

Categorical Exclusion

Appendix E

Red Flag and Hazardous Materials



10401 North Meridian Street, Suite 401
Indianapolis, IN 46290
(317) 815-7200 ♦ Fax (317) 815-7201
www.rqaw.com

Date: January 30, 2017

From: Jaime Byerly
RQAW Corporation
10401 North Meridian Street; Suite 401
Indianapolis, Indiana 46290
jbyerly@rqaw.com

Re: Red Flag Investigation
Des. Number 1600597
276th Street Extension Project (Phase II)
On 276th Street from 0.60 mile west of Gwinn Road northeast to 181st Street/SR 19
Hamilton County, Indiana

Note: After this Red Flag Investigation was completed, the preferred alignment of the project was modified (shifted) in two locations. The first shift is along the west leg of the project through cultivated fields where it makes a large curve to the north and east. The preferred alignment at this location has been shifted approximately 280 feet west of the original alignment to avoid impacts to a center-pivot irrigation system on the Beck's Superior Hybrids property. The other shift is near the east end of the project where the alignment curves north, west of SR 19. The preferred roadway alignment at this location has been shifted approximately 50 feet south of the original alignment to minimize impacts to a stand of walnut trees. Since the modifications are within the 0.5 mile search radius, the results of the Red Flag Investigation remain unchanged.

NARRATIVE

The project is sponsored by Hamilton County and the Federal Highway Administration (FHWA). The approximately 1.9-mile long project is located on 276th Street from 0.6 mile west of Gwinn Road and extends northeast to 181st Street/SR 19. Land use is primarily agricultural and with commercial (Beck's Superior Hybrids) and some residential.

The existing 276th Street terminates at Gwinn Road and does not directly connect to SR 19. Beck's Superior Hybrids is located 0.3 mile west of the 276th Street/Gwinn Road Intersection. The existing 276th Street consists of one 9 to 10-foot wide travel lane and one 0 to 4-foot wide shoulder in each direction. The existing pavement has deteriorated and shows signs of edge cracking, moderate longitudinal and transverse cracking and minor raveling. The existing roadway does not allow for the safe travel of trucks and cars in opposing directions. The proposed expansion of Beck's Superior Hybrids is expected to increase truck traffic and cause driving conditions to further deteriorate. The purpose of the project is to provide a safe and efficient route from SR 19 to 276th Street and to accommodate the expected increase in truck traffic volume associated with Beck's Superior Hybrids.

The majority of the alignment is on new terrain; however a portion of the alignment will follow the existing 281st Street. The project includes realigning 276th Street beginning approximately 0.60 mile west of Gwinn Road; the project will then head in a northeasterly direction for approximately 0.7 mile, head east for approximately 1.2 miles and terminate at the 281st Street/SR 19 Intersection. The project will consist of one 12-foot wide travel lane and one 4-foot wide usable (3-foot paved) shoulder in each direction. To minimize impacts to the residence located in the southwest quadrant of the 281st Street/SR 19 Intersection, the roadway will consist of one 12-foot travel lane bordered by curb with a 2-foot offset in each direction (from the at-grade railroad crossing east to SR 19). To avoid impacts to the farm located north and south of 276th Street approximately 0.2 mile west of the 281st/SR 19 Intersection, the roadway will be shifted north.

The western project terminus will include constructing a roundabout that will safely accommodate the expected truck traffic generated by the expansion of Beck's Superior Hybrids. The at-grade railroad crossing located approximately 0.10 mile west of the 281st Street/SR 19 Intersection will be improved with gates and signals. New signage will also be installed.

Ditches will be constructed to accommodate the drainage of the new roadway. A large drainage structure located approximately 290 feet west of the 281st Street/SR 19 Intersection will be replaced. The project will replace or reconstruct additional pipes. The approximate depth of excavation is three to five feet.

The majority of the project will be constructed without impacting existing traffic patterns due to the new terrain alignment. Portions of the project impacting existing roadways will be constructed in phases with detours that allow adjacent property owners and vehicular traffic to access SR 19 and all other major roadways. Approximately 20.2 acres of permanent right-of-way will be required. The amount of temporary right-of-way needed will be determined during later design. All right-of-way required from Beck’s Superior Hybrids will be donated to the County. Relocations of residences or businesses are not anticipated; however, one barn will be removed. Estimated construction cost is \$4,450,000.

