affected by the project.
 - There is a historic house rated as “contributing” adjacent to the project area located at 13801 Amstutz Road. The property may be affected by the project.
- Post-War Era (1940-1973) Residential Housing Sites: Two hundred seventy (270) Parcels that have residential housing built between 1940 and 1973 are located within the 0.5 mile search radius. Twenty-six (26) of these parcels are adjacent to the project area and may affect the project. These are individual parcels that are primarily metes and bounds type properties located along and accessing Amstutz Rd and Hosler Rd directly. Coordination with INDOT Cultural Resources Office may need to occur.

Pedestrian and Bus Stop Infrastructure

- 1) Ensure crosswalks are added with the project where sidewalks intersect with entrances to businesses and other facilities, and streets.
- 2) Sidewalk installation to connect with existing sidewalk on the south side of Hosler Road to State Road 1, approximately 125’ west of the intersection.
- 3) A crosswalk is needed at the intersection of State Road 1 and Hosler Road, on the west and north approach. Curb ramps should be modified to the appropriate ADA standards.
- 4) Ensure that the two current “Yield to Pedestrians” flashing signal crossings meet current ADA requirements.

SUMMARY/RECOMMENDATIONS

INFRASTRUCTURE: The Red Flag Investigation has identified twenty-one Infrastructure items within the half mile radius. Of the twenty-one items only eight may be affected by the project. These items include one Religious Facility (The Church of the Good Shepherd), two Cemeteries (Leo Memorial and Saint Leo Roman Catholic), three schools (Leo Elementary, Leo Jr/Sr High, and Rainbow Day Care), and two Pipelines (both are owned by Northern Indiana Fuel and Light Company).

WATER RESOURCES: A total of forty-two Water Resource items have been identified within the half mile radius. Only seven of the forty-two items may be affected by the project. The potential affected items include three Wetlands, one River and Stream (the Beightle-Nettlehorst Drain), one Lake and Impaired Lake (these are both the Cedarville Reservoir) and one Floodplain. Additional coordination should be conducted with the Allen County Surveyor's Office, the US Army Corps of Engineers, the Indiana Department of Environmental Management, the Department of Planning Services, and the Department of Natural Resources (for wetland permits).

MINING/MINERAL EXPLORATION: N/A

HAZMAT CONCERNS: Eight Hazmat items have been identified within the half mile radius. Of the eight items only two of the items may be affected by the project. The Underground Storage Tank (UST), is located east of Amstutz Road. No impact is expected. The Leaking Underground Storage Tank (LUST) near Hosler Road. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary. Further investigation and coordination should be conducted with the Indiana Department of Environmental Management (IDEM).

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 from the project.

HISTORIC FEATURES: The Red Flag Investigation identified forty-eight Cultural Resource items within the half mile radius. Further discussion with the Fort Wayne Historic Preservation Commission and Architecture and Community Heritage (ARCH) of Fort Wayne should be conducted to confirm that no additional properties have been identified from the time this report was developed and to determine if any of these properties will be impacted by the project. Two hundred and seventy (270) Post War Era Residential Housing Sites were identified. Twenty-six (26) of these parcels are adjacent to the project area and may affect the project. These are individual parcels that are primarily metes and bounds type properties located along and accessing Amstutz Rd and Hosler Rd directly. Coordination with INDOT Cultural Resources Office may need to occur.

PEDESTRIAN AND BUS STOP INFRASTRUCTURE: Four locations have been identified that require pedestrian infrastructure improvements, including crosswalks and new sidewalk installation. All existing sidewalks/trails in the project area that will not be replaced as part of the project, should be inspected to ensure that they meet current PROWAG standards. If existing sidewalks/trails do not meet current standards then they should be upgraded and improved. All new facilities must meet PROWAG requirements.

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Graphics:

A map for each report section with a ½ mile radius buffer around all project area(s) showing all items identified as possible items of concern is attached.

