

Lead Des 1800082
Appendix E
Red Flag Investigation



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room 758-ES
Indianapolis, Indiana 46204

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Eric Holcomb, Governor
Joe McGuinness,
Commissioner

Date: May 28, 2021

To: Site Assessment & Management
Environmental Policy Office - Environmental Services Division (ESD)
Indiana Department of Transportation
100 N Senate Avenue, Room 758-ES
Indianapolis, IN 46204

From: Victoria Veach, SJCA Inc.
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Re: RED FLAG INVESTIGATION
Des 1800082 (Lead), Des 1800272, Des 2001610
Corridor Improvement Project, Small Structure Project, Bridge Project
US 31, from 4.35 miles north of SR 44/SR 144 to 1.05 miles south of SR 44/SR 144
Johnson County, Indiana

PROJECT DESCRIPTION:

Brief Description of Project: The Indiana Department of Transportation (INDOT) with funding from the Federal Highway Administration (FHWA) intend to proceed with an corridor improvement project (Lead Des 1800082), a small structure project (Des 1800272), and a bridge rehabilitation project (Des 2001610) on US 31 in the City of Franklin, Johnson County, Indiana. The proposed project begins at the intersection of US 31 and Israel Lane approximately 4.35 miles north of SR 44/SR 144 and extends south to approximately 1.05 miles south of SR 44/SR 144. The total length of the project is approximately 5.59 miles. The corridor improvement portion of this project (Lead Des 1800082) intends to make modifications to intersections and signal patterns at 28 intersections along US 31 and to add curbs and gutters throughout the project corridor. Traffic patterns will be modified at 23 intersections. A table detailing the scope of work for each intersection involved in this project is attached to this report. Improvements to non-motorized transportation access will occur by updating and extending sidewalks, installing 10-foot wide paved trails parallel to both sides of US 31, and installing pedestrian crossing infrastructure at some intersections. This project also intends to replace the culvert carrying Canary Ditch under US 31 (Des 1800272) and to rehabilitate the structure carrying US 31 over Youngs Creek (Des 2001610) in order to accommodate the proposed paths crossing each structure.

Bridge and/or Culvert Project: Yes No Structure: 031-41-03534 (Des 1800272, Culvert, Canary Ditch); 031-41-07875 NBL & SBL (Des 2001610, Bridge, Youngs Creek)

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

(Note: If the project involves a historical bridge, please include the bridge information in the Recommendations Section of the report).

Proposed right of way: Temporary # Acres 10.3 acres Permanent # Acres 3.3 acres Not Applicable

Type and proposed depth of excavation: Excavation will be required for the roadway work, slope grading along the roadside ditches, rehabilitation of the bridge carrying US 31 over Youngs Creek, and for replacement of the culvert carrying US 31 over Canary Ditch. The maximum depth of excavation is expected to be approximately 15 feet for the roadway work and approximately 5.5 feet for roadside ditch work. Construction of the trails will require excavation to approximately 18 inches deep. The maximum depth of excavation for the bridge rehabilitation is expected to be approximately 5 feet, and the maximum depth of excavation for the culvert replacement is expected to be approximately 23 feet.

Maintenance of traffic: A detour utilizing I-65 and CR 500 N will be required for through traffic, but the project area will remain open to local traffic.

Work in waterway: Yes No Below ordinary high water mark: Yes No

State Project: LPA:

Any other factors influencing recommendations: N/A

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Religious Facilities	10*	Recreational Facilities	9*
Airports ¹	1	Pipelines	9
Cemeteries	1	Railroads	5
Hospitals	N/A	Trails	9
Schools	5*	Managed Lands	N/A

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

Explanation:

Religious Facilities: Ten (10) religious facilities are within the 0.5 mile search radius. Six (6) facilities are mapped on the GIS data; four (4) were identified from a desktop review. One (1) religious facility, Turning Point Church, is located adjacent to the project area on the west side of US 31 approximately 0.28 mile north of Sloan Drive. Coordination with Turning Point Church will occur.

Airports: Although not located within the 0.5 mile search radius, one (1) public-use airport, Franklin Flying Field, is located within 3.8 miles (20,000 feet) of the project area. The public-use airport is located approximately 2.48 miles south of the project area; therefore, early coordination with INDOT Aviation will occur.

Cemeteries: One (1) cemetery is located within the 0.5 mile search radius. Greenlawn Cemetery is located adjacent to the project area in the northeast quadrant of the US 31 and South St. A Cemetery Development Plan may be required since this project is within 100 feet of the cemetery. Coordination with INDOT Cultural Resources is recommended. Coordination with INDOT Cultural Resources will occur.

Schools: Five (5*) schools are located within the 0.5 mile search radius. Four (4) schools are mapped on the GIS layer, while one (1) was identified through a desktop search. Two (2) schools, Northwood Elementary and Franklin Community Middle School, are located adjacent to the project area on the east side of US 31. These schools are adjacent to each other and are located between Clark St to the north and Banta St to the south. One (1) school, Earlywood Educational Services, is located approximately 0.04 mile east of the project area in the northeast quadrant of the intersection of US 31 and Earlywood Dr. Although the icon for Creekside Elementary School is mapped within the project area, the facility

is actually located approximately 1.2 miles west of the project area. Coordination with Northwood Elementary, Franklin Community Middle School, and Earlywood Educational Services will occur.

Recreational Facilities: Nine (9*) recreational facilities are located within the 0.5 mile search radius. Eight (8) facilities are mapped, while one (1) was identified through a desktop search. Four (4) recreational facilities are located adjacent to the project area: The Indiana Grand Slam Baseball/Softball Center, Franklin Community Middle School, Northwood Elementary School, and Blue Herron Park. The Indiana Grand Slam Baseball/Softball Center is located on the west side of US 31 approximately 0.32 mile north of Commerce Dr. Franklin Community Middle School and Northwood Elementary School are located adjacent to each other on the east side of US 31 between Clark St and Banta St. Blue Herron Park is located on the west side of US 31 in the northwest quadrant of the intersection of US 31 and Franklin Lakes Blvd. One (1) recreational facility, Earlywood Educational Services, is located approximately 0.04 mile east of the project area in the northeast quadrant of the intersection of US 31 and Earlywood Dr. Blue Herron Park is owned and managed by the City of Franklin Parks and Recreation Department. Coordination will occur with The Indiana Grand Slam Baseball/Softball Center, Franklin Community Middle School, Northwood Elementary School, Earlywood Educational Services, and the City of Franklin Parks and Recreation Department.

Pipelines: Nine (9) pipeline segments are located within the project area. One (1) pipeline segment is located adjacent to the project area on the southwest side of US 31 approximately 0.14 mile south of Nineveh Rd, one (1) passes through the project area approximately 0.09 mile north of Industrial Dr, and one (1) is located approximately 0.03 mile west of the project area at Sloan Dr. All segments are associated with Indiana Gas Co. Inc. Coordination with INDOT Utilities and Railroads should occur.

Railroads: Five (5) railroad segments are located within the 0.5 mile search radius. One (1) unknown and abandoned railroad segment is mapped crossing through the project area approximately 0.11 mile north of South St. There does not appear to be a railroad segment in this location. No impact is expected.

Trails: Nine (9) trail segments are located within the 0.5 mile search radius. Two (2) planned, two (2) potential, and two (2) open trails are located within the project area. Coordination with the Johnson County Plan Commission and the Franklin Parks and Recreation Department will occur.

WATER RESOURCES TABLE AND SUMMARY

Water Resources			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
NWI - Points	N/A	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	48
Canal Structures – Historic	N/A	Lakes	9
NPS NRI Listed	N/A	Floodplain - DFIRM	50
NWI-Lines	19	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	7	Sinkhole Areas	N/A
Rivers and Streams	16	Sinking-Stream Basins	N/A

Explanation:

NWI – Lines: Nineteen (19) NWI Line segments are located within the 0.5 mile search radius. Four (4) NWI Line segments are located within the project area. One (1) NWI line segment is associated with Canary Ditch and three (3) are associated with Youngs Creek. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

IDEM 303d Listed Streams and Lakes: Seven (7) 303d listed stream segments are located within the 0.5 mile search radius. Two (2) 303d listed stream segments, Young’s Creek and Canary Ditch, are located within the project area. One (1) 303d listed stream segment, Powell Ditch, is located approximately 0.01 mile west of the project area. Young’s Creek, Canary Ditch, and Powell Ditch are listed as impaired for *E. coli*. Workers who are working in or near water with *E. coli* should take care to wear appropriate PPE, observe proper hygiene procedures, including regular hand washing, and limit personal exposure.

Rivers and Streams: Sixteen (16) stream segments are located within the 0.5 mile search radius. Two (2) stream segments, Youngs Creek and Canary Ditch, are located within the project area. One (1) stream segment, Powell Ditch, is located approximately 0.01 mile west of the project area. A Waters of the US Report and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

NWI – Wetlands: Forty-eight (48) NWI Wetlands are located within the 0.5 mile search radius. Three (3) wetlands are located within the project area and one (1) wetland is located adjacent to the project area. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Lakes: Nine (9) lakes are located within the 0.5 mile search radius. The nearest lake is located adjacent to the project area. A Waters of the US Report will be prepared and coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Floodplains – DFIRM: Fifty (50) floodplain polygons are located within the 0.5 mile search radius. The project area is located within six (6) and adjacent to two (2) of the floodplain polygons. Coordination with INDOT ESD Ecology and Waterway Permitting will occur.

MINING AND MINERAL EXPLORATION TABLE AND SUMMARY

Mining/Mineral Exploration			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Petroleum Wells	1	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

Petroleum Wells: One (1) petroleum well is located within the 0.5 mile search radius. The nearest petroleum well is located approximately 0.36 mile east 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. If there are no items, please indicate N/A:			
Superfund	N/A	Manufactured Gas Plant Sites	1
RCRA Generator/ TSD	5	Open Dump Waste Sites	N/A
RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	3	Waste Transfer Stations	1
Septage Waste Sites	N/A	Tire Waste Sites	N/A
Underground Storage Tank (UST) Sites	15	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	1	Brownfields	8
Construction Demolition Waste	N/A	Institutional Controls	8
Solid Waste Landfill	N/A	NPDES Facilities	38
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	21
Leaking Underground Storage (LUST) Sites	22	Notice of Contamination Sites	N/A

Unless otherwise noted, site specific details presented in this section were obtained from documents reviewed on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC).

Explanation:

RCRA Generator/TSD: Five (5) RCRA Generator/TSD sites are located within the 0.5 mile search radius. The nearest facility, **KYB Manufacturing Incorporated (AI# 12610, 2625 N Morton St)**, is located adjacent to the project area. KYB Manufacturing Incorporated is a Large Quantity Generator of Hazardous Waste, as stated in an IDEM Office of Land Quality (OLQ) reported dated January 15, 2019. IDEM OLQ conducted an inspection of the facility on September 5, 2018; violations were noted and corrected during the inspection. No impact is expected.

State Cleanup Sites: Three (3) State Cleanup Sites are located within the 0.5 mile search radius. One (1) State Cleanup site, **Franklin Shoppes (AI# 34839, 1703 N Morton Ave)**, is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and N. Main St. This site is also listed as a Leaking Underground Storage Tank (LUST) site and is discussed in more detail in that section. According to a LUST incident report dated June 10, 1994, the site operated as a gas station between 1954 and 1978. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Before proper removal and disposal of soil and/or groundwater, analysis for lead will be necessary. The site reportedly has seven (7) orphan underground storage tanks on-site; the location of these tanks is unknown. If any of these tanks are encountered, coordination with INDOT SAM will occur.

Underground Storage Tank (UST) Sites: Fifteen (15) Underground Storage Tank Sites are located within the 0.5 mile search radius. There are ten (10) Underground Storage Tank Sites located adjacent to the project area.

- **Casey's General Store 3499 (FID# 25521, 3048 N Morton St)** is not mapped on the GIS layer, but is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Earlywood Drive. This site was constructed after 2015 and has operated as a gas station since 2016. IDEM conducted an Underground Storage Tank Inspection on June 4, 2020, and the site was found to be out of compliance with equipment,

operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.