*A portion of 276th Street Phase I Extension Project (DES Number 1383334) will now be included in this project. This work includes resurfacing of existing 276th Street from the bridge over Little Cicero Creek east to Gwinn Road. This work was documented in a CE-4 document that was approved by INDOT on February 24, 2016. The cost of this work is \$450,000. This portion of 276th Street was also covered in the Red Flag Investigation (RFI) that was completed for Des. No. 1383334, which was approved as part of the approved CE-4. No other concerns, other than what is discussed below, were documented within this portion 276th Street.

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 | N/A | Recreational Facilities | NA |
| Airports | N/A | Pipelines | 2 |
| Cemeteries | N/A | Railroads | 1 |
| Hospitals | N/A | Trails | 2 |
| Schools | 1 | Managed Lands | N/A |

Pipelines: Two natural gas pipelines are mapped within the eastern Red Flag Investigation (RFI) half-mile radius investigation area. One pipeline transects 281st Street approximately 0.09 mile west of the 281st Street/SR 19 Intersection. Because the pipeline is within the project area, coordination with INDOT Utilities and Railroad should occur.

Railroads: One railroad is mapped within the eastern RFI investigation area. The Norfolk and Western Railroad crosses 281st Street approximately 0.12 mile west of the 281st Street/SR 19 Intersection. Impacts to this railroad are anticipated and coordination with INDOT Utilities and Railroad should occur.

Trails: Two *potential* trails (both managed by the Hamilton County Planning Commission) are mapped within the eastern RFI investigation area. One potential trail would be adjacent to SR 19 from 234th Street north to Arcadia; the other potential trail would follow the Norfolk and Western Railroad from Carmel north to the county line. Coordination with the Hamilton County Planning Commission will occur and Section 4(f) coordination will be necessary.

Schools: One school is mapped within the southeastern RFI investigation area. The Hamilton Heights School Corporation symbol appears to reference the Hamilton Heights High School which is approximately 1.6 miles south of the southern RFI investigation area. Impacts are not anticipated.

| 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 - Points | N/A | NWI - Wetlands | 9 |
| Karst Springs | N/A | IDEM 303d Listed Lakes | N/A |
| Canal Structures – Historic | N/A | Lakes | 2 |
| NWI - Lines | 2 | Floodplain - DFIRM | 2 |
| IDEM 303d Listed Rivers and Streams (Impaired) | 1 | Cave Entrance Density | N/A |
| Rivers and Streams | 8 | Sinkhole Areas | N/A |
| Canal Routes - Historic | N/A | Sinking-Stream Basins | N/A |
| Urbanized Area Boundary (UAB) | N/A | | |

NWI – Wetlands: Nine National Wetlands Inventory (NWI) wetland polygons are mapped within the western and eastern RFI investigation area. The closest mapped wetlands are approximately 0.03 and 0.05 mile northwest of the southwest project limits. Impacts are not anticipated. A *Waters of the US Determination Report* will be completed and permits may be required through the US Army Corps of Engineers (USACE) and the Indiana Department of Environmental Management (IDEM) Office of Water Quality.

Lakes: Two lakes are mapped the within the western and eastern RFI investigation area. One is Little Cicero Creek and one is Cicero Creek. The closest mapped lake/stream is approximately 0.05 mile west of the southwest project limits. Impacts are not anticipated. A *Waters of the US Determination Report* will be completed and permits may be required through the USACE and the IDEM Office of Water Quality.

NWI – Lines: Two NWI lines are mapped within the southwestern RFI investigation area. The lines are associated with Little Cicero Creek which is approximately 0.04 mile west of the southwest project limits. Impacts are not anticipated. A *Waters of the US Determination Report* will be completed and permits may be required through the USACE and the IDEM Office of Water Quality.

Floodplain – DFIRM: Two floodplains are mapped within the western and eastern RFI investigation area. They are associated with Little Cicero Creek and Cicero Creek. The closest mapped floodplain is adjacent to the southwest project limits. Impacts may occur. Coordination with the Indiana Department of Natural Resources (IDNR) will occur.