GENERAL SITE MAP SHOWING PROJECT AREA: YES

TOPOGRAPHIC MAP SHOWING THE PROJECT AREA: YES

INFRASTRUCTURE: YES

WATER RESOURCES: YES

MINING/MINERAL EXPLORATION: YES

HAZMAT CONCERNS: YES

HISTORICAL FEATURES: YES

CITY OR COUNTY INTERIM REPORT: NO

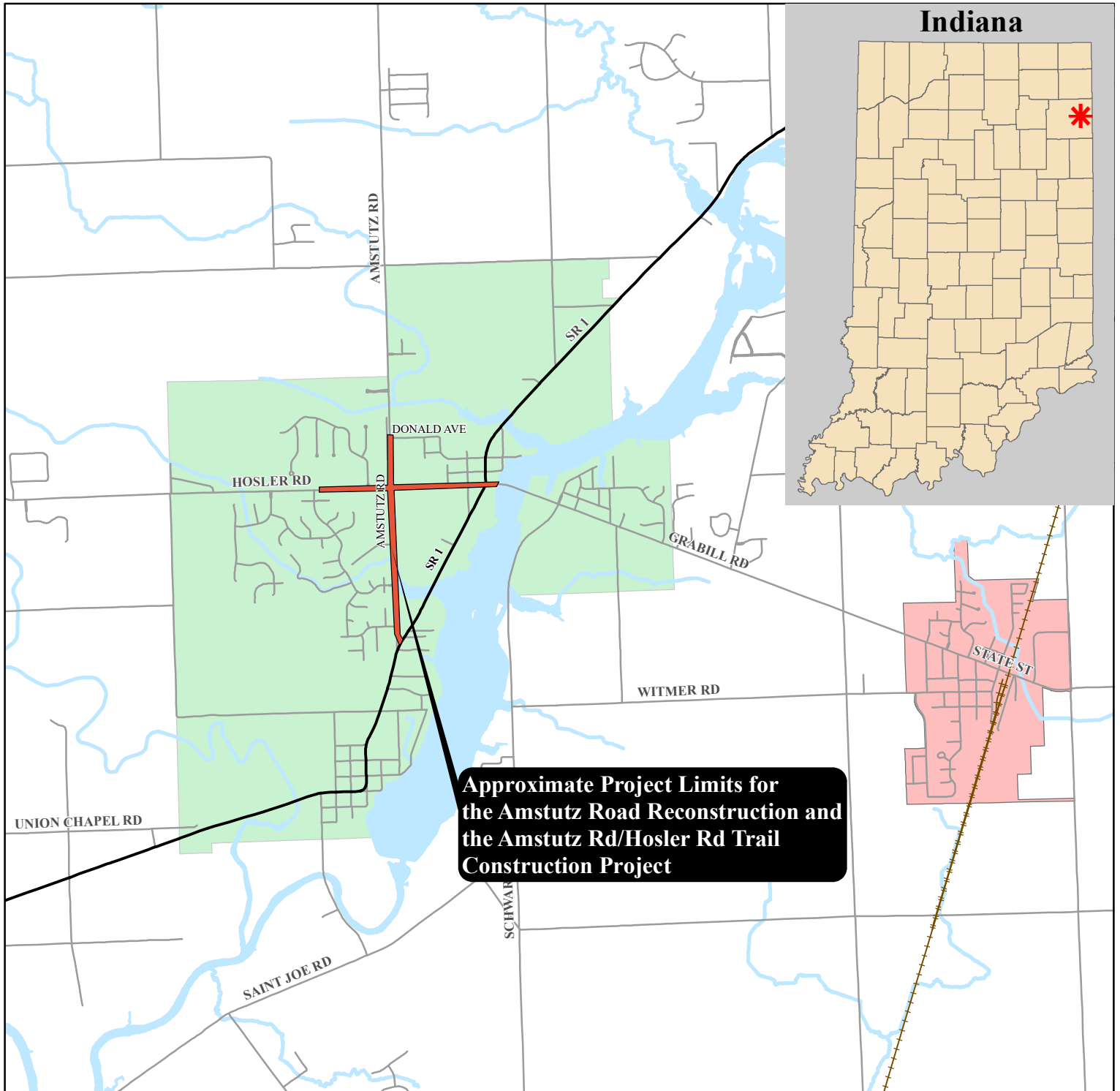
COUNTY LIST OF THREATENED AND ENDANGERED SPECIES: YES

PEDESTRIAN AND BUS STOP INFRASTRUCTURE: YES












Additional Information:

AMSTUTZ ROAD FEASIBILITY REPORT: ATTACHED

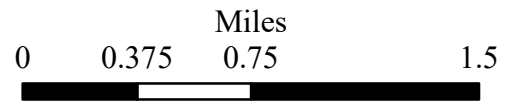
Red Flag Investigation - Project Location
 Amstutz Road Reconstruction and
 Amstutz Rd/Hosler Rd Trail Construction
 Allen County, Indiana



Legend

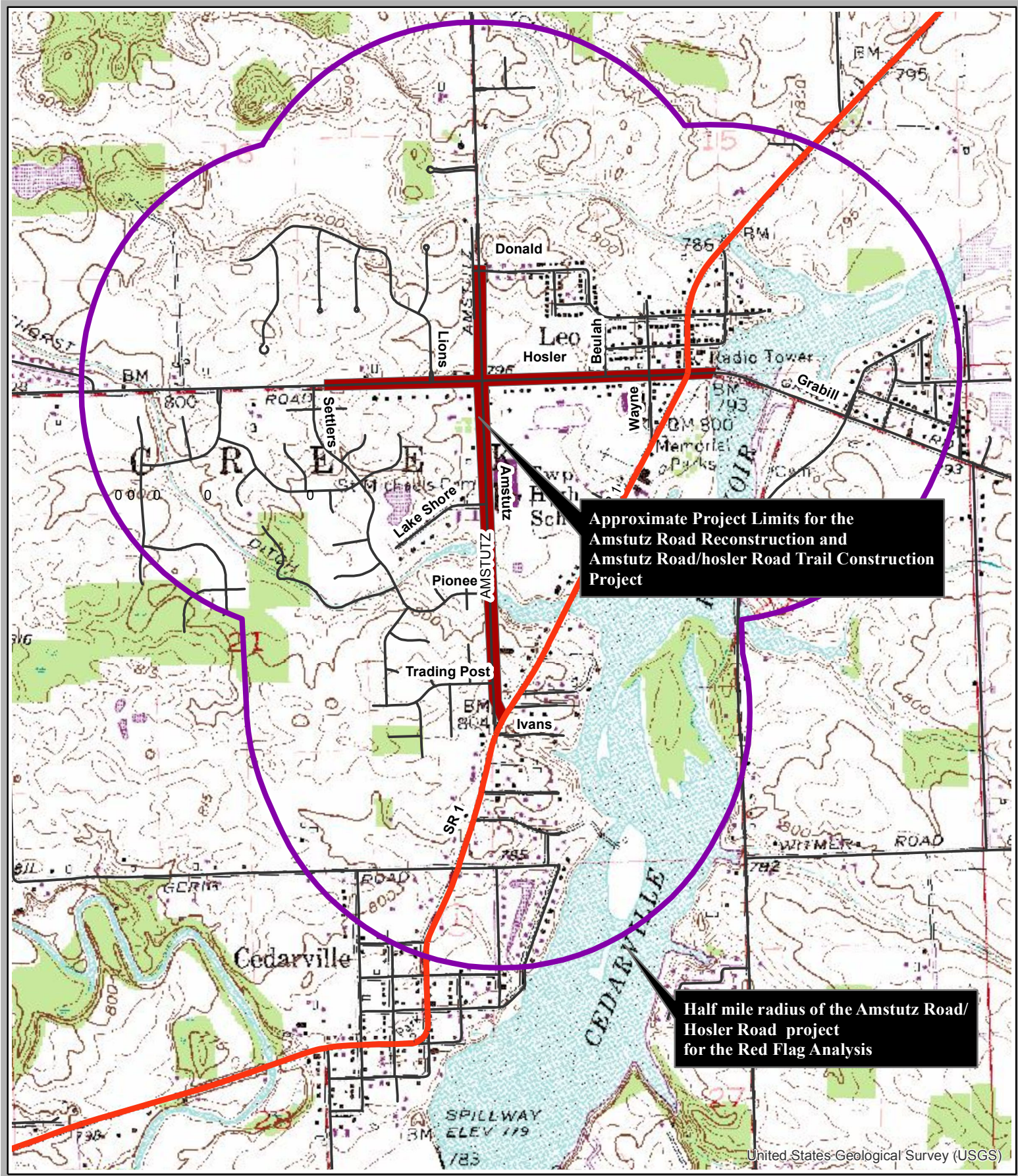
 Amstutz-Hosler Project Area	 Water
 Leo-Cedarville	 Railroad
 Grabill	 City of Fort Wayne
 Interstates	 City of New Haven
 State Route	
 US Route	
 Local Road	