- **Fletcher Chrysler Products Incorporated (AI# 29994, 3099 N Morton St)** is located adjacent to the project area in the southeast quadrant of the intersection of US 31 and Earlywood Drive. The site is currently a car dealership and has historically operated as a car dealership. An unknown number of tanks were removed from the site between 1986 and 1991. The tanks were removed by the previous owners of the facility, Wiese Buick-Pontiac; the date of removal is not known and no information regarding soil or groundwater analysis is available. It is likely these tanks were in operation pre-1980. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, petroleum contamination may be encountered. If contamination is encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Johnson County District Incorporated (AI# 31906, 2785 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.06 mile south of the intersection with International Drive. One (1) UST was removed from the site in 1986 and no further investigations were conducted. The tank closure documentation indicates that the tank was used to store gasoline pre-1980. In addition to petroleum contamination, it is likely that lead contamination will be encountered. If contamination is encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Kocolene Service Station 48 (AI# 31436, 2151 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.6 mile south of the intersection with Simon Drive. This site currently operates as a Shell Service Station. IDEM conducted a UST Inspection on June 29, 2020, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9. No documentation indicating that the violations were corrected is available. A release of petroleum product was reported to IDEM on January 29, 2021. On February 8, 2021, IDEM requested an initial site characterization (ISC) to determine the extent of any potential contamination. The results of this ISC were not available at the time this report was prepared. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Murphy USA No 6848 (AI# 35400, 2121 N Morton St)** is located adjacent to the project area on the east side of US 31 in the Walmart Supercenter Parking lot. IDEM conducted a UST Inspection on September 26, 2019, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.
- **Matlock Ford Mercury (AI# 31600, 2140 N Morton St)** is located adjacent to the project area on the west side of US 31 approximately 0.1 mile south of Simon Road. A UST Notification Form dated May 27, 1986 indicated that two (2) UST tanks were present on site. One (1) was currently in use to store used oil and one (1) empty tank had been permanently out of use since 1974. It is not known what was stored in this tank. Another UST Notification Form dated December 26, 1989 indicated that one (1) UST was removed from the site in 1988. It is not clear which tank was removed, and no further investigation was done. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, petroleum contamination may be encountered. If impacts are encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Bigfoot Amoco 85 (AI# 34209, 349 N Morton St)** currently operates as a Circle K gas station and is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and Adams St. The icon on the GIS layer is mapped incorrectly approximately 0.1 mile north of Adams St. IDEM conducted a UST Inspection on November 14, 2019, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.
- **Speedway 1319 (AI# 13714, 701 W Adams St)** is located adjacent to the project area in the southwest quadrant of the intersection of US 31 and Adams St. The icon on the GIS layer is mapped incorrectly in the southeast quadrant of the US 31 and Adams St intersection. IDEM issued a Return to Compliance letter dated January 7, 2020, confirming that the facility is in compliance with equipment, operating, and maintenance requirements set

forth in Indiana's UST Rule 329 IAC 9. Documentation reviewed does not indicate that a spill occurred while the site was out of compliance. No impact is expected.

- **Swifty Oil 183 (AI# 10981, 125 N Morton St)** currently operates as a BP and Fast Track convenience store and is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and Madison St. IDEM conducted a UST Inspection on September 12, 2019, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.
- **Wright's Car Wash, Inc (AI# 31557, 102 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Madison St. This site is also listed as a LUST site and is discussed in detail in that section.

Voluntary Remediation Program Sites: One (1) Voluntary Remediation Program Site is located within the 0.5 mile search radius. The nearest facility, **Former MGP (AI# 35747, 249 W. Jefferson St.)**, is a former Manufactured Gas Plant and is located approximately 0.27 mile east of the project area in the southeast quadrant of the intersection of Jefferson St and Walnut St. According to IDEM's response to the Second Quarter 2020 Groundwater Monitoring Report dated September 11, 2020, excavation and groundwater monitoring activities have been ongoing since 2018. Two zones of contamination (shallow and at a depth) appear to be remaining with contamination extending into Youngs Creek. If the depth of excavation associated with the Youngs Creek Bridge goes beyond 10 ft below ground surface (bgs), coordination with INDOT SAM will occur.

Leaking Underground Storage Tank (LUST) Sites: Twenty-two (22) LUST Sites are located within the 0.5 mile search radius. There are ten (10) Leaking Underground Storage Tanks located within or adjacent to the project area.

- **Davidson Industries Inc (AI# 33898, 2823 N Morton St)** is located adjacent to the project area on the east side of US 31 in the northeast quadrant of the intersection of US 31 and Industrial Drive. IDEM issued a No Further Action Determination on November 18, 1998. Low levels of contamination remain in the soil and/or groundwater. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Cinergy/PSI Energy—Franklin Office (AI# 11176, 2515 N Morton St)** is located adjacent to the project area on the east side of US 31, approximately 0.07 mile north of Commerce Drive. IDEM issued a No Further Action (NFA) Determination Pursuant to Remediation Closure Guide (RCG) on June 20, 2014. Lead contamination remains on site in the soil and pyrene contamination remains in the groundwater; however, these contaminants are below the residential screen levels as detailed in the RCG and the NFA was issued on an unconditional basis for soil, groundwater, and vapor intrusion exposure. No impact is expected.
- **Phillips 66 Company #015244 (AI# 32414, Old US 31 & Main)** is mapped within the project area in the intersection of US 31 and N Main St. According to IDEM documentation dated October 29, 1983, no tanks could be found at the site location. It is possible that orphan UST tanks will be encountered. If orphan tanks are encountered, coordination with INDOT SAM will occur. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Franklin Shoppes (AI# 34839, 1703 N Morton Ave)** is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and N. Main St. According to a LUST incident report dated June 10, 1994, the site operated as a gas station between 1954 and 1978. The incident report also stated that the tanks were not able to be located and that two (2) of seven (7) soil borings had contamination. No documentation indicating the location of the contamination is available, and no further investigations were done. In addition to petroleum contamination, it is likely that lead would be in the soil and groundwater. If excavation occurs in this area, it is likely that petroleum contamination may be encountered. If contamination is encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Kroger J-956 (UST Facility ID 25229, 1858 Northwood Plaza)** is mapped approximately 0.08 mile east of the project area on N Main St, but the icon is mapped incorrectly. The site is actually located adjacent to the project area on the west side of US 31 near the intersection with Schoolhouse Road. The site currently operates as a gas

station. IDEM conducted an Underground Storage Tank Inspection on November 14, 2019, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.

- **Franklin Community High School (AI# 32330, 625 Grizzly Cub Dr)** is located adjacent to the project area on the east side of US 31, north of the intersection with Mallory Parkway. A No Further Action (NFA) Letter was requested from IDEM on May 5, 1999; however no NFA letter is available. Although this site is not mapped as a UST site, documentation reviewed indicated that one (1) UST storing diesel fuel and one (1) UST storing gasoline are present at the site. IDEM conducted an Underground Storage Tank Inspection on September 17, 2019, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.
- **Wright's Car Wash, Inc (AI# 31557, 102 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Madison St. Three (3) USTs used to store gasoline were removed from the site in August 2001. The area surrounding the tanks was excavated and soil and groundwater samples were taken. IDEM rejected a request for a No Further Action (NFA) determination on May 5, 2005 and requested two (2) additional quarterly monitoring events. Only one (1) additional monitoring report is available, and no NFA determination was ever received. Residual shallow soil contamination remains on-site east of the canopy and extends into the project area. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Johnson Oil (AI# 34797, 10 N Morton St)** is located adjacent to the project area at the intersection of US 31 and Jefferson St. The site currently and has historically operated as a Shell Station. IDEM issued a No Further Action (NFA) Approval Determination Pursuant to 1994 UST Branch Guidance on December 14, 2006. Low levels of petroleum contamination remain on site in the soil and groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Former Always/Sparkle Car Wash (AI# 33795, 1 N Morton St)** is located adjacent to the project area in the northeast quadrant of the intersection with US 31 and Jefferson St. The original structure appears to have been demolished and a CVS Pharmacy is currently located on the site. IDEM issued a No Further Action determination on December 30, 1999. Low levels of petroleum contamination remain onsite in the soil and groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Jackson Oil and Solvents, Inc (AI# 31966, 20 S Morton St)** is located adjacent to the project area in the southwest quadrant of the intersection of US 31 and Jefferson St. The site operated as a gas station from the 1950s through 1990; the site is currently a Walgreens Pharmacy. IDEM issued a No Further Action (NFA) determination on March 7, 2001. Low levels of soil and/or groundwater contamination remain onsite. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soils and/or groundwater may be necessary.

Manufactured Gas Plant Sites: One (1) Manufactured Gas Plant Site is within the 0.5 mile search radius. The nearest facility, **Former MGP (AI# 35747, 249 W. Jefferson St.)**, is located approximately 0.27 mile east of the project area in the southeast quadrant of the intersection of Jefferson St and Walnut St. This site is also listed as a Voluntary Remediation Site and is discussed in that section.

Waste Transfer Stations: One (1) Waste Transfer Station is located within the 0.5 mile search radius. The **Franklin Transfer Station (AI# 36512, 730 Industrial Drive)** is located approximately 0.29 mile east of the project area. IDEM conducted an inspection of the site on December 18, 2020, and the facility was found to be in compliance with Rules 329 IAC 11 and EC 13-20. No impact is expected.

Brownfields: Eight (8) Brownfields are located within the 0.5 mile search radius. One (1) brownfield site, **McDonald's Restaurant 4100804 (AI# 101057, 1139 N Morton St)**, is located within the project area on the east side of US 31 approximately 0.03 mile north of the intersection of US 31 and Lemley St. IDEM issued a Site Status Letter on February 17, 2011 indicating that petroleum and lead contamination are present in the groundwater above IDEM's Risk Integrated System of Closure (RISC) residential and/or industrial default closure levels (RDCLs and IDCLs). An Environmental Restrictive Covenant (ERC) was placed on the property on April 7, 2011. Residual petroleum contamination extends into the project area. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with the IDEM Project Manager, Ken Coad (kcoad@ifa.in.gov), identified in the VFC documentation before further site activities occur.

Institutional Controls: Eight (8) Institutional Controls are located within the 0.5 mile search radius. One (1) institutional control, **McDonald's Restaurant 4100804 (AI# 101057, 1139 N Morton St)**, is located within the project area on the east side of US 31 approximately 0.03 mile north of the intersection of US 31 and Lemley St. This site is also listed as a Brownfield and is discussed in the Brownfield section above. An ERC prohibiting the use of groundwater was placed on the property on April 7, 2011. Coordination will be conducted with the IDEM Project Manager, Ken Coad (kcoad@ifa.in.gov), identified in the VFC documentation before further site activities occur.

NPDES Facilities: Thirty-Eight (38) NPDES Facilities are located within the 0.5 mile search radius. There are fifteen (15) NPDES facilities located within or adjacent to the project area.

- **Evolution Autos (Permit: INRA03142, 599 S. US 31, Whiteland)** is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and Oakville Boulevard. The permit is in effect until March 27, 2024. Coordination with the permit holder should occur.
- **Casey's General Store – Franklin IN (Permit: INR10L265, 3048 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Earlywood Dr. The permit expired on December 15, 2020. No impact is expected.
- **First Financial Bank Service Center (Permit: INR10N648, 50 W Branigan Rd)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Branigan Road. The permit is effective until April 12, 2022. Coordination with the permit holder should occur.
- **KYB Manufacturing Incorporated (Permit: INRM00886, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.13 mile south of the intersection of US 31 and International Dr. The permit is effective until November 30, 2022. Coordination with the permit holder should occur.
- **KYB Drainage Correction (Permit: INRA03592, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.29 mile south of the intersection of US 31 and International Dr. The permit is effective until May 27, 2024. Coordination with the permit holder should occur.
- **Duke Energy Franklin (Permit: INR10L123, 2515 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.09 mile north of the intersection of US 31 and Commerce Dr. The permit expired on November 5, 2020. No impacts are expected.
- **McAlister's Deli Franklin (Permit: INRA03253, 2378 N Morton St)** is located adjacent to the project area on the west side of US 31 in the southwest quadrant of the intersection of US 31 and Commerce Dr. The permit is in effect until April 25, 2024. Coordination with the permit holder should occur.
- **Buffalo Wild Wings (Permit: INR10N279, 2330 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Simon Rd. The permit is in effect until February 3, 2022. Coordination with the permit holder should occur.
- **Freddy's Frozen Custard & Steakburgers (Permit: INR10N386, 2306 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Simon Rd. The permit is in effect until February 28, 2022. Coordination with the permit holder should occur.
- **Deer Meadows Section Four (Permit: INRA04707, 200 N Morton St)** is located adjacent to the project area on the west side of US 31 approximately 0.12 mile south of the intersection of US 31 and Acorn Blvd. The permit is in effect until September 27, 2024. Coordination with the permit holder should occur.

- **US 31 and Mallory Parkway Intersection Improvements (Permit: INR10P062, US 31 & Mallory Pkwy)** is located within the project area. The permit has already been terminated. No impact is expected.
- **Bigfoot Shell 3 (Permit: ING080177, 10 N Morton St)** is mapped in the northwest quadrant of the US 31 and King St intersection but it is actually located adjacent to the project area in the northwest quadrant of the US 31 and Jefferson St intersection. The permit expired on January 31, 2008. No impact is expected.
- **Wright’s Car Wash Inc (Permit: ING080187, 102 N Morton St)** is located adjacent to the project area in the northwest quadrant of the US 31 and Madison St intersection. The permit expired on August 31, 2008. No impact is expected.
- **Road Rehabilitation Franklin Street Department (Permit INR10K047, US 31 & Jefferson St)** is mapped approximately 0.04 mile southwest of the project area along Ninevah Rd but it is actually located within the project area at the intersection of US 31 & Jefferson St. The permit expired on May 7, 2020. No impacts are expected.
- **South Main St Improvements DES 1600655 (Permit: INRA03872, US 31 & S Main St)** is located within the project area at the intersection of US 31 and S Main St. The permit is effective until July 10, 2024. Coordination with the permit holder should occur.

NPDES Pipe Locations: Twenty-one (21) NPDES Pipes are located within the 0.5 mile search radius. Two (2) NPDES pipes are adjacent to the project area.

- **KYB Manufacturing Incorporated (NPDES ID: INRM00884, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.13 mile south of the intersection of US 31 and International Dr. Coordination should occur with the permit holder.
- **KYB Americas Corporation (NPDES ID: INP000086, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.13 mile south of the intersection of US 31 and International Dr. Coordination should occur with the permit holder.

ECOLOGICAL INFORMATION SUMMARY

The Johnson County listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities are provided at <https://www.in.gov/dnr/naturepreserve/4666.htm>. A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did indicate the presence of ETR species within the 0.5 mile search radius.