IDEM 303d Listed Rivers and Streams (Impaired): One impaired stream is mapped with the southwest RFI investigation area. Little Cicero Creek is approximately 0.04 mile west of the southwest project limits. The stream is impaired with *E. coli*. Impacts are not anticipated. Workers who will be in or near water with *E. coli* should take care to wear appropriate personal protective equipment (PPE), observe proper hygiene procedures, including regular hand washing, and limit personal exposure.

Rivers and Streams: Eight streams are mapped within the western and eastern RFI investigation area. One unnamed tributary (UNT) of Cicero Creek is adjacent to the project area. Impacts may occur. A *Waters of the US Determination Report* will be completed and permits may be required through the USACE and the IDEM Office of Water Quality.

The project is located outside the Karst Memorandum of Understanding (MOU) Potential Karst Features Region.

| 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 | 4 | Petroleum Fields | 1 |
| Mines – Surface | N/A | Mines – Underground | N/A |

Petroleum Wells: Four petroleum wells are mapped within the RFI investigation area. The closest well is approximately 0.15 mile north of 276th Street. Impacts are not anticipated.

Petroleum Fields: The entire project area is mapped within a petroleum field. Due to the project scope, impacts are not expected.

| 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) | 1 | Underground Storage Tanks | N/A |
| 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 | | |

Leaking Underground Storage Tanks (LUSTs): One LUST is mapped within the RFI investigation area. The LUST is associated with Beck’s Superior Hybrids. Per the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC), records indicate that a *No Further Action* was issued for Beck’s Superior Hybrids on January 21, 2003. Impacts are not anticipated. This LUST site was also documented in the RFI completed for Des. No. 1383334.

Beck's Superior Hybrids was a Conditionally Exempt Small Quantity Generator in 2013, and four USTs are currently in use at the site. No record of possible releases was noted in a review of the VFC.

Ecological Information

The Hamilton 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. Coordination with the US Fish and Wildlife Service (USFWS) and the IDNR will occur.

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. Preparation of the Scoping Sheet for the Indiana Bat and Northern Long-eared Bat Range-Wide Programmatic Information Consultation will be required.

Little Cicero Creek is approximately 0.04 mile west of the southwest project limits. The bridge associated with this stream will not be impacted. A small structure associated with an UNT of Cicero Creek is adjacent to the project area and may be impacted. A review of the Indiana Bridge Inspection Application System (BIAS) did not yield any information on this county pipe culvert. A field inspection of the small structure to check for bats will be necessary.

Cultural Resources

The *National Register of Historic Places* (NRHP) and the *Indiana Register of Historic Sites and Structures* (State Register) were checked using the *State Historic Architectural and Archaeological Research Database* (SHAARD) and SHAARD GIS. No resources are listed on the NRHP or State Register near the project area. The *Indiana Historic Sites and Structures Inventory* (IHSSI) Hamilton County Interim Report (1992) data was examined. The Interim Report identified six resources near the project area: five “Contributing” rated properties (IHSSI #s 057-020-05010, 05011, 05012, 05014, 05015), and one “Outstanding” rated resource (The Waltz Farmhouse, IHSSI # 057-020-05009). The Waltz Farmhouse was previously determined eligible in 2015 during the Section 106 process for the 276th Street Road Rehabilitation Project (DES Number: 1383334). The cemetery registry was also consulted using SHAARD and SHAARD GIS. No cemeteries were identified near the project area. The *Indiana Historic Bridge Inventory Volume 2: Listing of Historic and Non-Historic Bridges* (February 2009) by Mead and Hunt was also reviewed. No bridges eligible for listing in the NRHP were identified near the project area.

Due to the project scope, full Section 106 coordination will be necessary. Coordination will occur with INDOT Cultural Resources.