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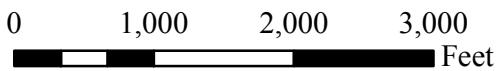


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Red Flag Investigation - Topographic Map
 Amstutz Road/ Hosler Road
 Allen County, Indiana
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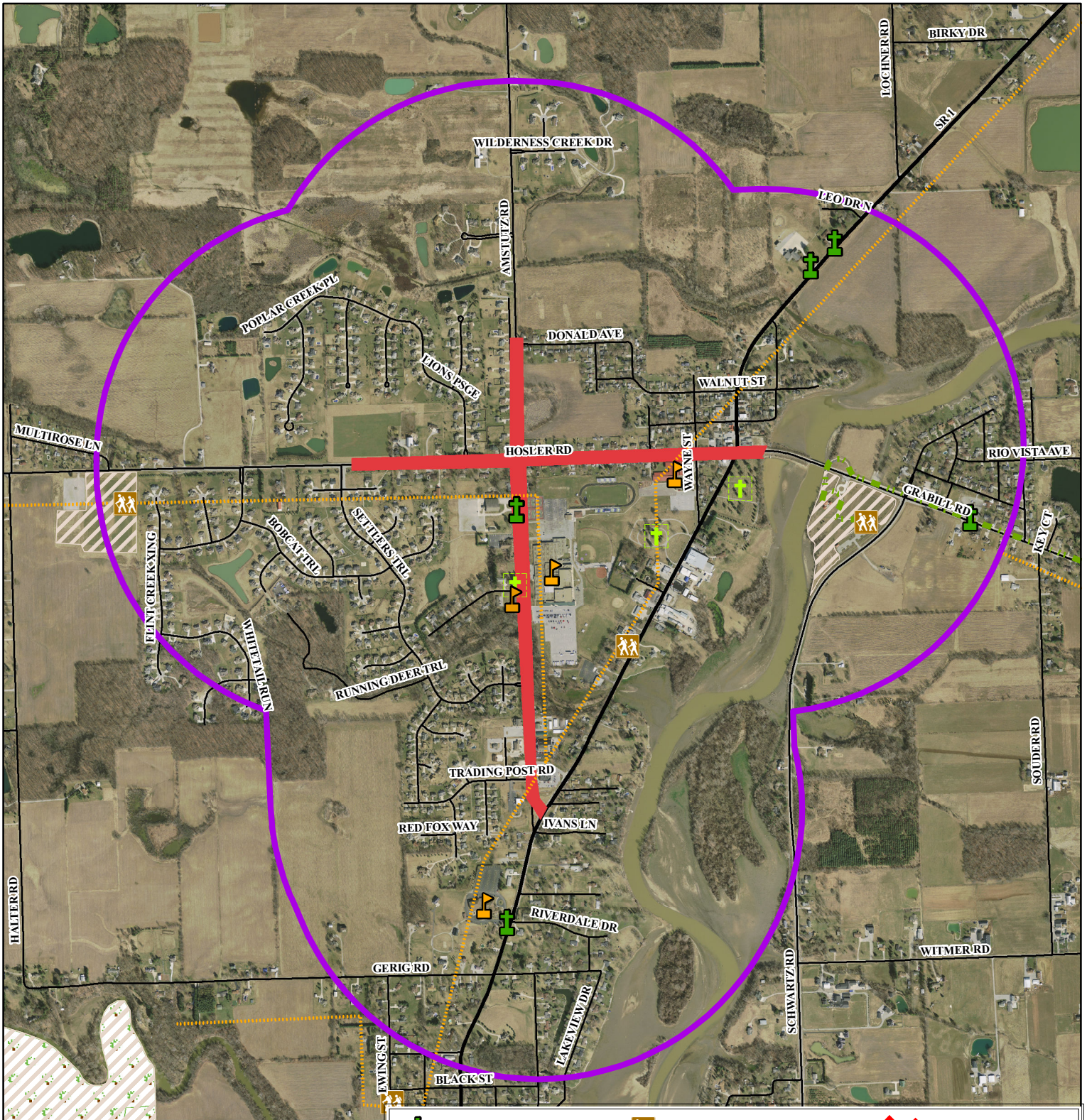