A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. The project area is located in an urban area and is surrounded by commercial and residential properties for most of the project area. Cultivated fields border the project area in the northern and southern sections of the project. The October 21, 2020, inspection reports for the Culvert 031-41-03534 and Bridge 031-41-07875 state that no evidence of bats was seen or heard in the culvert or under the bridge. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent “Using the USFWS’s IPaC System for Listed Bat Consultation for INDOT Projects.”

RECOMMENDATIONS SECTION

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

INFRASTRUCTURE:

Religious Facilities: One (1) religious facility, Turning Point Church, is located adjacent to the project area. Coordination with Turning Point Church will occur.

Airports: Although not located within the 0.5 mile search radius, one (1) public-use airport, Franklin Flying Field, is located within 3.8 miles (20,000 feet) of the project area. The public-use airport is located approximately 2.48 miles south of the project area; therefore, early coordination with INDOT Aviation will occur.

Cemeteries: One (1) cemetery, Greenlawn Cemetery, is located 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 is recommended. Coordination with INDOT Cultural Resources will occur.

Schools: Two (2) schools, Northwood Elementary and Franklin Community Middle School, are located adjacent to the project area. One (1) school, Earlywood Educational Services, is located approximately 0.04 mile east of the project area. Coordination with Northwood Elementary, Franklin Community Middle School, and Earlywood Educational Services will occur.

Recreational Facilities: Four (4) recreational facilities are located adjacent to the project area: The Indiana Grand Slam Baseball/Softball Center, Franklin Community Middle School, Northwood Elementary School, and Blue Herron Park. One (1) recreational facility, Earlywood Educational Services, is located approximately 0.04 mile east of the project area. Coordination will occur with The Indiana Grand Slam Baseball/Softball Center, Franklin Community Middle School, Northwood Elementary School, Earlywood Educational Services, and the City of Franklin Parks and Recreation Department.

Pipelines: One (1) pipeline segment is located adjacent to the project area, one (1) segment passes through the project area, and one (1) segment is located approximately 0.03 mile west of the project area. All segments are associated with Indiana Gas Co. Inc. Coordination with INDOT Utilities and Railroads should occur.

Trails: Two (2) planned trail segments, two (2) potential trail segments, and two (2) open trail segments are located within the project area. Coordination with the Johnson County Plan Commission and the Franklin Parks and Recreation Department will occur.

WATER RESOURCES:

The presence of the following water resources will require the preparation of a Waters of the US Report and coordination with INDOT ESD Ecology and Waterway Permitting:

- Four (4) NWI Lines are present within the project area.
- Two (2) stream segments associated with Youngs Creek and Canary Ditch are located within the project area.
- Three (3) wetlands are located within the project area and one (1) wetland is located adjacent to the project area.
- One (1) lake is located adjacent to the project area.
- The project is located within six (6) floodplain polygons and is adjacent to two (2) floodplain polygons (coordination only).

IDEM 303d Listed Streams and Lakes: Two (2) 303d Listed Stream segments, Young's Creek and Canary Ditch, are located within the project area. One (1) 303d Listed Stream segment, Powell Ditch, is located approximately 0.01 mile west of the project area. Young's Creek, Canary Ditch, and Powell Ditch are listed as impaired for *E. coli*. Workers who are working in or near water with *E. coli* should take care to wear appropriate PPE, observe proper hygiene procedures, including regular hand washing, and limit personal exposure.

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS:

State Cleanup Sites:

State Cleanup Sites: One (1) State Cleanup site, **Franklin Shoppes (AI# 34839, 1703 N Morton Ave)**, is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and N. Main St. This site is also listed as a Leaking Underground Storage Tank (LUST) site and is discussed in more detail in that section. According to a LUST incident report dated June 10, 1994, the site operated as a gas station between 1954 and 1978. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Before proper removal and disposal of soil and/or groundwater, analysis for lead will be necessary. The site reportedly has seven (7) orphan underground storage tanks on-site; the location of these tanks is unknown. If any of these tanks are encountered, coordination with INDOT SAM will occur.

Underground Storage Tank (UST) Sites:

- **Fletcher Chrysler Products Incorporated (AI# 29994, 3099 N Morton St)** is located adjacent to the project area in the southeast quadrant of the intersection of US 31 and Earlywood Drive. The site is currently a car dealership and has historically operated as a car dealership. An unknown number of tanks were removed from the site between 1986 and 1991. The tanks were removed by the previous owners of the facility, Wiese Buick-Pontiac; the date of removal is not known and no information regarding soil or groundwater analysis is available. It is likely these tanks were in operation pre-1980. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, petroleum contamination may be encountered. If contamination is encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Johnson County District Incorporated (AI# 31906, 2785 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.06 mile south of the intersection with International Drive. One (1) UST was removed from the site in 1986 and no further investigations were conducted. The tank closure documentation indicates that the tank was used to store gasoline pre-1980. In addition to petroleum contamination, it is likely that lead contamination will be encountered. If contamination is encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Kocolene Service Station 48 (AI# 31436, 2151 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.6 mile south of the intersection with Simon Drive. This site currently operates as a Shell Service Station. IDEM conducted a UST Inspection on June 29, 2020, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9. No documentation indicating that the violations were corrected is available. A release of petroleum product was reported to IDEM on January 29, 2021. On February 8, 2021, IDEM requested an initial site characterization (ISC) to determine the extent of any potential contamination. The results of this ISC were not available at the time this report was prepared. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Matlock Ford Mercury (AI# 31600, 2140 N Morton St)** is located adjacent to the project area on the west side of US 31 approximately 0.1 mile south of Simon Road. A UST Notification Form dated May 27, 1986 indicated that two (2) UST tanks were present on site. One (1) was currently in use to store used oil and one (1) empty tank had been permanently out of use since 1974. It is not known what was stored in this tank. Another UST Notification Form dated December 26, 1989 indicated that one (1) UST was removed from the site in 1988. It is not clear which tank was removed, and no further investigation was done. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, petroleum contamination may be encountered. If impacts are encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.

Voluntary Remediation Program Sites:

- **Former MGP (AI# 35747, 249 W. Jefferson St.)** is a former Manufactured Gas Plant and is located approximately 0.27 mile east of the project area in the southeast quadrant of the intersection of Jefferson St and Walnut St. According to IDEM's response to the Second Quarter 2020 Groundwater Monitoring Report dated September 11, 2020, excavation and groundwater monitoring activities have been ongoing since 2018. Two zones of contamination (shallow and at a depth) appear to be remaining with contamination extending into Youngs Creek. If the depth of excavation associated with the Youngs Creek Bridge goes beyond 10 ft below ground surface (bgs), coordination with INDOT SAM will occur.

Leaking Underground Storage Tank (LUST) Sites:

- **Davidson Industries Inc (AI# 33898, 2823 N Morton St)** is located adjacent to the project area on the east side of US 31 in the northeast quadrant of the intersection of US 31 and Industrial Drive. IDEM issued a No Further Action Determination on November 18, 1998. Low levels of contamination remain in the soil and/or groundwater. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Phillips 66 Company #015244 (AI# 32414, Old US 31 & Main)** is mapped within the project area in the intersection of US 31 and N Main St. According to IDEM documentation dated October 29, 1983, no tanks could be found at the site location. It is possible that orphan UST tanks will be encountered. If orphan tanks are encountered, coordination with INDOT SAM will occur. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Franklin Shoppes (AI# 34839, 1703 N Morton Ave)** is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and N. Main St. According to a LUST incident report dated June 10, 1994, the site operated as a gas station between 1954 and 1978. The incident report also stated that the tanks were not able to be located and that two (2) of seven (7) soil borings had contamination. No documentation indicating the location of the contamination is available, and no further investigations were done. In addition to petroleum contamination, it is likely that lead would be in the soil and groundwater. If excavation occurs in this area, it is likely that petroleum contamination may be encountered. If contamination is encountered, proper removal and disposal of soil and/or groundwater and analysis for lead will be necessary.
- **Wright's Car Wash, Inc (AI# 31557, 102 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Madison St. Three (3) USTs used to store gasoline were removed from the site in August 2001. The area surrounding the tanks was excavated and soil and groundwater samples were taken. IDEM rejected a request for a No Further Action (NFA) determination on May 5, 2005 and requested two (2) additional quarterly monitoring events. Only one (1) additional monitoring report is available, and no NFA determination was ever received. Residual shallow soil contamination remains on-site east of the canopy and extends into the project area. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Johnson Oil (AI# 34797, 10 N Morton St)** is located adjacent to the project area at the intersection of US 31 and Jefferson St. The site currently and has historically operated as a Shell Station. IDEM issued a No Further Action (NFA) Approval Determination Pursuant to 1994 UST Branch Guidance on December 14, 2006. Low levels of petroleum contamination remain on site in the soil and groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.
- **Former Always/Sparkle Car Wash (AI# 33795, 1 N Morton St)** is located adjacent to the project area in the northeast quadrant of the intersection with US 31 and Jefferson St. The original structure appears to have been demolished and a CVS Pharmacy is currently located on the site. IDEM issued a No Further Action determination on December 30, 1999. Low levels of petroleum contamination remain onsite in the soil and groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary.

- **Jackson Oil and Solvents, Inc (AI# 31966, 20 S Morton St)** is located adjacent to the project area in the southwest quadrant of the intersection of US 31 and Jefferson St. The site operated as a gas station from the 1950s through 1990; the site is currently a Walgreens Pharmacy. IDEM issued a No Further Action (NFA) determination on March 7, 2001. Low levels of soil and/or groundwater contamination remain onsite. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper handling, removal, and disposal of soils and/or groundwater may be necessary.

Brownfields and Institutional Controls:

McDonald's Restaurant 4100804 (AI# 101057, 1139 N Morton St) is listed as both a Brownfield and Institutional Control site and is located within the project area on the east side of US 31 approximately 0.03 mile north of the intersection of US 31 and Lemley St. IDEM issued a Site Status Letter on February 17, 2011; the letter indicates that petroleum and lead contamination is present in the groundwater above IDEM's Risk Integrated System of Closure (RISC) residential and/or industrial default closure levels (RDCLs and IDCLs). An Environmental Restrictive Covenant (ERC) was placed on the property on April 7, 2011. Residual petroleum contamination extends into the project area. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with the IDEM Project Manager, Ken Coad (kcoad@ifa.in.gov), identified in the VFC documentation before further site activities occur.

NPDES Sites:

- **Evolution Autos (Permit: INRA03142, 599 S. US 31, Whiteland)** is located adjacent to the project area in the northeast quadrant of the intersection of US 31 and Oakville Boulevard. The permit is in effect until March 27, 2024. Coordination with the permit holder should occur.
- **First Financial Bank Service Center (Permit: INR10N648, 50 W Branigan Rd)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Branigin Road. The permit is effective until April 12, 2022. Coordination with the permit holder should occur.
- **KYB Manufacturing Incorporated (Permit: INRM00886, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.13 mile south of the intersection of US 31 and International Dr. The permit is effective until November 30, 2022. Coordination with the permit holder should occur.
- **KYB Drainage Correction (Permit: INRA03592, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.29 mile south of the intersection of US 31 and International Dr. The permit is effective until May 27, 2024. Coordination with the permit holder should occur.
- **McAlister's Deli Franklin (Permit: INRA03253, 2378 N Morton St)** is located adjacent to the project area on the west side of US 31 in the southwest quadrant of the intersection of US 31 and Commerce Dr. The permit is in effect until April 25, 2024. Coordination with the permit holder should occur.
- **Buffalo Wild Wings (Permit: INR10N279, 2330 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Simon Rd. The permit is in effect until February 3, 2022. Coordination with the permit holder should occur.
- **Freddy's Frozen Custard & Steamburgers (Permit: INR10N386, 2306 N Morton St)** is located adjacent to the project area in the northwest quadrant of the intersection of US 31 and Simon Rd. The permit is in effect until February 28, 2022. Coordination with the permit holder should occur.
- **Deer Meadows Section Four (Permit: INRA04707, 200 N Morton St)** is located adjacent to the project area on the west side of US 31 approximately 0.12 mile south of the intersection of US 31 and Acorn Blvd. The permit is in effect until September 27, 2024. Coordination with the permit holder should occur.
- **South Main St Improvements DES 1600655 (Permit: INRA03872, US 31 & S Main St)** is located within the project area at the intersection of US 31 and S Main St. The permit is effective until July 10, 2024. Coordination with the permit holder should occur.

NPDES Pipe Locations:

- **KYB Manufacturing Incorporated (NPDES ID: INRM00884, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.13 mile south of the intersection of US 31 and International Dr. Coordination should occur with the permit holder.
- **KYB Americas Corporation (NPDES ID: INP000086, 2625 N Morton St)** is located adjacent to the project area on the east side of US 31 approximately 0.13 mile south of the intersection of US 31 and International Dr. Coordination should occur with the permit holder.

ECOLOGICAL INFORMATION: Coordination with USFWS and IDNR will occur. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

INDOT ESD concurrence: Nicole Fohey-Breting Digitally signed by Nicole Fohey-Breting
Date: 2021.06.01 08:36:11 -04'00' (Signature)

Prepared by:
Victoria Veach
Ecologist
SJCA Inc.