RECOMMENDATIONS

INFRASTRUCTURE:

- One pipeline transects 281st Street approximately 0.09 mile west of the 281st Street/SR 19 Intersection. Because the pipeline is within the project area, coordination with INDOT Utilities and Railroad should occur.
- The Norfolk and Western Railroad crosses 281st Street approximately 0.12 mile west of the 281st Street/SR 19 Intersection. Impacts to this railroad are anticipated and coordination with INDOT Utilities and Railroad should occur.
- One potential trail would be adjacent to SR 19 from 234th Street north to Arcadia; the other potential trail would follow the Norfolk and Western Railroad from Carmel north to the county line. Coordination with the Hamilton County Planning Commission will occur and Section 4(f) coordination will be necessary.

WATER RESOURCES:

The presence of the following water resources will require preparation of a *Waters of the US Determination Report*:

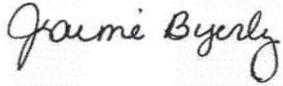
- Mapped NWI wetlands are approximately 0.03 and 0.05 mile northwest of the southwest project limits.
- Mapped lake/stream is approximately 0.05 mile west of the southwest project limits.
- Mapped floodplain is adjacent to the southwest project limits. Coordination with the IDNR will occur.
- Little Cicero Creek is approximately 0.04 mile west of the southwest project limits. The stream is impaired with *E. coli*. Workers who will be 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.
- One UNT of Cicero Creek is adjacent to the project area.

HAZMAT CONCERNS: N/A

ECOLOGICAL INFORMATION: Coordination with the USFWS and the IDNR will occur. A field inspection of the small structure over the UNT of Cicero Creek to check for bats will be necessary. Preparation of the Scoping Sheet for the Indiana Bat and Northern Long-eared Bat Range-Wide Programmatic Information Consultation will be required.

CULTURAL RESOURCES: Due to the project scope, full Section 106 coordination will be necessary. Coordination will occur with INDOT Cultural Resources.

Prepared by:



Jaime Byerly
RQAW Corporation

Concur: **Marlene Mathas** Digitally signed by Marlene Mathas
DN: cn=Marlene Mathas, o=INDOT Environmental Services,
ou=Hazardous Materials, email=mmathas@indot.in.gov, c=US
Date: 2017.01.30 12:38:58 -05'00'

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. If there is not a section map included, please change the YES to N/A:

GENERAL SITE MAP SHOWING PROJECT AREA: Yes

INFRASTRUCTURE: Yes

WATER RESOURCES: Yes

MINING/MINERAL EXPLORATION: Yes

HAZMAT CONCERNS: Yes

UNITED STATES GEOLOGICAL SURVEY (USGS) TOPOGRAPHIC MAP: Yes

COUNTY LISTING OF THE INDIANA NATURAL HERITAGE DATA CENTER: Yes

Note: The General site and topographic maps have been removed to reduce file size. These maps can be found in Appendix B of this CE document.