Red Flag Investigation - Infrastructure Map

Amstutz Road/Hosler Road

Road Reconstruction and Trail Construction

Allen County, Indiana



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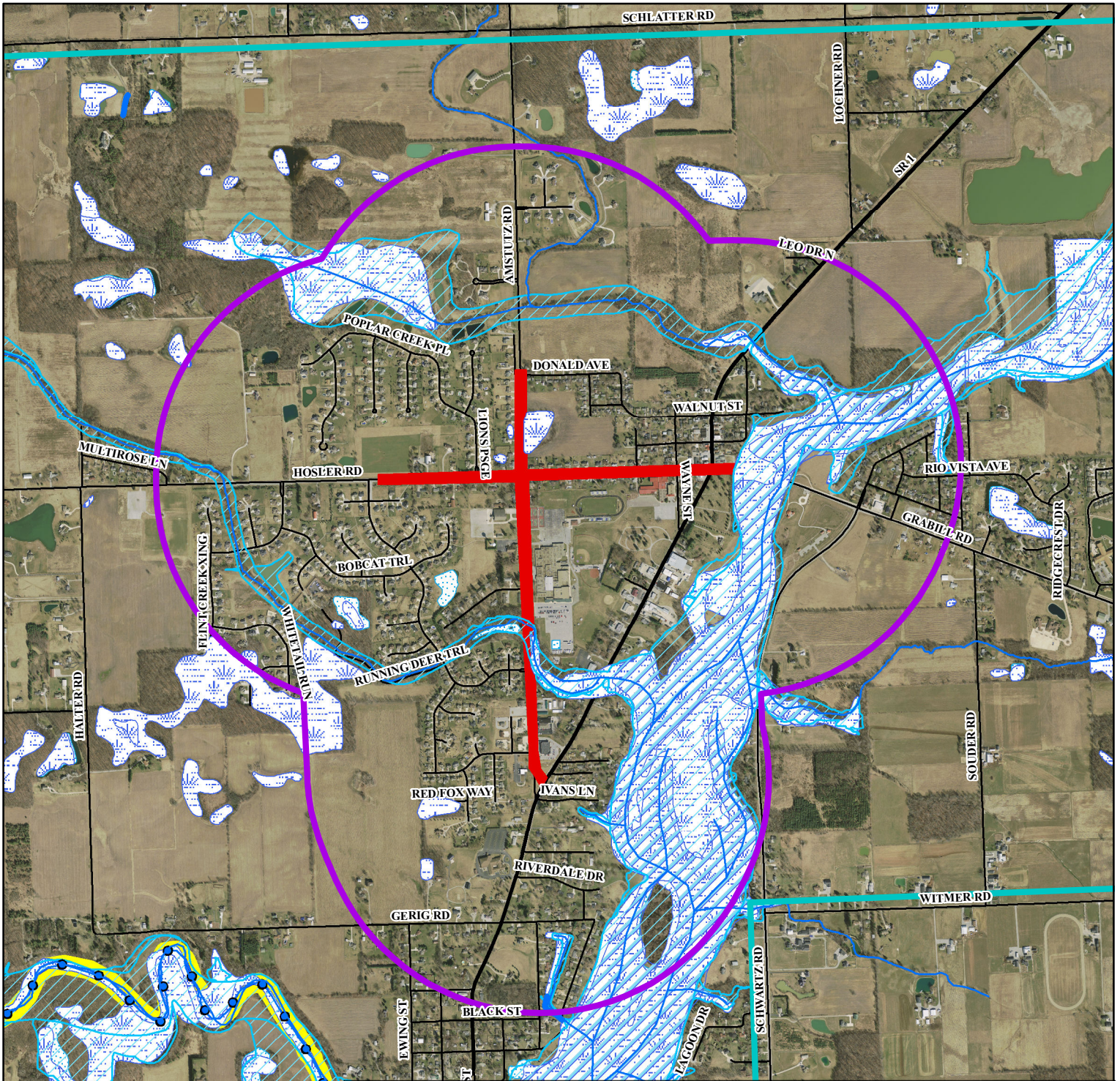


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	Religious Facilities		Recreational Facilities		Interstates
	Museums		Parks		State Route
	Schools		Trails		US Route
	Hospitals		Railroad		Local Road
	Cemeteries		Pipelines		Half Mile Buffer
	Airports		Managed Lands		Project Area
			County Boundary		

Red Flag Investigation - Water Resources Map
 Amstutz Road/Hosler Road
 Road Reconstruction and Trail Construction
 Allen County, Indiana