Graphics:

A map for each report section with a 0.5 mile search radius buffer around all project area(s) showing all items identified as possible items of concern is attached. If there is not a section map included, please change the YES to N/A:

SITE LOCATION: YES

INFRASTRUCTURE: YES

WATER RESOURCES: YES

MINING/MINERAL EXPLORATION: YES

HAZARDOUS MATERIAL CONCERNS: YES

US 31 - Intersection	Proposed Work	Modified Traffic Pattern (Y/N)	Proposed Intersection Style	Traffic Pattern Modificaitons
S Main St	Additional lane added for SB Left turn onto Main St and onto US 31. Additional lane added for NB Right Turn onto Main St and onto US 31. Milling and surfacing throughout the intersection. Full depth in the median and turn lanes.	Yes	Proposed Intersection will add a signal to allow for left turns from US 31 onto S Main Street and left turns from S Main St to US 31	Signalized Phasing, using loops
S Nineveh Rd	Proposed rework of the intersection includes crosswalks and splitter islands. Milling and surfacing throughout the intersection. Full Depth pavement in median and turn lanes.	Yes	Proposed intersection will not allow for Nineveh Road traffic to turn left onto US 31. If cars wish to make a U-Turn they will need to drive through the intersection into the U-Turn only lanes.	Simplifying signal phasing to allow for through traffic and left turns from US 31 to Nineveh Road.
Ironwood Dr	Constructing acceleration and deceleration lanes to and from US 31. Adding a right turn lane for NB Traffic. Full depth pavement for turn, accell & decel lanes. Milling and surfacing throughout the intersection	No	Proposed intersection will have same traffic patterns as before.	
Franklin Lakes Blvd/ W South St	Proposed rework of the intersection includes crosswalks and splitter islands. Milling and surfacing throughout the intersection. Full Depth pavement in median and turn lanes.	Yes	Proposed intersection will not allow for Franklin Lakes Blvd traffic to turn left onto US 31. If cars wish to make a U-Turn they will need to drive through the intersection into the U-Turn only lanes.	Simplifying signal phasing to allow for through traffic and left turns from US 31 to Franklin Lakes Blvd.
Hospital Rd	Construction of a signal to allow for traffic to turn left from US 31 to Hospital Road. Expansion of splitter islands and removal of the left turn lane on Hospital Road. Loon construction North of Hospital Rd to allow for U-Turns	Yes	Proposed intersection will not allow for traffic to turn left from Hospital Road onto US 31.	Signalized intersection. Protected left turn movement from US 31 to Hospital Rd. Protected U turn movement.
W Jefferson St/SR 44/SR 144	Reconstruction of the intersection to add splitter islands and remove left turn lanes from US 31. Full depth pavement in median. Milling and surfacing throughout intersection	Yes	Proposed intersection will not allow for left turns onto Jefferson St.	Signalized intersection removed phasing for protected lefts from US 31.

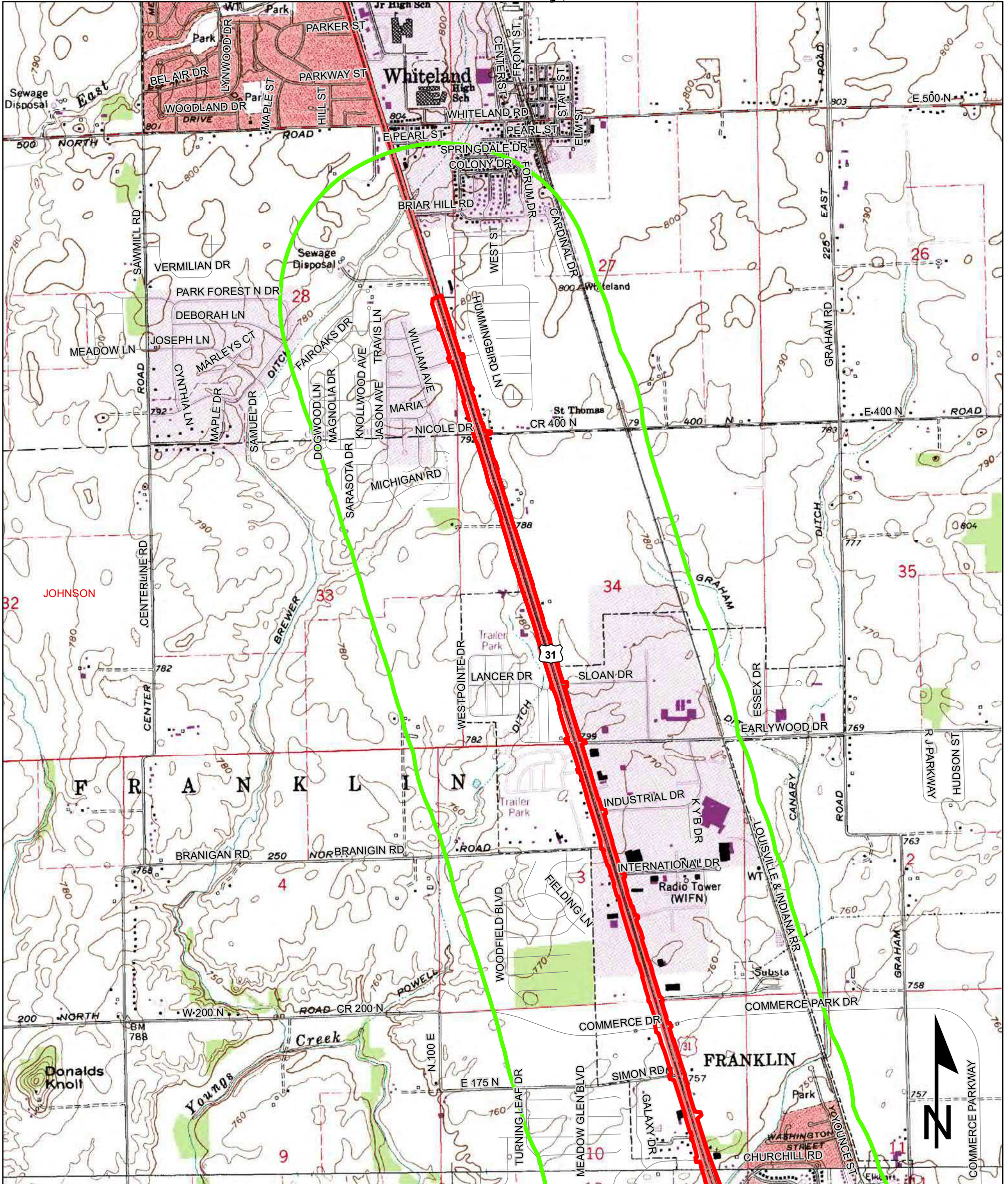
W Madison St	Removal of the SB left turn lane on US 31. It will be replaced with a right turn only lane for SB traffic. Reconstruction of concrete median. Milling and surfacing throughout intersection	No	Same intersection style	Minimal traffic modifications. Traffic will be allowed to get in a right turn only lane for Jefferson St.
W King St	Construction of splitter islands and concrete median. Milling and surfacing throughout intersection	No	Same intersection style	Minimal traffic modifications. Traffic will not be allowed to turn left from W King St onto US 31.
W Adams St	Concrete median will be constructed through the intersection. Milling and surfacing throughout intersection.	Yes	Only through traffic permitted due to concrete median	No left turns from US 31 or Adams St
Banta St	Construction of a loon on the West side of US 31. This will allow for US 31 NB traffic to make a U turn. A concrete splitter island will not allow for traffic from Banta to turn left. Full depth pavement for Loon. Milling and surfacing throughout intersection	Yes	Only through traffic and NB U-Turn is permitted at this intersection.	New signal will allow green time for U-Turns movement.
Mallory Pkwy	Reconstruction of the crosswalks and concrete median. Full depth pavement at the median. Milling and surfacing throughout the intersection	Yes	Left turns from Mallory Pkwy are not premitted	Existing signal will allow for through traffic and left turns from US 31.
Lemley St	reconstruction of concrete median. Milling and surfacing throughout the intersection	No	Same Intersection Style	Same Traffic Pattern
Westview Dr/ N. Main St	Reconstruction of the intersection to add concrete medians. SB traffic will have two through lanes, left turn only, and right turn only lanes. Westview Drive will have two right turn only lanes Full depth pavement in median. Milling and surfacing throughout intersection	Yes	Signalized Intersection	Proposed intersection will not allow for traffic to turn left from Westview Drive.
Schoolhouse Rd	Signal equipment will be removed. Asphalt median will be replaced with a grass median. Milling and surfacing throughout the intersection.	Yes	Through traffic along US 31 and Right turn only onto US 31	Asphalt in the median will be removed and repalced with curb and grass to only permit right turns and through traffic.

Cedar Ln	Asphalt median will be replaced with a grass median. Milling and surfacing throughout the intersection.	Yes	Through traffic along US 31 and Right turn only onto US 31	Asphalt in the median will be removed and repalced with curb and grass to only permit right turns and through traffic.
Acorn Rd	Asphalt median will be replaced with a grass median. A U-Turn lane will be kept to allow for SB traffic to make a U-Turn. Milling and surfacing throughout the intersection.	Yes	Through traffic along US 31, U-Turn for SB, and Right turn only onto US 31	Asphalt in the median will be removed and repalced with curb and grass to only permit right turns and through traffic.
Ransdell Dr	Left turn lanes will be extended to Ransdell Dr. The grass median will remain in place. Full depth pavement for turn lanes. Milling and surfacing throughout intersection	No	Same intersection style	U-Turns permitted past the intersection
Simon Rd	Asphalt median will be replaced with a grass median. Left turn lanes will be kept to allow for U-Turn movements past the intersection. Milling and surfacing throughout the intersection.	Yes	Through traffic along US 31, U-Turn for NB & SB past the intersection, and Right turn only onto US 31	Asphalt in the median will be removed and repalced with curb and grass to only permit right turns and through traffic.
Commerce Dr	Reconstruction of the intersection. Left turn lanes on Commerce to be removed. Through traffic will still be permitted. Apshalt median is being removed and replaced with a grass median to not allow left turns from US 31. Milling and surfacing throughout the intersection.	Yes	Signalized Intersection	Through traffic for Commerce and US 31. No left turns permitted.
Industrial Dr	Signal to be constructed at this intersection to allow for U-Turn movements for NB and SB traffic. Concrete median is being installed. Right turn only permitted for Industrial Dr. Milling and surfacing throughout the intersection.	Yes	Signalized Intersection	Through traffic and U-Turns permitted for US 31. Right turn only from Industrial Drive.

Branigin Rd	Signal reconstruction work. Left turn lane for SB traffic is being removed. NB U-Turn movement permitted. Loon construction for NB traffic. Right turn only from Branigin Rd. Through traffic on US 31 permitted. Milling and surfacing throughout the intersection.	Yes	Signalized Intersection	Through and U-Turn movements for US 31. Right turn only from Branigin Rd
International Dr	Asphalt median will be replaced with a grass median. NB left turn lane will be added to allow for U-Turns North of the intersection. Left turn on SB US 31 will be removed. Full Depth for NB Turn Lane. Milling and surfacing throughout the intersection.	Yes	Unsignalized intersection	Through traffic along US 31. Right turn only from International Dr.
Locust St	Asphalt median will be replaced with a grass median. Turn lanes will remain to allow for U-Turns past the intersection. Construction of a Loon on the East side of US 31. Full depth for the median and Loon. Milling and surfacing throughout the intersection.	Yes	Unsignalized intersection	Through traffic along US 31. Right turn only from Locust St.
Earlywood Dr/CR E 300 N	Construction of a concrete crosswalk will block through traffic for Earlywood Dr. This will only allow for right turns onto US 31. Left turns are allowed from US 31 to Earlywood Dr with the proposed signal phasing. Full depth pavement in the median. Milling and surfacing throughout the intersection.	Yes	Signalized Intersection	Through traffic along US 31. Left turns permitted from US 31 to Earlywood Dr. Right turn only from Locust St.
Sloan Dr/Lancer Dr	Asphalt median will be replaced with a grass median. Only Through traffic will be permitted through the intersection. Left turn lanes on US 31 will be removed. Milling and surfacing throughout the intersection.	Yes	Unsignalized intersection	Through traffic along US 31. Right turn only from Sloan Dr and Lancer Dr.