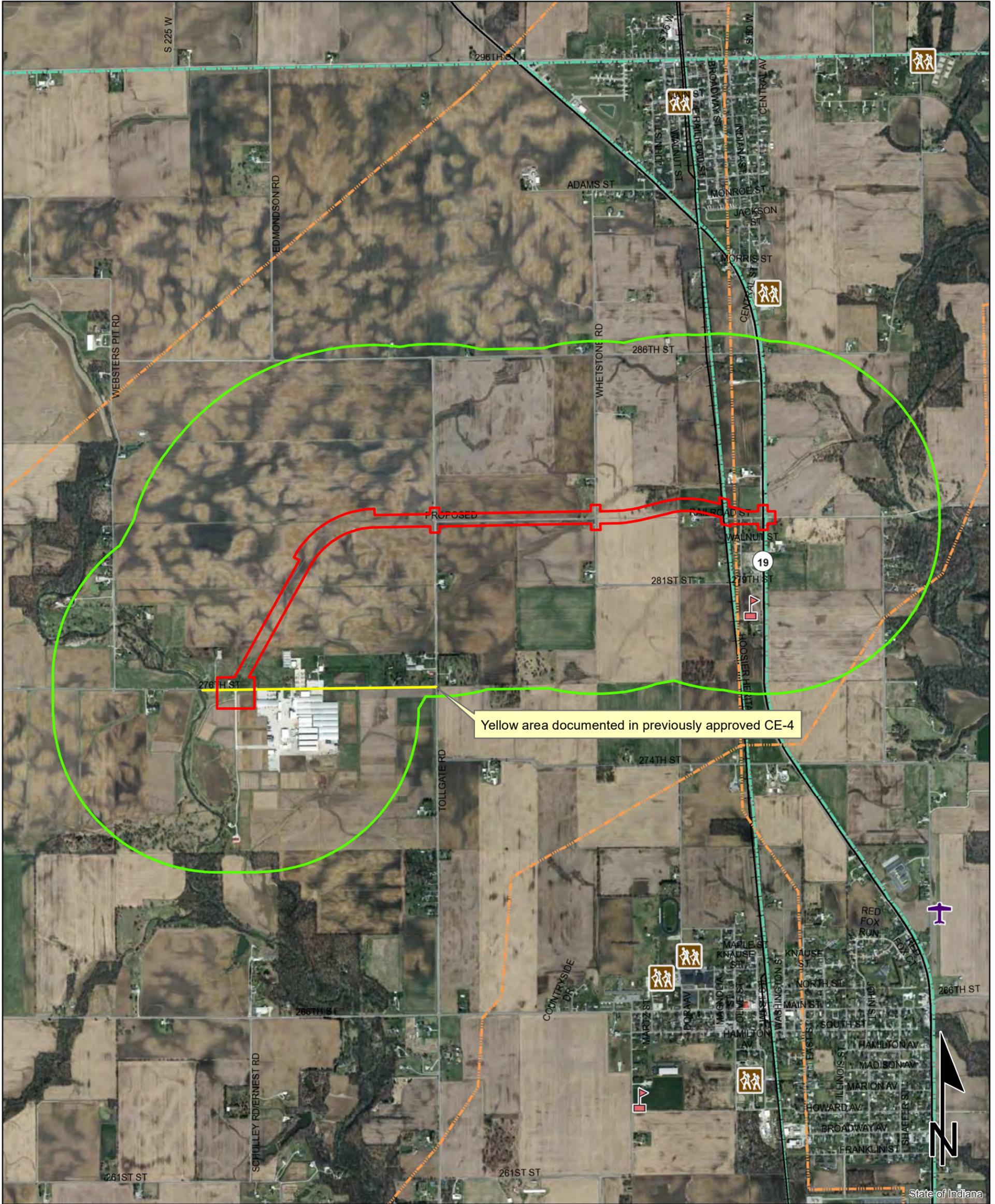
The alignment shown in the RFI maps was modified subsequent to the approval of the RFI. Please see the Appendix B, page 3 for the Refinement of Original Alignment to Preferred Alignment Map.

Red Flag Investigation - Infrastructure

276th Street Extension Project

DES Number: 1600597

Hamilton County, Indiana



Sources: 0.35 0.175 0 0.35 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.