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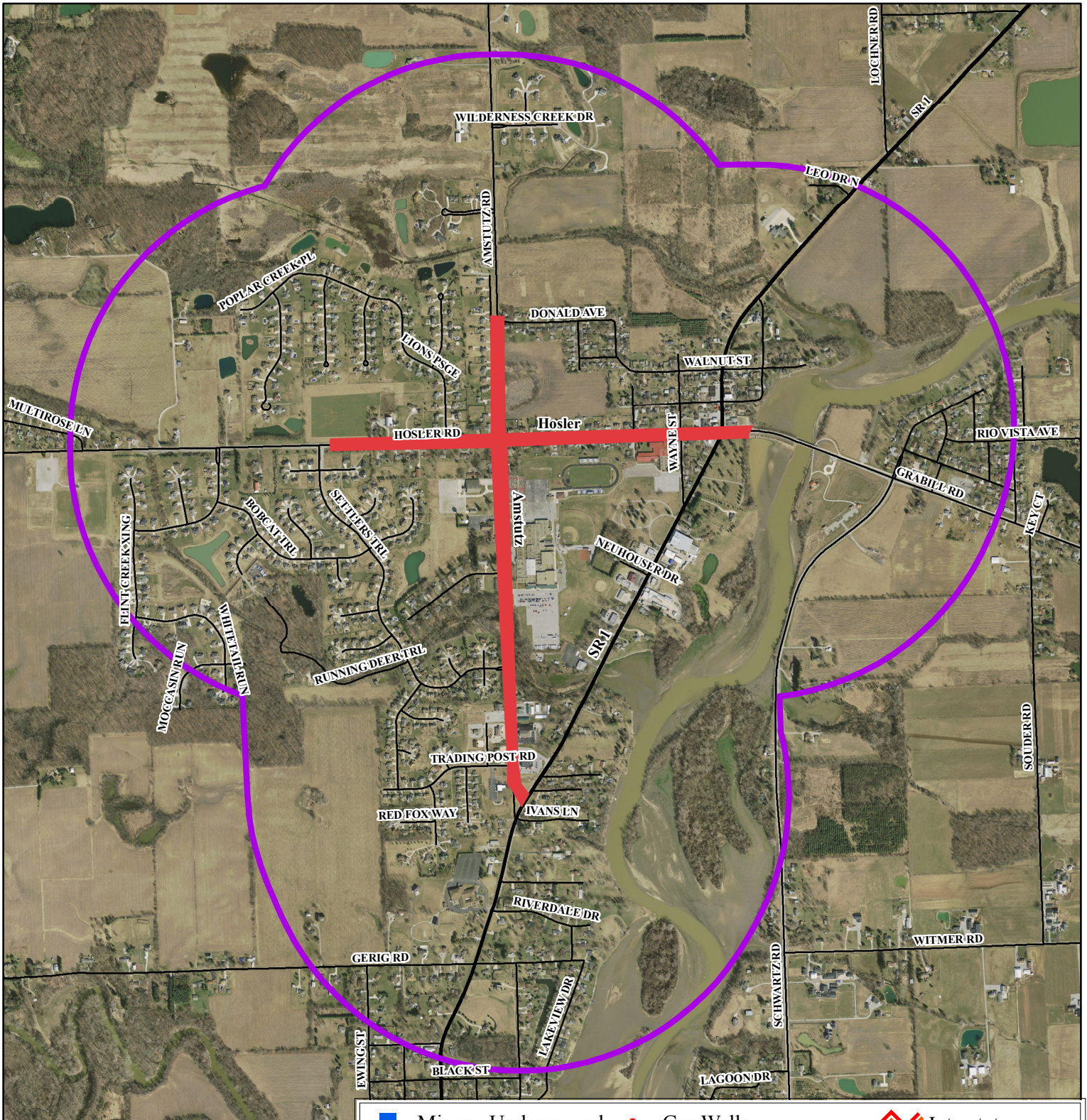


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Wetland Points	Historic Canal Route	Line of Protection
Wetland Lines	Historic Canal Structure	Interstates
Wetlands	Lake - Impaired	State Route
Floodplain	Karst Springs	US Route
Stream - Impaired	Cave Entrance Density	Local Road
Outstanding Rivers	Sinkhole Areas	Half Mile Buffer
National River Inventory (NRI)	Sinking-Stream Basins	Project Area
Linear Waterbody		UAB
Waterbody Areas		

Red Flag Investigation - Mining/Mineral Exploration Map
 Amstutz Road/Hosler Road
 Road Reconstruction and Trail Construction
 Allen County, Indiana