<p>Paul Hand Blvd</p>	<p>Asphalt median will be replaced with a grass median. Only Through traffic will be permitted through the intersection. Left turn lanes on US 31 will be removed. Milling and surfacing throughout the intersection.</p>	<p>Yes</p>	<p>Unsignalized intersection</p>	<p>Through traffic along US 31. Right turn only from Paul Hand Blvd</p>
<p>Christian Blvd/Oakville Blvd</p>	<p>Construction of a concrete crosswalk will block through traffic for Christian Blvd and Oakville Blvd. This will only allow for right turns onto US 31. Left turns are allowed from US 31 to Christian Blvd & Oakville Blvd with the proposed signal phasing. Full depth pavement in the median. Milling and surfacing throughout the intersection.</p>	<p>Yes</p>	<p>Signalized Intersection</p>	<p>Through traffic and left turns permitted along US 31. Right turn only from Christian Blvd and Oakville Blvd</p>
<p>Israel Ln</p>	<p>Asphalt median will be replaced with a grass median. Only Through traffic will be permitted through the intersection. Left turn lanes on US 31 NB will be extended to allow for a U-Turn North of the intersection. Milling and surfacing throughout the intersection.</p>	<p>Yes</p>	<p>Unsignalized intersection</p>	<p>Through traffic permitted along US 31. Right turn only from Israel Ln</p>

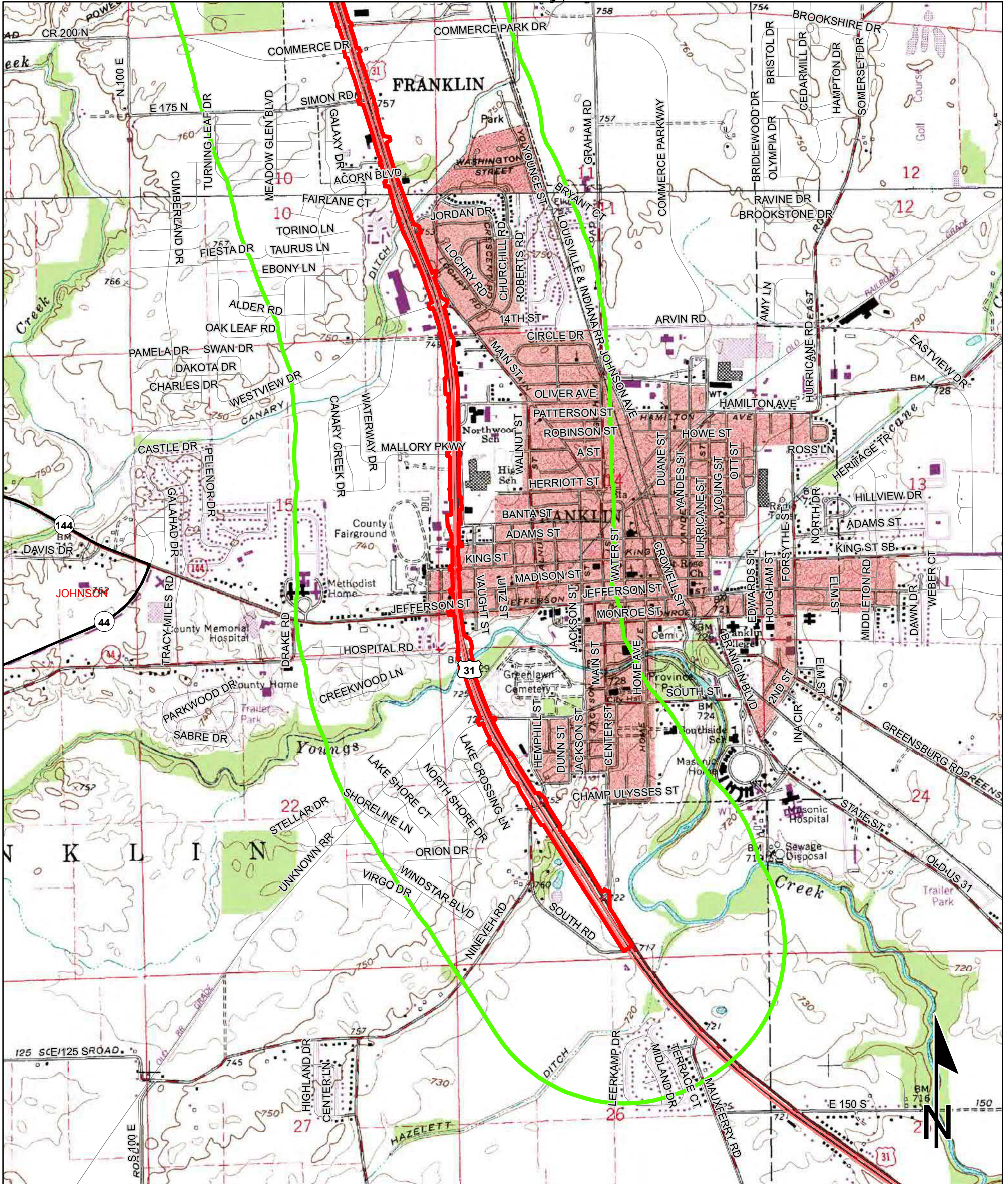
Red Flag Investigation - Site Location
US 31, from 4.35 mi N of to 1.05 mi S of SR 44/SR 144
Des. No. 1800082, 1800272, and 2001610
Corridor Improvement, Small Structure, and Bridge Project
Johnson County, Indiana



Sources: 0.4 0.2 0 0.4 Miles
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

GREENWOOD AND FRANKLIN QUADRANGLES
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)

Red Flag Investigation - Site Location
US 31, from 4.35 mi N of to 1.05 mi S of SR 44/SR 144
Des. No. 1800082, 1800272, and 2001610
Corridor Improvement, Small Structure, and Bridge Project
Johnson County, Indiana



Sources: 0.4 0.2 0 0.4 Miles
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FRANKLIN QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)

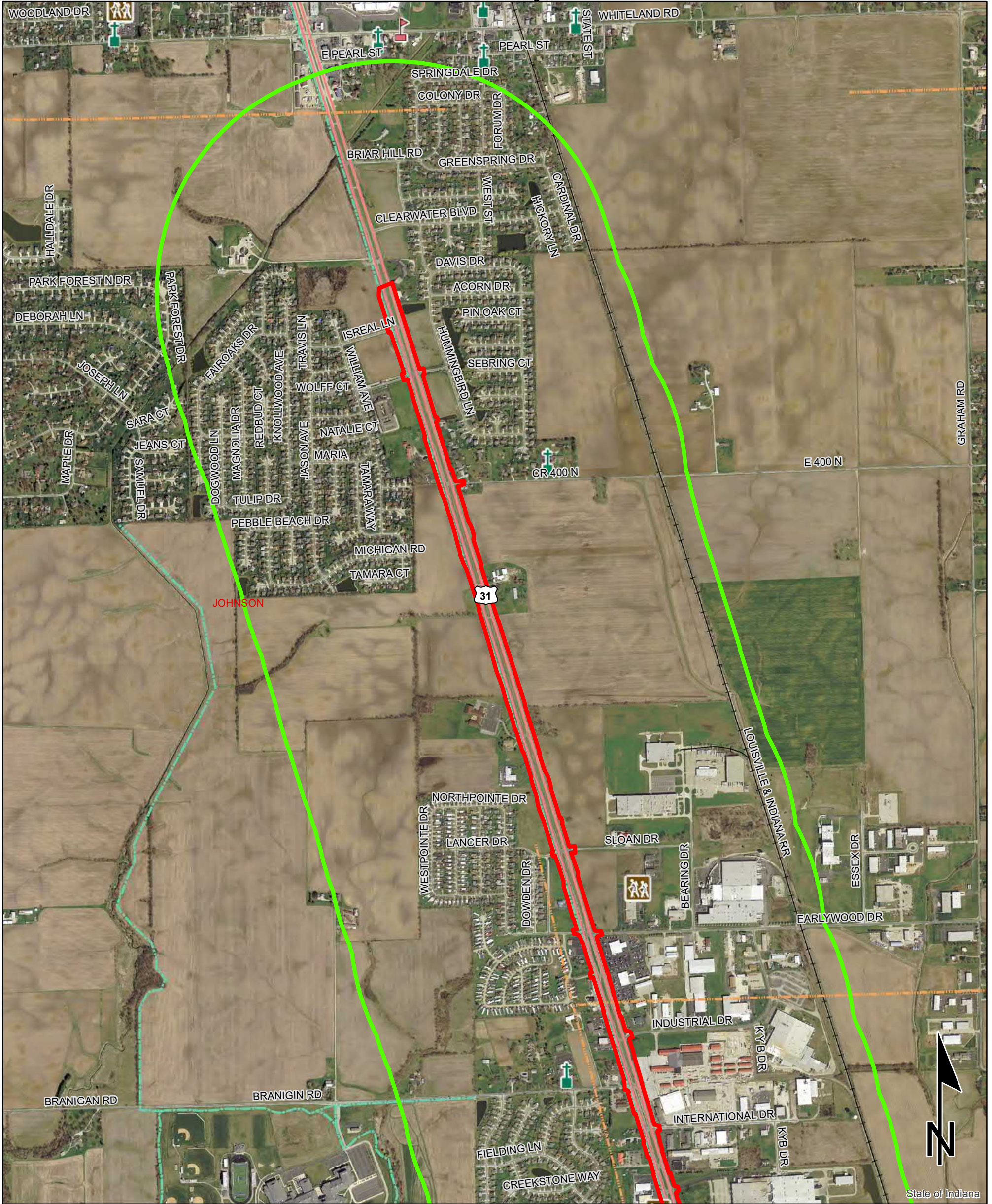
Red Flag Investigation - Infrastructure

US 31, from 4.35 mi N of to 1.05 mi S of SR 44/SR 144

Des. No. 1800082, 1800272, and 2001610

Intersection Improvement, Small Structure, and Bridge Project

Johnson County, Indiana



Sources: 0.25 0.125 0 0.25 Miles
Non Orthophotography

Data - Obtained from the State of Indiana Geographical Information Office Library

Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)

Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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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