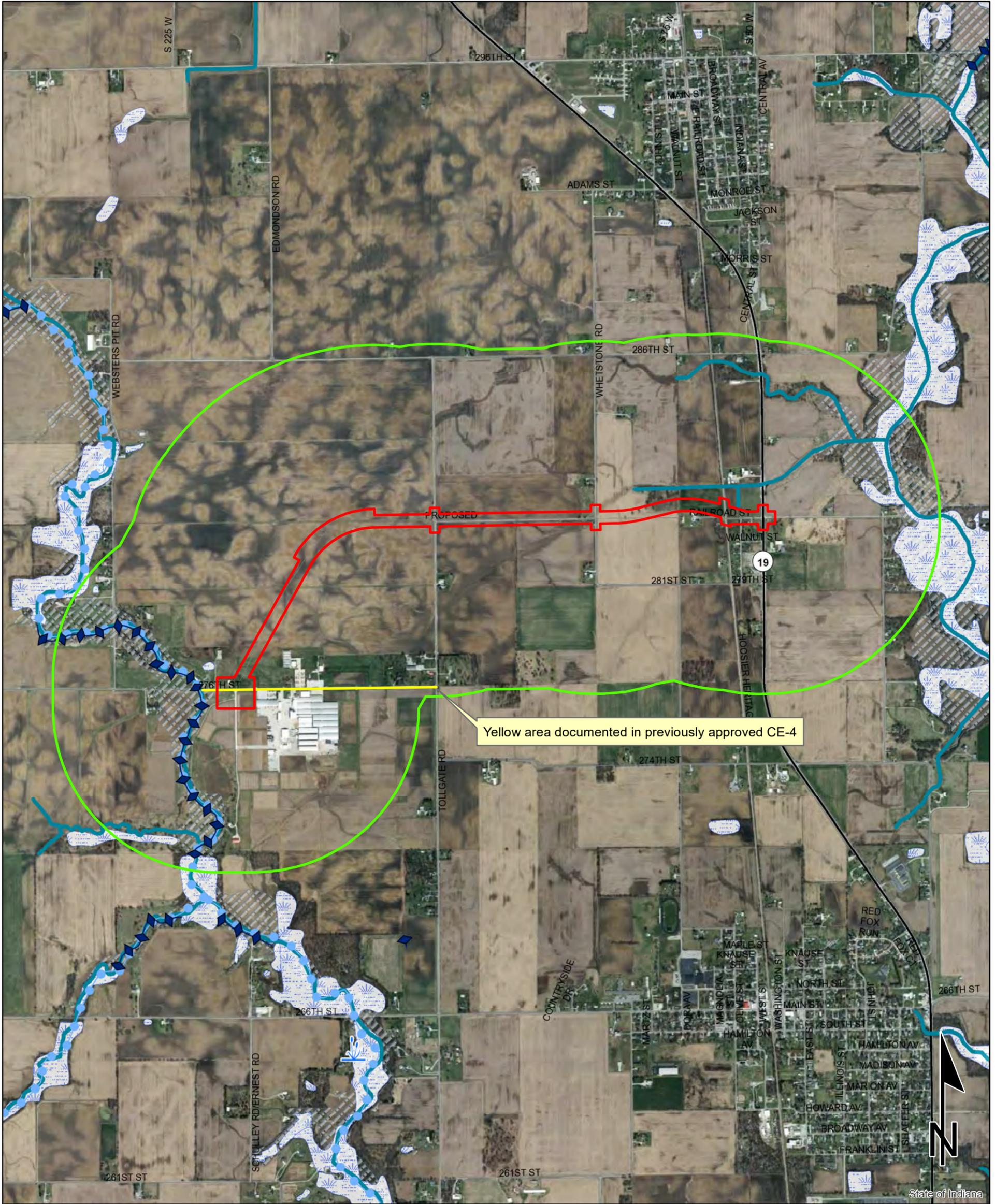
| | | | | | |
|--|--------------------|--|---------------------|--|------------------|
| | Religious Facility | | Recreation Facility | | Project Area |
| | Religious Facility | | Pipeline | | Half Mile Radius |
| | Indiana Map | | Railroad | | Interstate |
| | Airport | | Trails | | State Route |
|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