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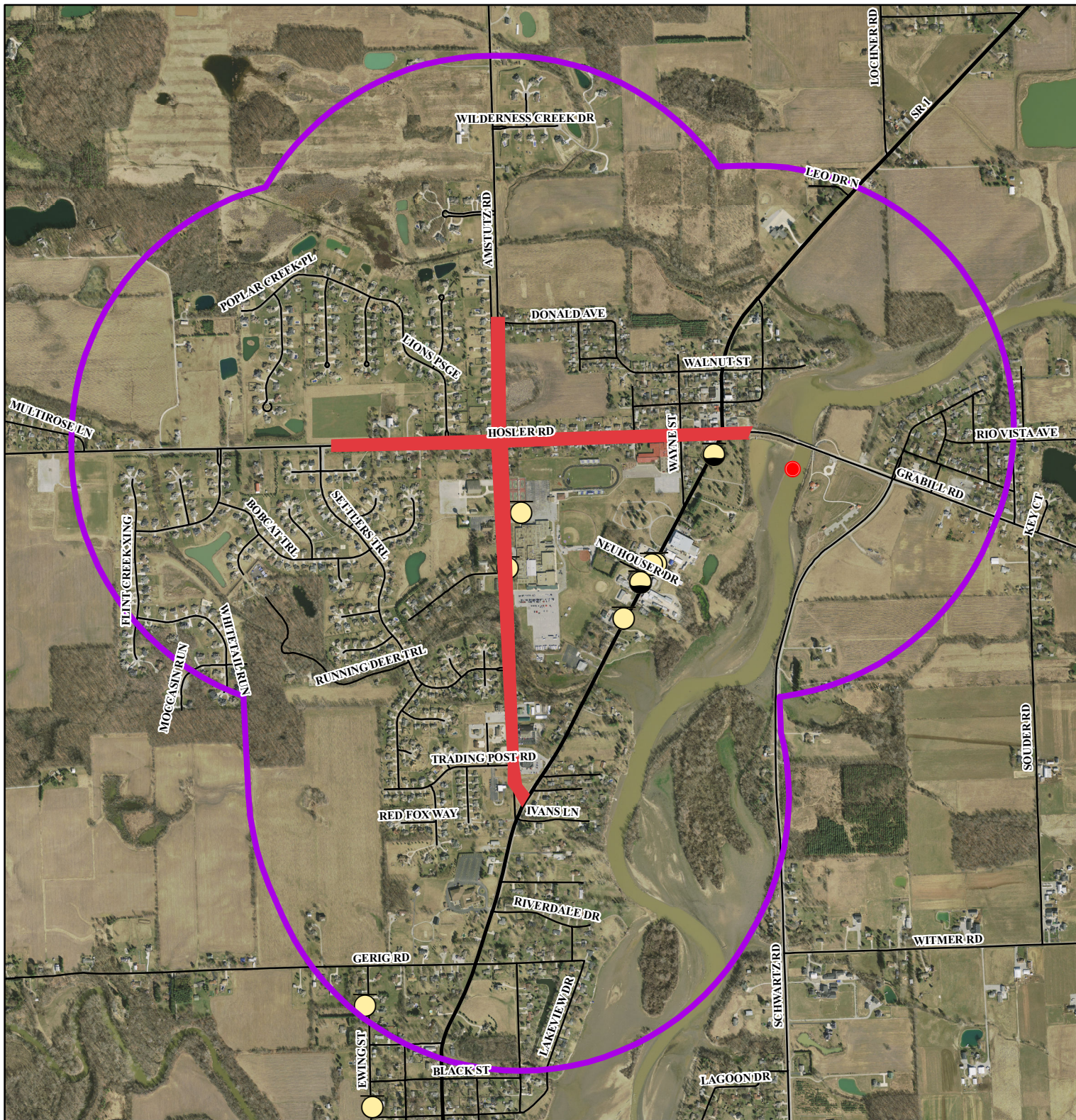


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Mines - Underground	Gas Wells	Interstates
Mines - Surface	Gas Storage Wells	State Route
Gas	Oil Wells	US Route
Oil	Service Wells	Local Road
Oil/gas	Stratigraphic Test Wells	Half Mile Buffer
	Dry Wells	Project Area
	Unknown Wells	

Red Flag Investigation - Hazmat Concerns Map
 Amstutz Road/Hosler Road
 Road Reconstruction and Trail Construction
 Allen County, Indiana



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***See next page for Map Legend**



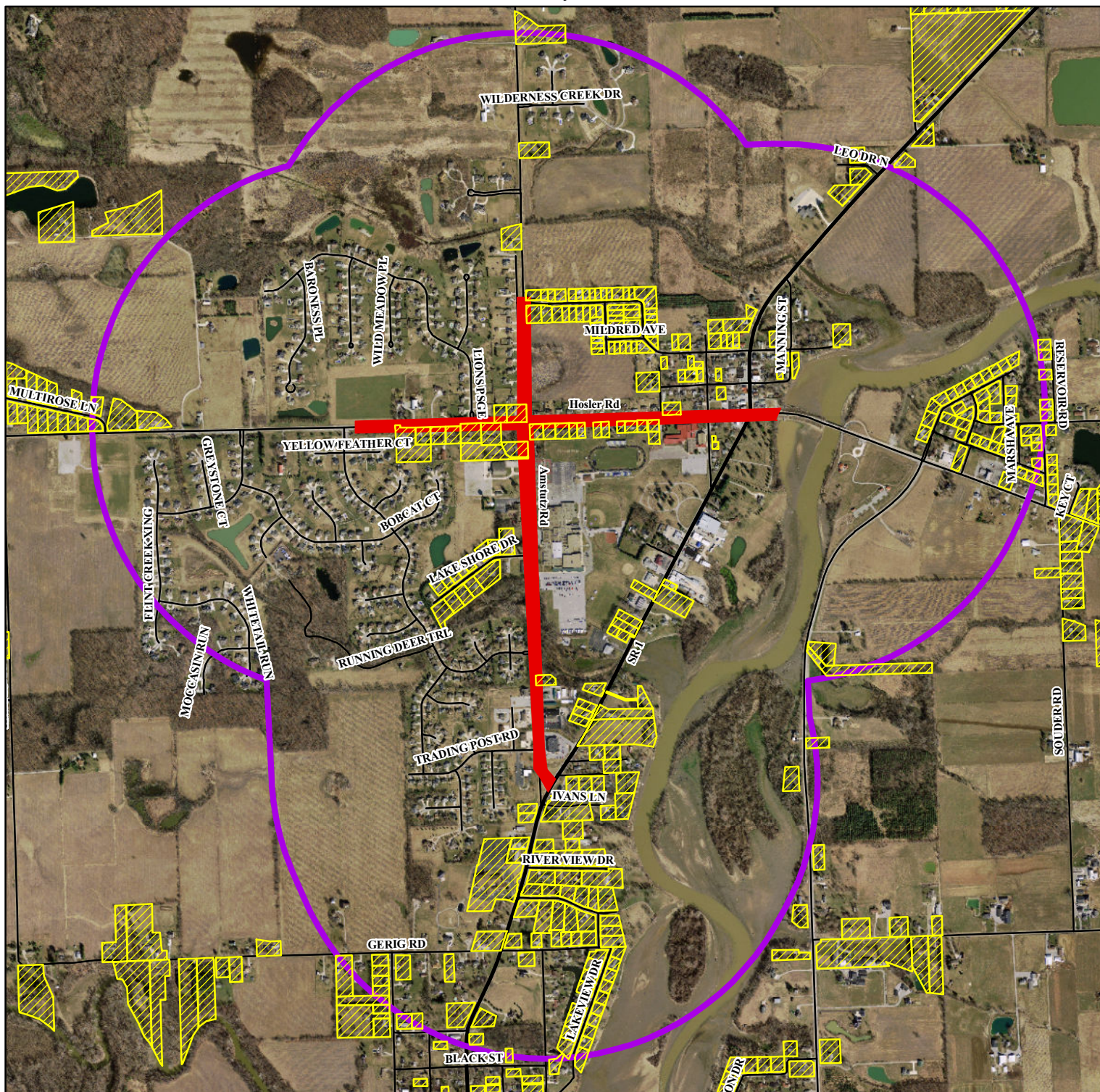
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Red Flag Investigation - Hazmat Concerns Legend
 Amstutz Road/Hosler Road
 Road Reconstruction and Trail Construction
 Allen County, Indiana