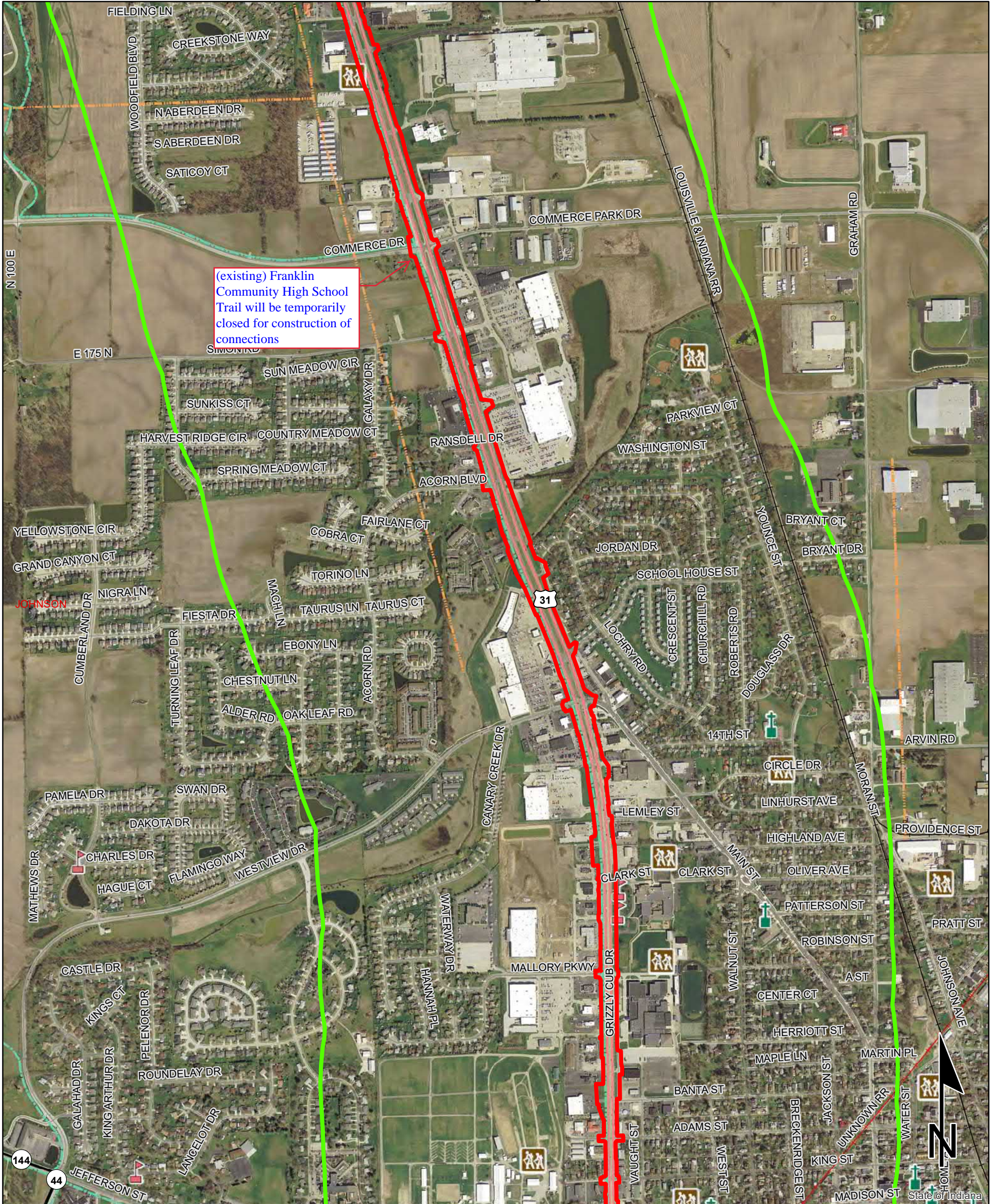
Red Flag Investigation - Infrastructure

US 31, from 4.35 mi N of to 1.05 mi S of SR 44/SR 144

Des. No. 1800082, 1800272, and 2001610

Intersection Improvement, Small Structure, and Bridge Project

Johnson County, Indiana



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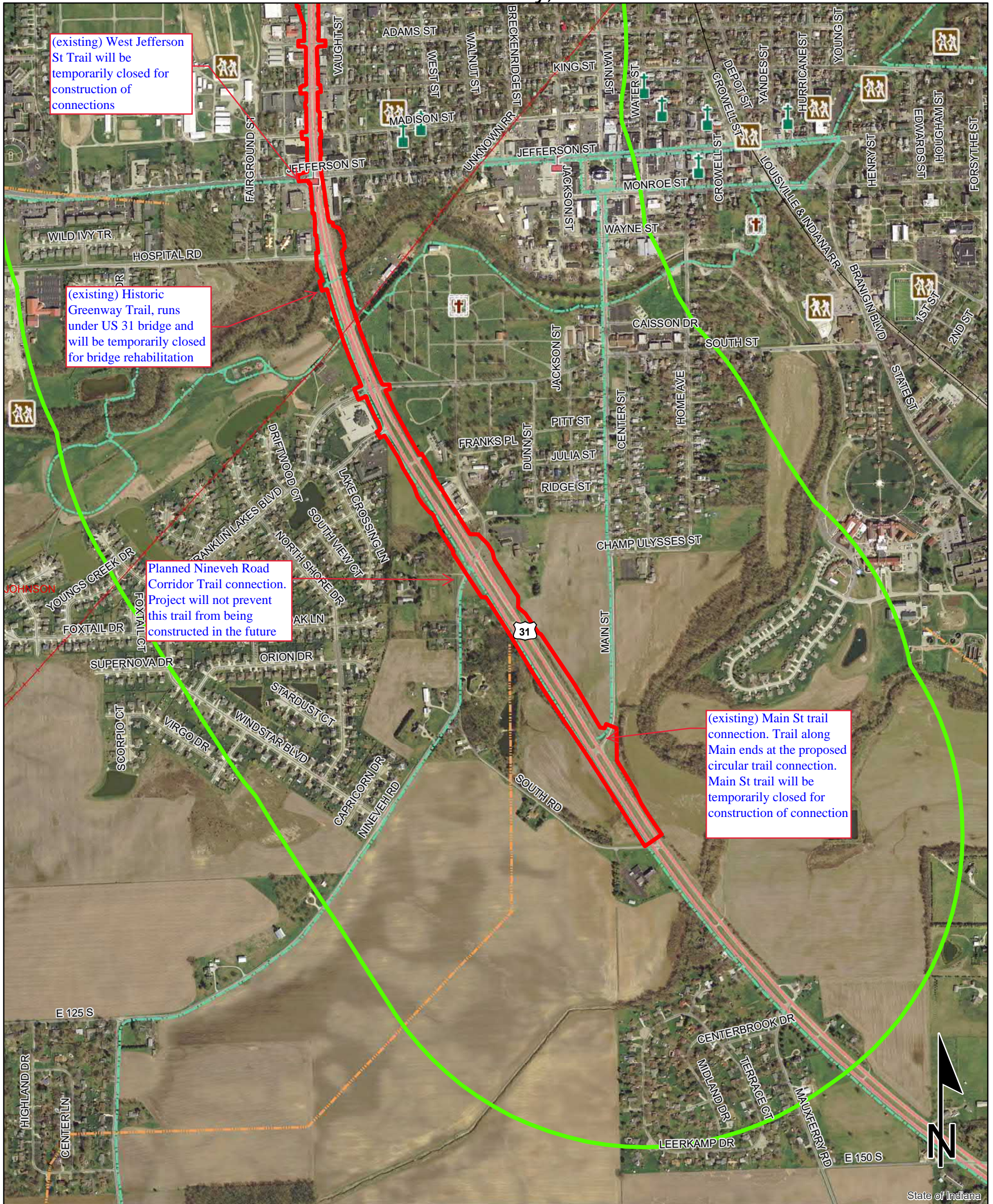
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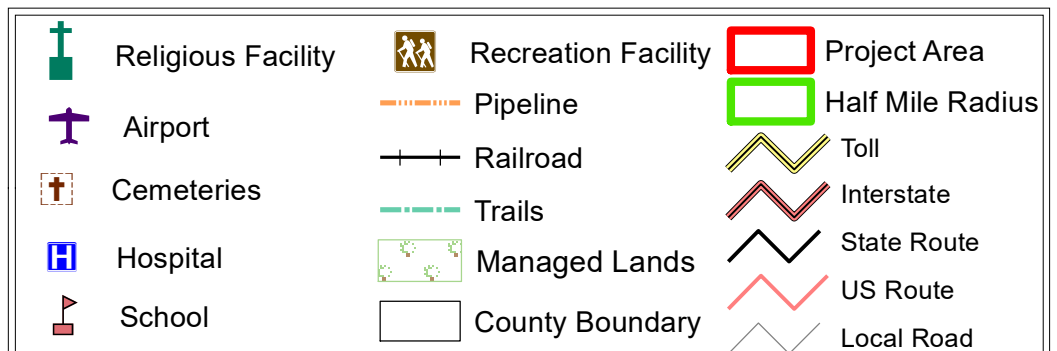
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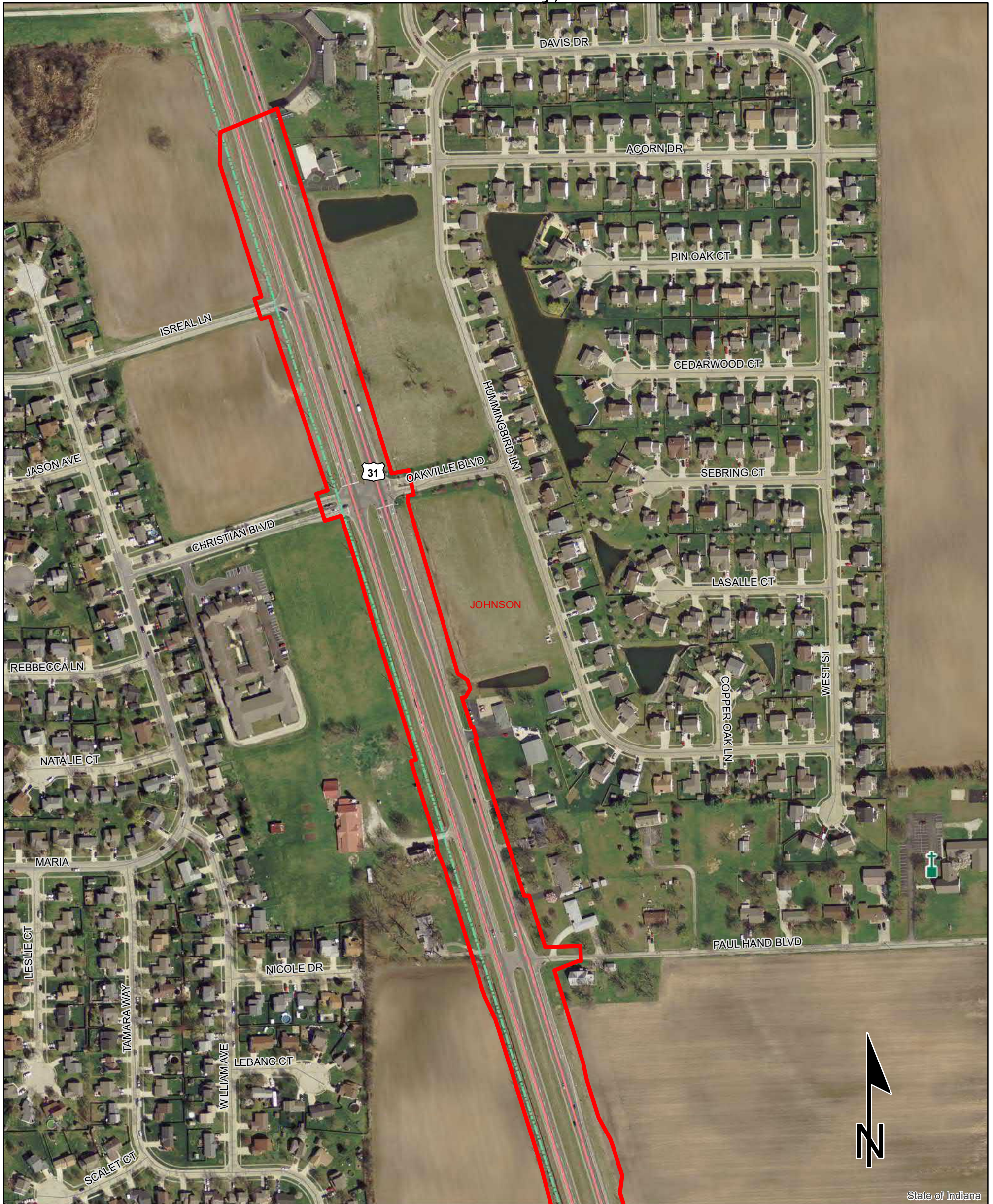
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US 31, from 4.35 mi N of to 1.05 mi S of SR 44/SR 144

Des. No. 1800082, 1800272, and 2001610

Corridor Improvement, Small Structure, and Bridge Project

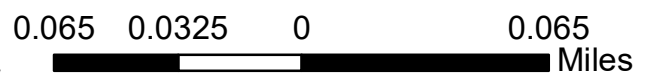
Johnson County, Indiana



State of Indiana

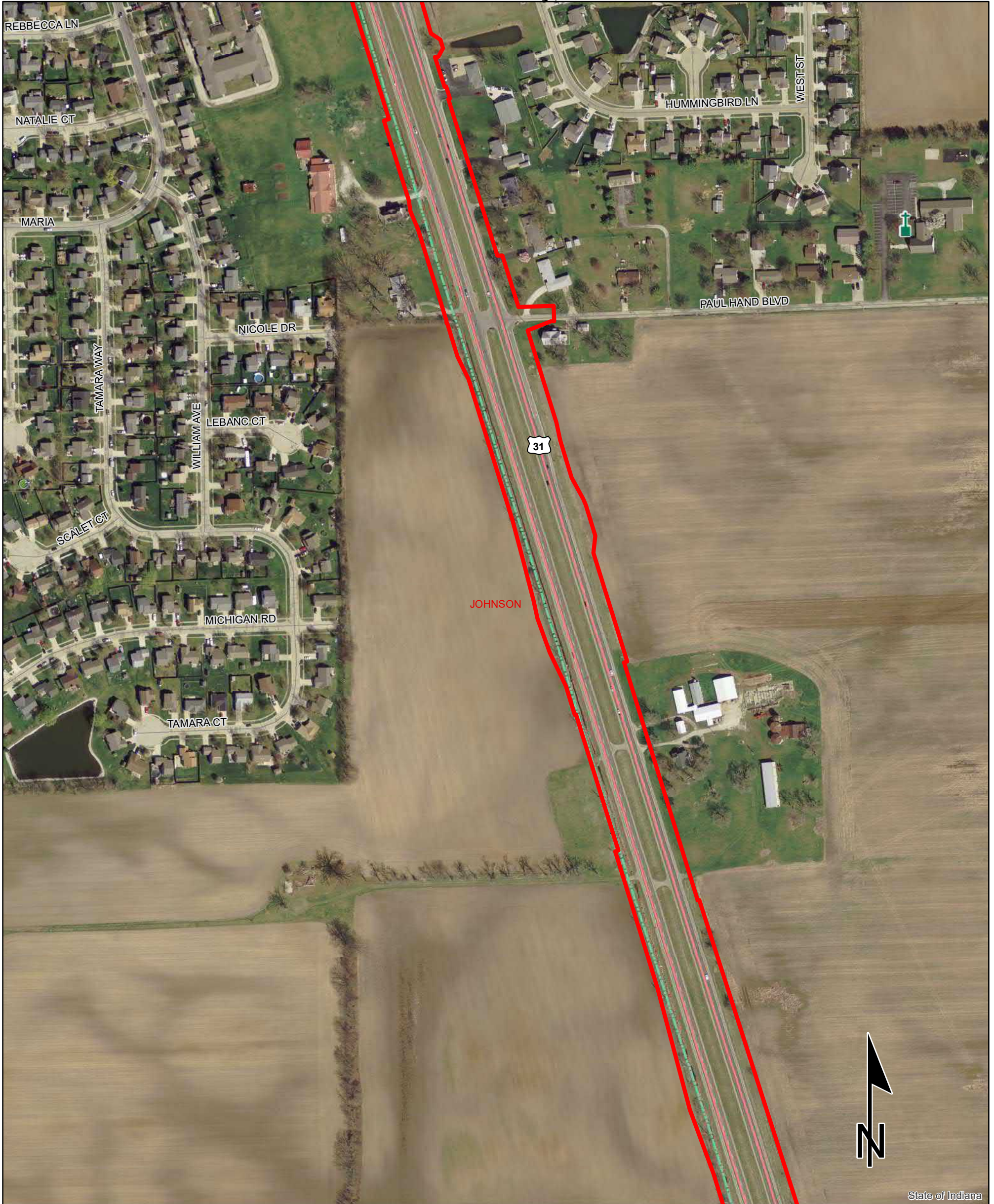
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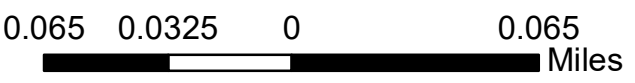
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Johnson County, Indiana