 Confined Feeding Operations	 Brownfields
 Industrial Waste Site	 State Cleanup Sites
 Waste Treatment Storage Disposal	 Voluntary Remediation Program Sites
 Waste Septage Sites	 Institutional Controls
 Waste Tire Sites	 Leaking Underground Storage Tank
 Construction Demolition Waste	 Underground Storage Tank
 Waste Solid Active Permitted	 Manufactured Gas Plants
 Composting Facilities	 IDEM303D_pt
 Open Dumps	 Waste Transfer Stations
 Waste Old Landfills	 Waste Restricted Sites
 Landfill Sites	 Interstates
 NPDES Facility	 State Route
 NPDES Pipe	 US Route
 Corrective Action Sites	 Local Road
 Superfund	 Half Mile Buffer
	 Project Area

Red Flag Investigation - Historical Features Map
 Amstutz Road/Hosler Road
 Road Reconstruction and Trail Construction
 Allen County, Indiana



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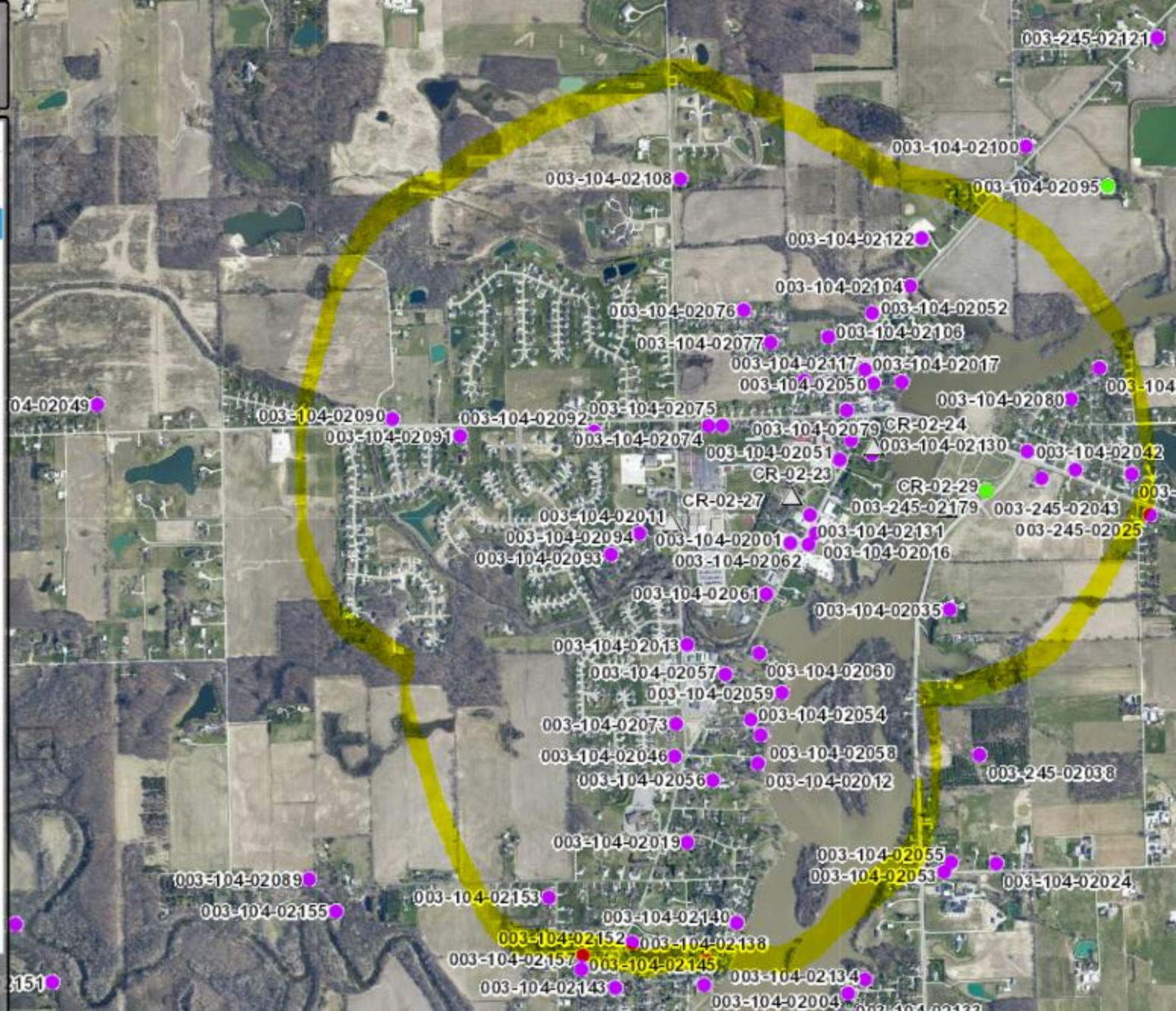
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	Potential Historic Canal Structures		Historical Areas or Districts
	Historic Canal Routes		Potential Historical Areas/Districts
	Non-Select Bridge		Interstates
	Select Bridge		State Route
	Historical Sites		US Route
	Potential Historical Sites		Local Road
	IHSSI Sites		Half Mile Buffer
	Post War Housing 1940-1973		Project Area

Historic Structures

- Cemeteries
- County Survey Sites
 - Outstanding
 - Notable
 - Contributing
 - Non-Contributing
 - Demolished
 - Unknown
- Historic Bridges
 - Outstanding
 - Notable
 - Contributing
 - Non-Contributing
 - Demolished
 - Unknown
- National Register Sites
- Historic Districts



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 torulosa rangiana	Northern Riffleshell	LE	SE	G2T2	SX
Lampsilis fasciola	Wavyrayed Lampmussel		SSC	G5	S3
Ligumia recta	Black Sandshell			G4G5	S2
Obovaria subrotunda	Round Hickorynut		SE	G4	S1
Pleurobema clava	Clubshell	LE	SE	G1G2	S1
Ptychobranhus fasciolaris	Kidneyshell		SSC	G4G5	S2
Quadrula cylindrica cylindrica	Rabbitsfoot	LT	SE	G3G4T3	S1
Toxolasma lividus	Purple Lilliput		SSC	G3Q	S2
Villosa fabalis	Rayed Bean	LE	SE	G2	S1
Insect: Odonata (Dragonflies)					
Tachopteryx thoreyi	Gray Petaltail		SR	G4	S2S3
Fish					
Moxostoma valenciennesi	Greater Redhorse		SE	G4	S2
Percina evides	Gilt Darter		SE	G4	S1
Amphibian					
Ambystoma laterale	Blue-spotted Salamander		SSC	G5	S2
Hemidactylium scutatum	Four-toed Salamander		SSC	G5	S2
Lithobates pipiens	Northern Leopard Frog		SSC	G5	S2
Reptile					
Clemmys guttata	Spotted Turtle		SE	G5	S2
Clonophis kirtlandii	Kirtland's Snake		SE	G2	S2
Emydoidea blandingii	Blanding's Turtle		SE	G4	S2
Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	G3G4T3Q	S2
Bird					
Asio flammeus	Short-eared Owl		SE	G5	S2
Bartramia longicauda	Upland Sandpiper		SE	G5	S3B
Buteo lineatus	Red-shouldered Hawk		SSC	G5	S3
Buteo platypterus	Broad-winged Hawk		SSC	G5	S3B
Certhia americana	Brown Creeper			G5	S2B
Circus cyaneus	Northern Harrier		SE	G5	S2
Cistothorus palustris	Marsh Wren		SE	G5	S3B
Dendroica cerulea	Cerulean Warbler		SE	G4	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

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
Phalaropus tricolor	Wilson's Phalarope		SSC	G5	SHB
Sturnella neglecta	Western Meadowlark		SSC	G5	S2B
Tyto alba	Barn Owl		SE	G5	S2
Wilsonia citrina	Hooded Warbler		SSC	G5	S3B
Mammal					
Taxidea taxus	American Badger		SSC	G5	S2
Vascular Plant					
Andromeda glaucophylla	Bog Rosemary		SR	G5	S2
Armoracia aquatica	Lake Cress		SE	G4?	S1
Chelone obliqua var. speciosa	Rose Turtlehead		WL	G4T3	S3
Circaea alpina	Small Enchanter's Nightshade		SX	G5	SX
Coeloglossum viride var. virescens	Long-bract Green Orchis		ST	G5T5	S2
Crataegus succulenta	Fleshy Hawthorn		SR	G5	S2
Euphorbia obtusata	Bluntleaf Spurge		SE	G5	S1
Phlox ovata	Mountain Phlox		SE	G4	S1
Platanthera psychodes	Small Purple-fringe Orchis		SR	G5	S2
Poa alsodes	Grove Meadow Grass		SR	G4G5	S2
Scutellaria parvula var. parvula	Small Skullcap		SE	G4T4	S1
Spiranthes lucida	Shining Ladies'-tresses		SR	G5	S2
Spiranthes magnicamporum	Great Plains Ladies'-tresses		SE	G4	S1
High Quality Natural Community					
Forest - flatwoods black swamp	Black Swamp Flatwoods			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	Dry Upland Forest		SG	G4	S4
Forest - upland dry-mesic	Dry-mesic Upland Forest		SG	G4	S4
Forest - upland mesic	Mesic Upland Forest		SG	G3?	S3
Lake - pond	Pond		SG	GNR	SNR
Prairie - dry-mesic	Dry-mesic Prairie		SG	G3	S2
Wetland - marsh	Marsh		SG	GU	S4
Wetland - swamp forest	Forested Swamp		SG	G2?	S2
Wetland - swamp shrub	Shrub Swamp		SG	GU	S2
Other Significant Element					
Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade	Water Fall and Cascade			GNR	SNR

Indiana Natural Heritage Data Center
Division of Nature Preserves
Indiana Department of Natural Resources
This data is not the result of comprehensive county surveys.

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