State of Indiana

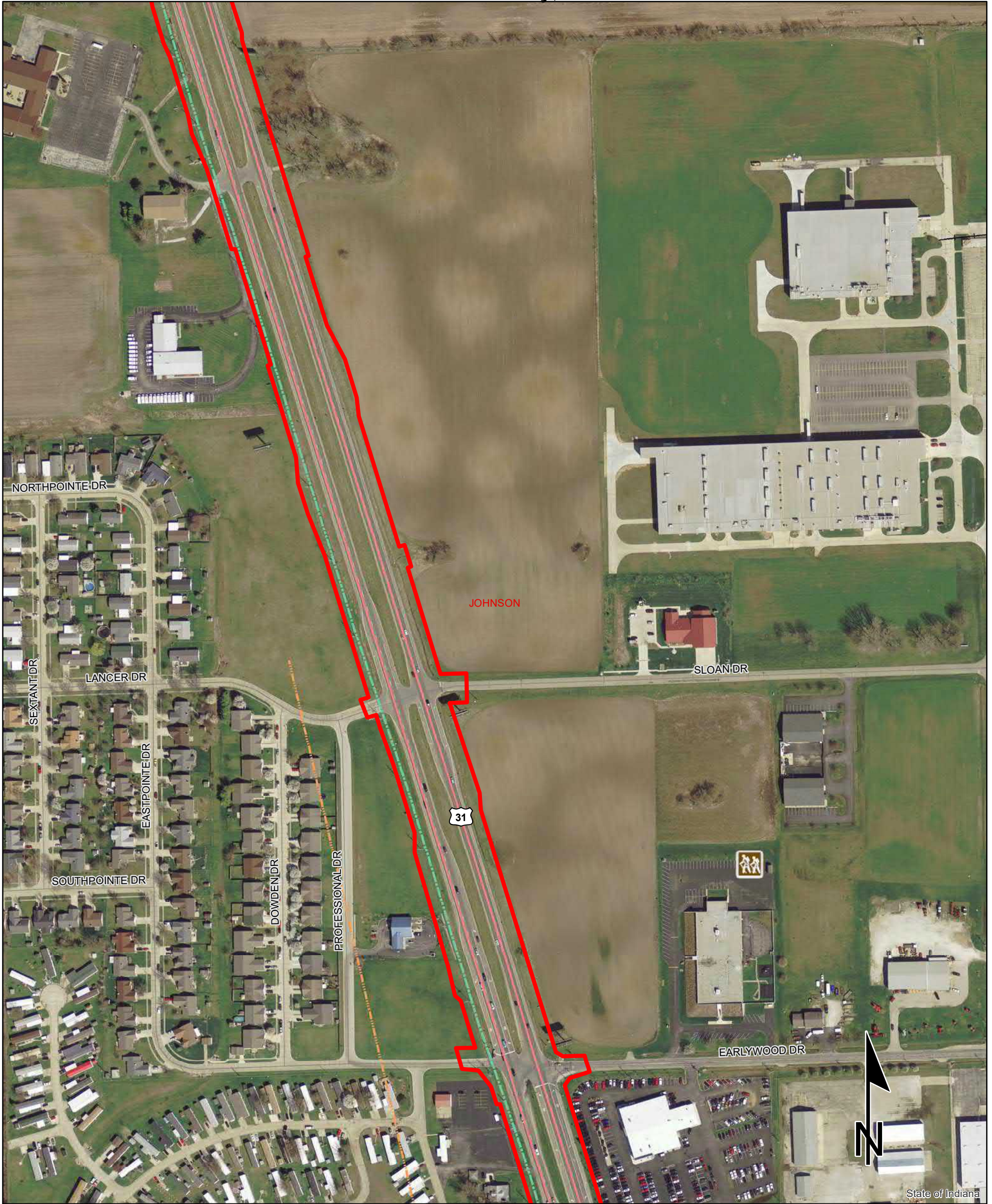
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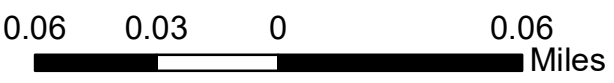
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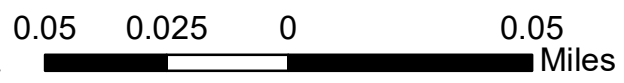
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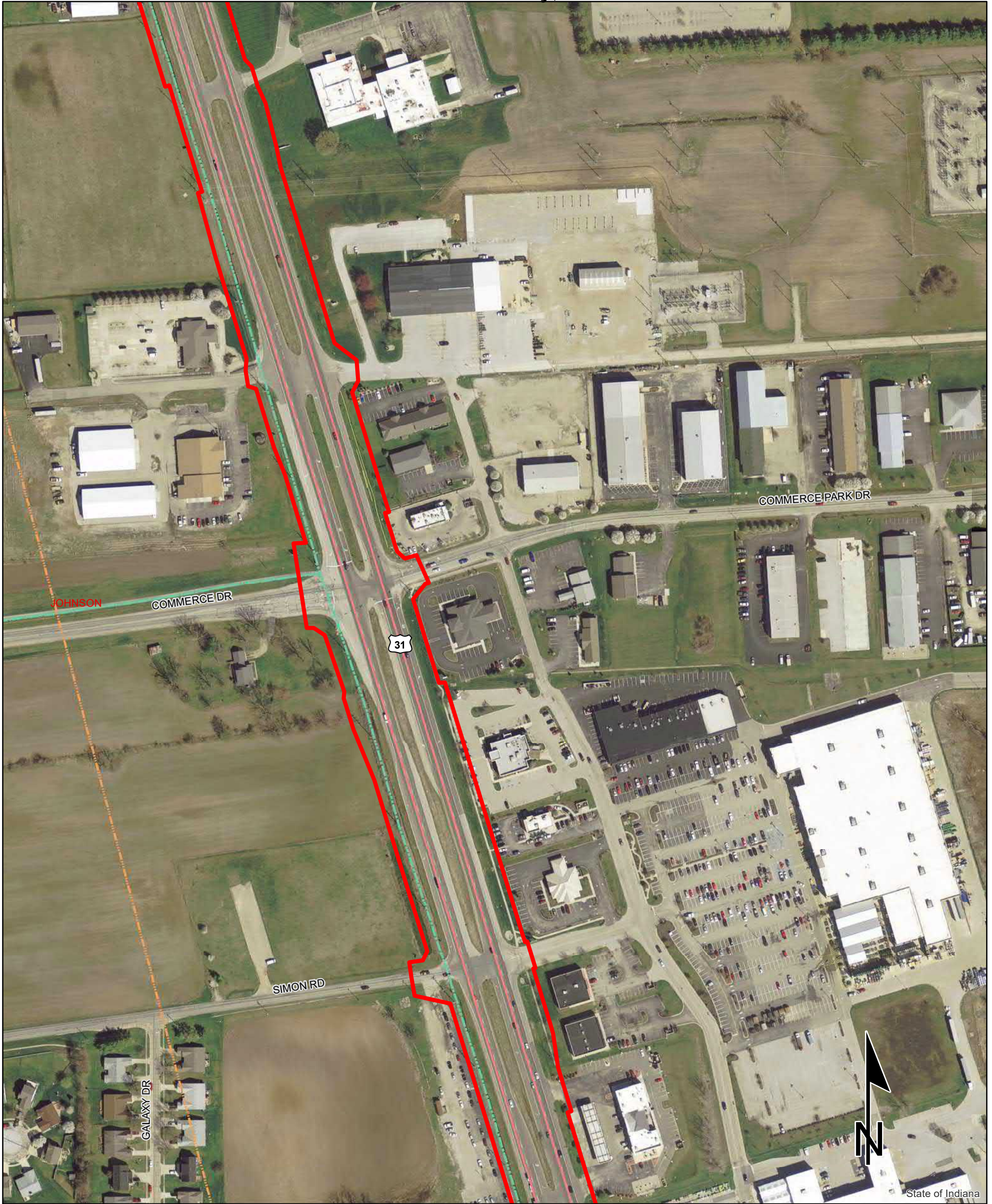
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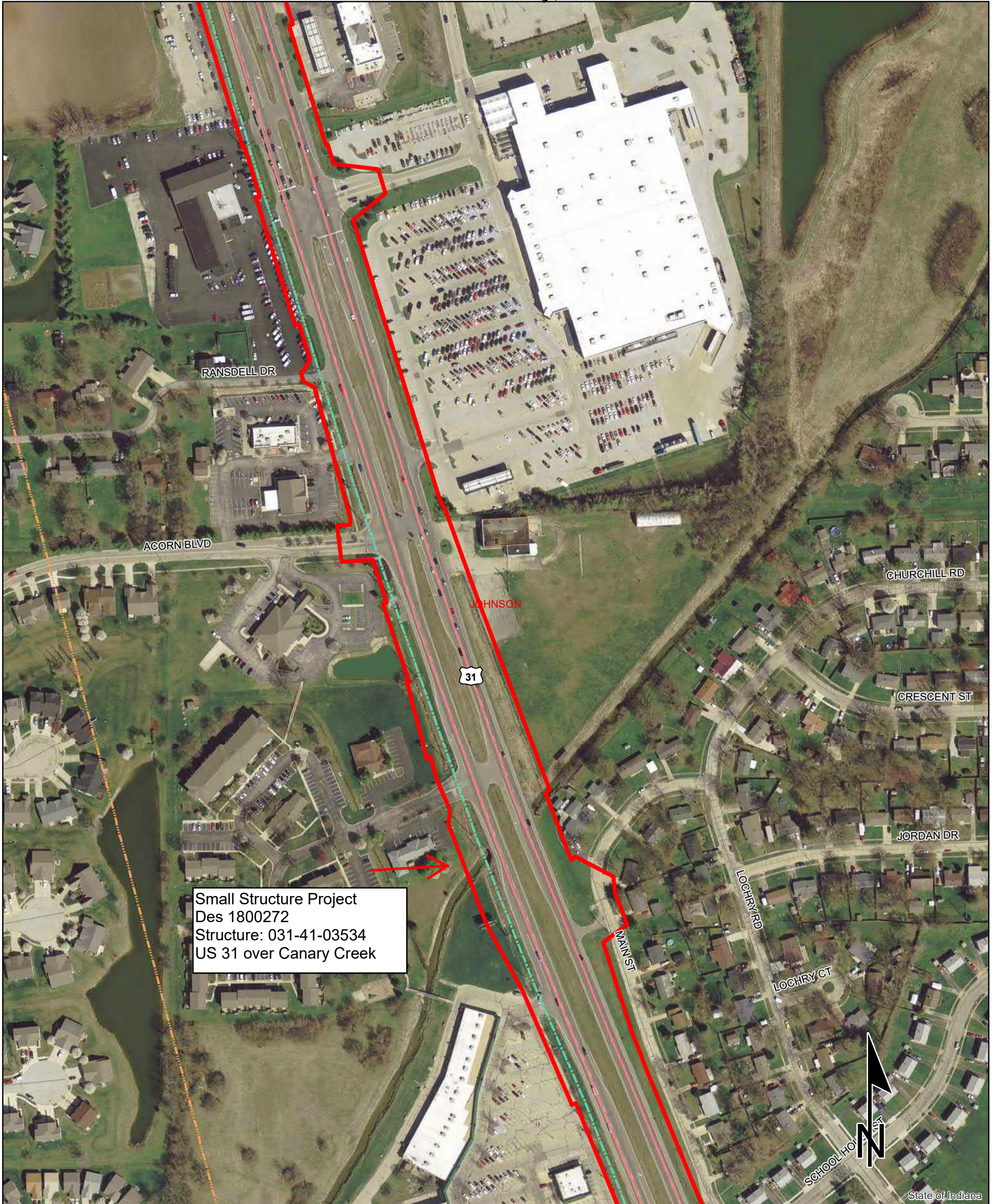
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0.05 0.025 0 0.05 Miles

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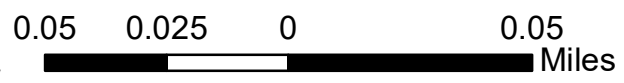
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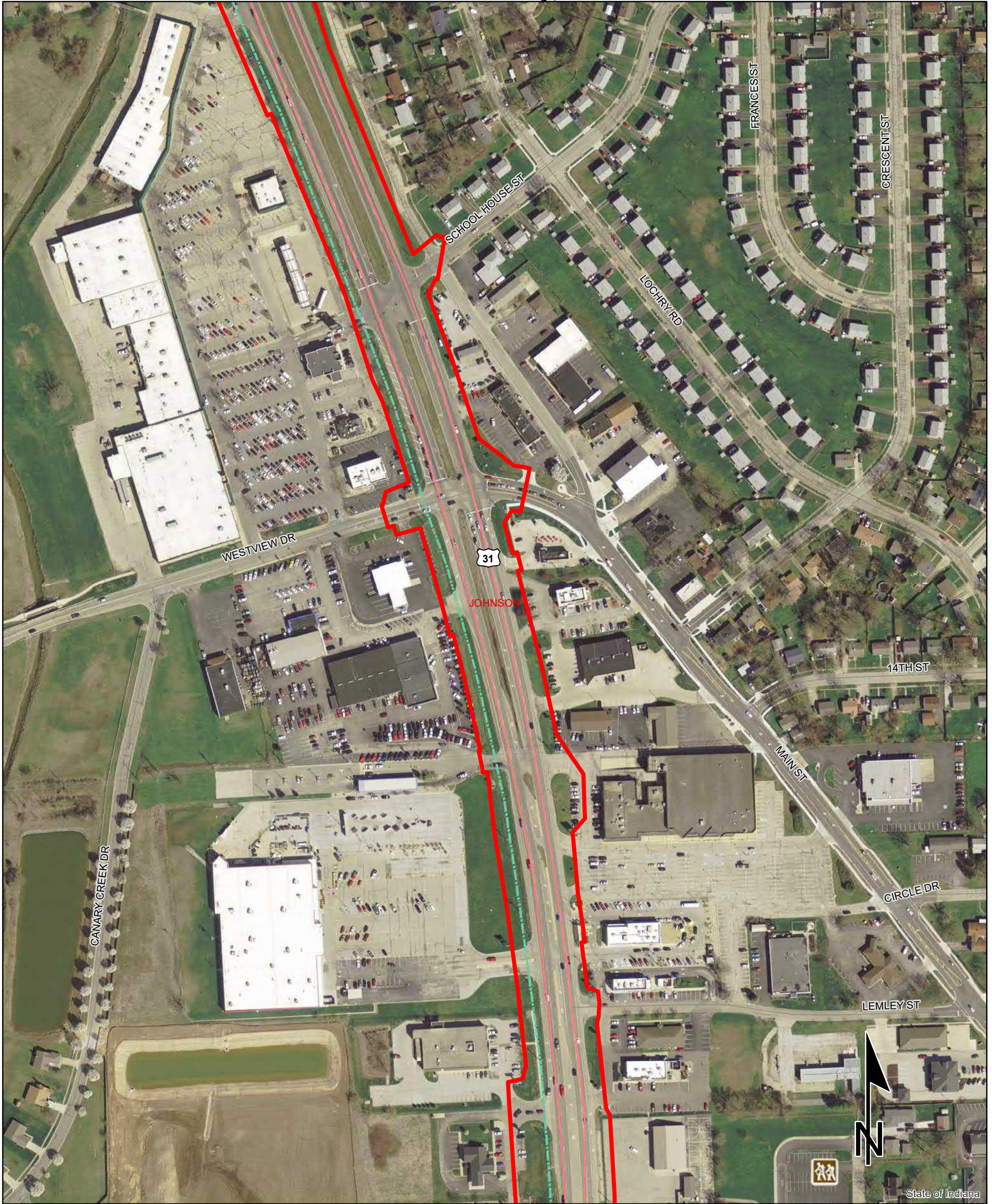
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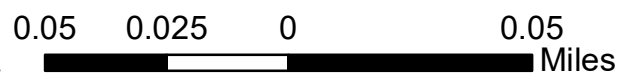
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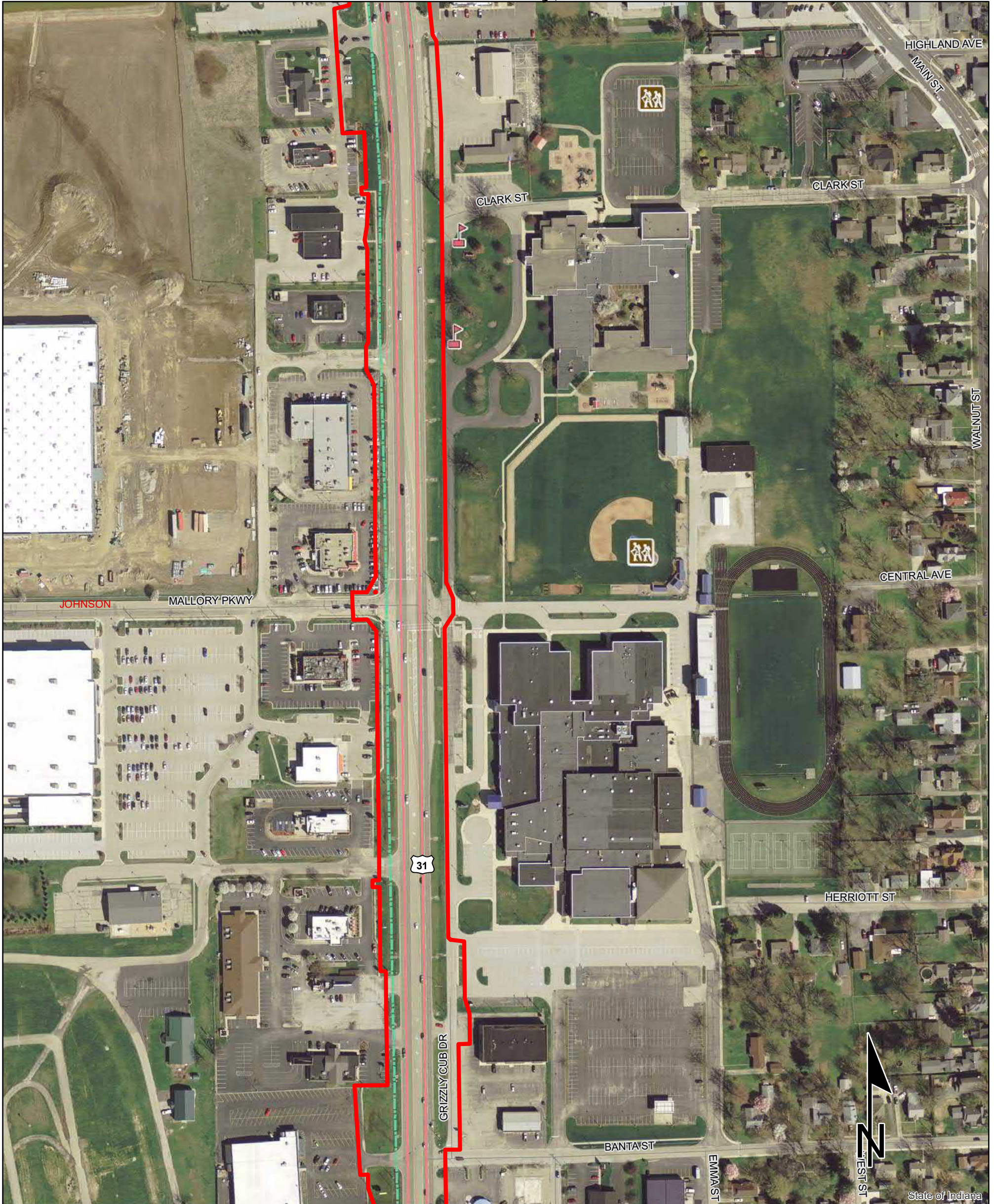
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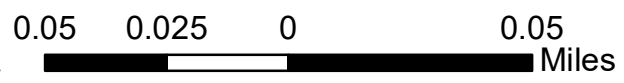
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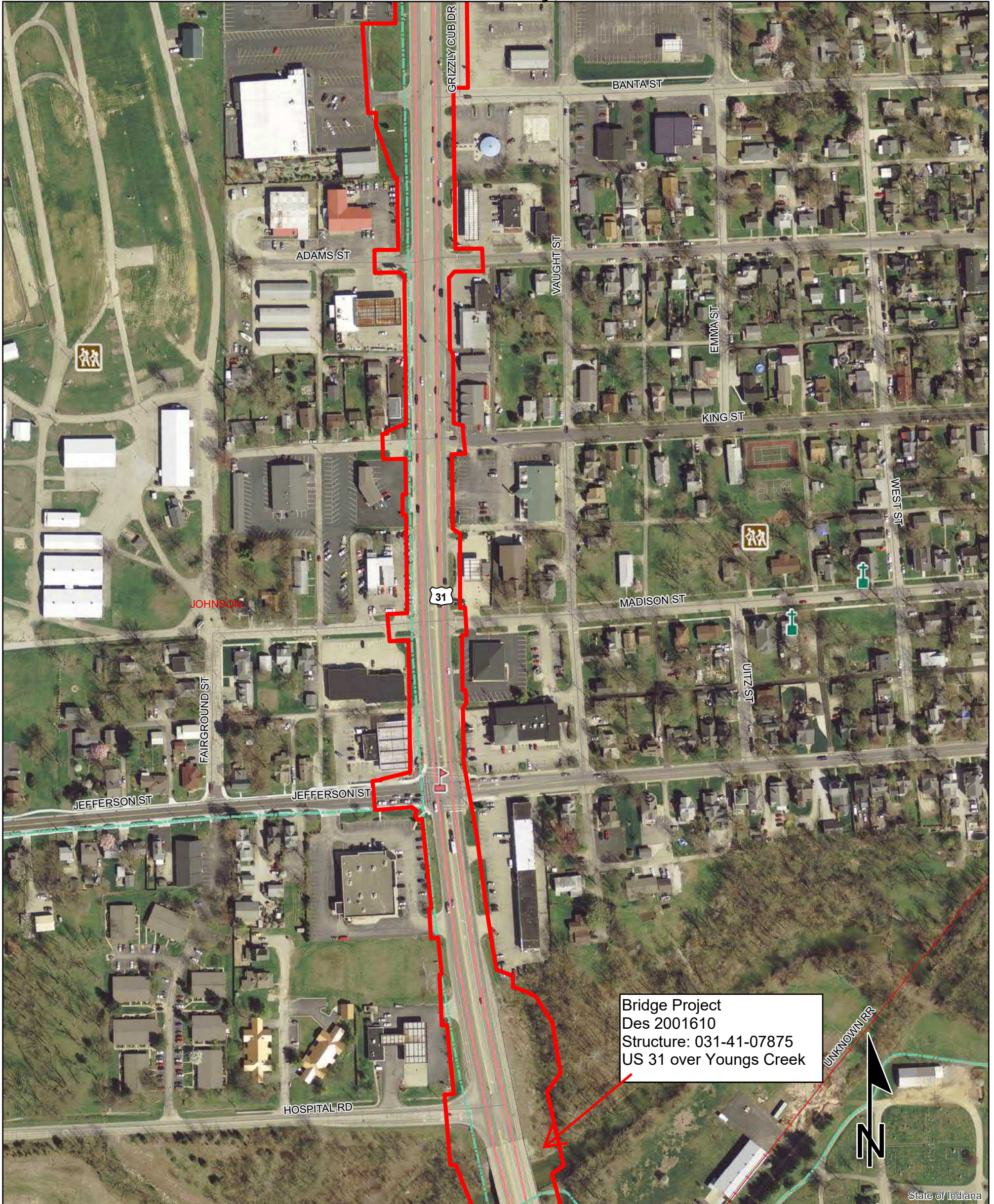
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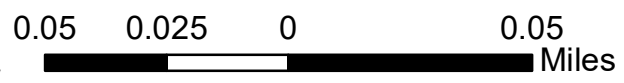
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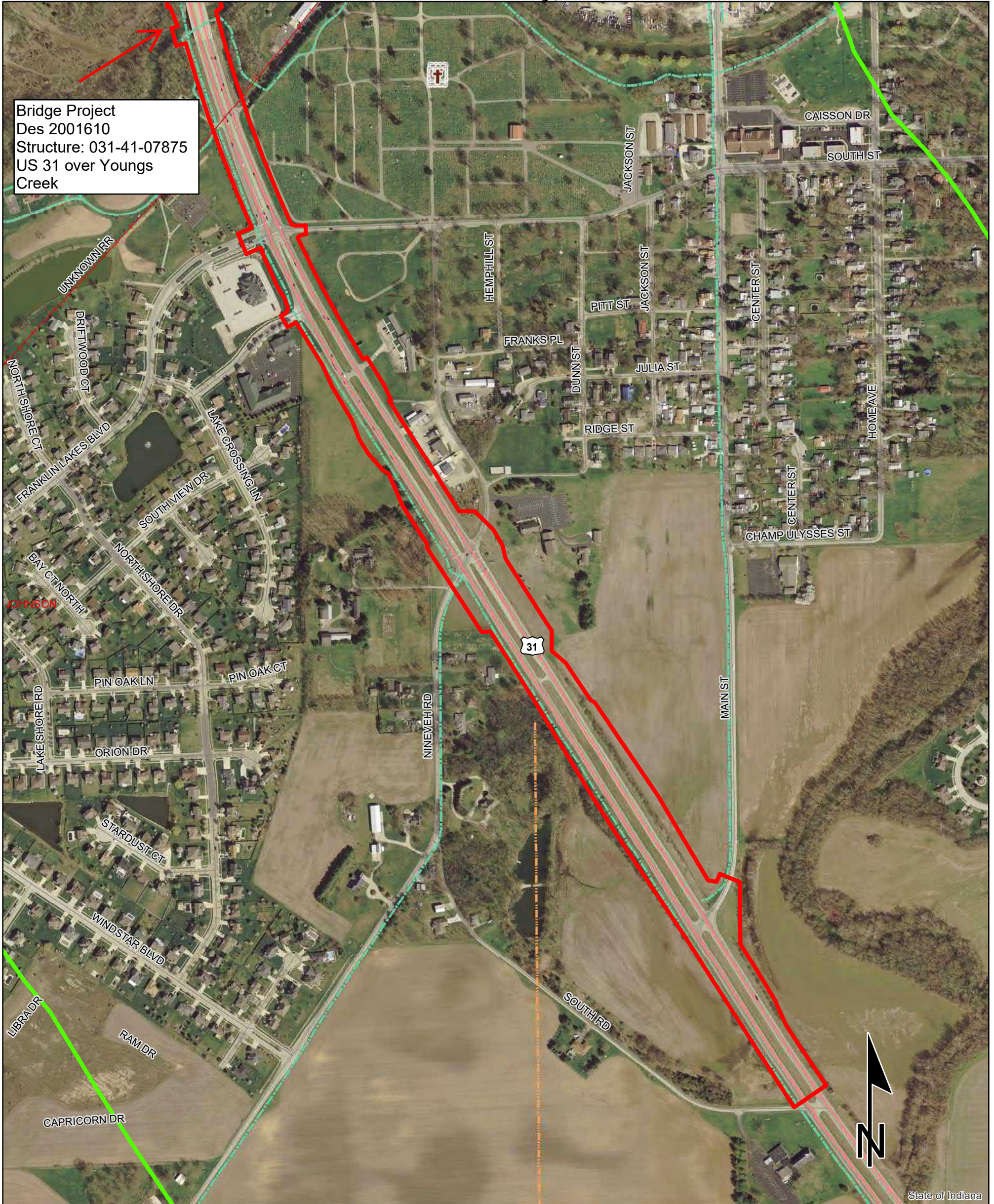
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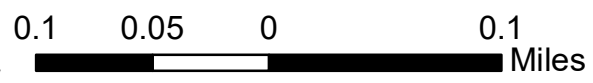
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