Red Flag Investigation -Water Resources

276th Street Extension Project

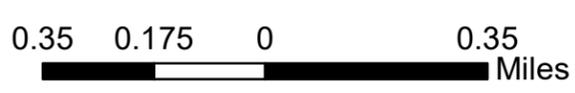
DES Number: 1600597

Hamilton County, Indiana



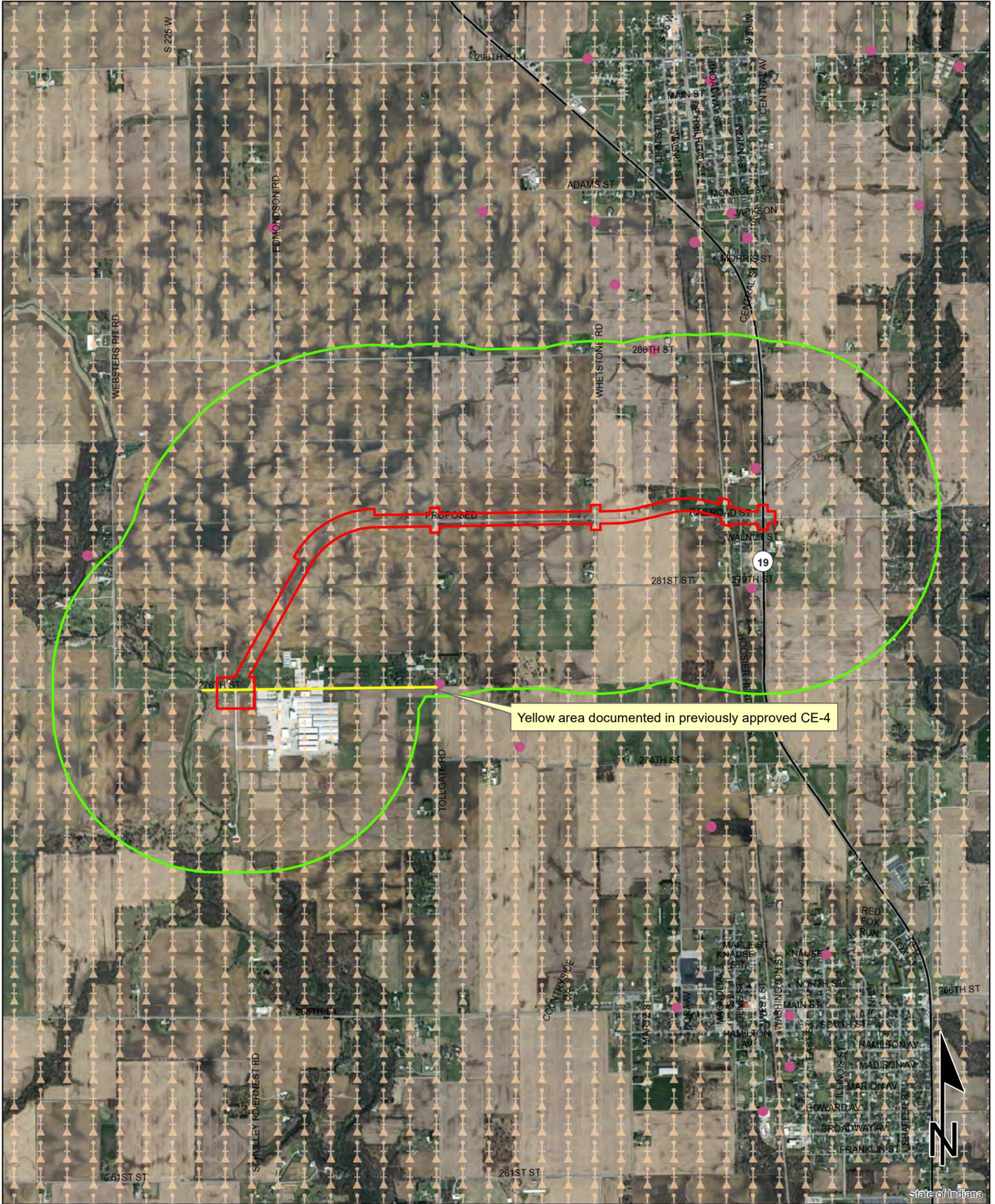
Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

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



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

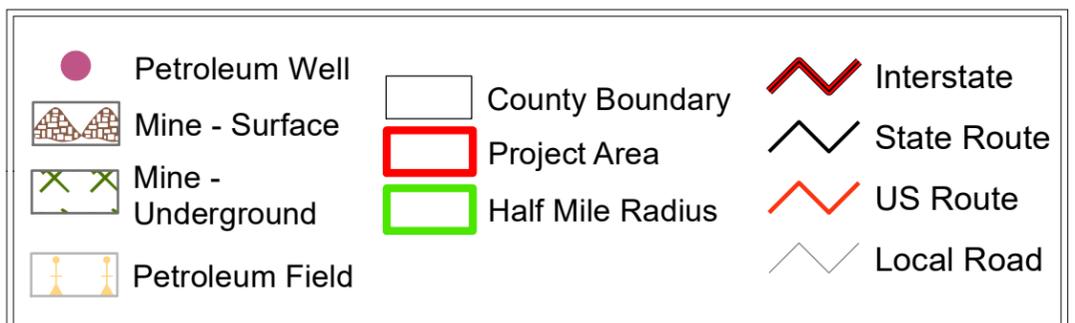
Red Flag Investigation - Mining/Mineral Exploration 276th Street Extension Project DES Number: 1600597 Hamilton County, Indiana



0.35 0.175 0 0.35 Miles

Sources:
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.

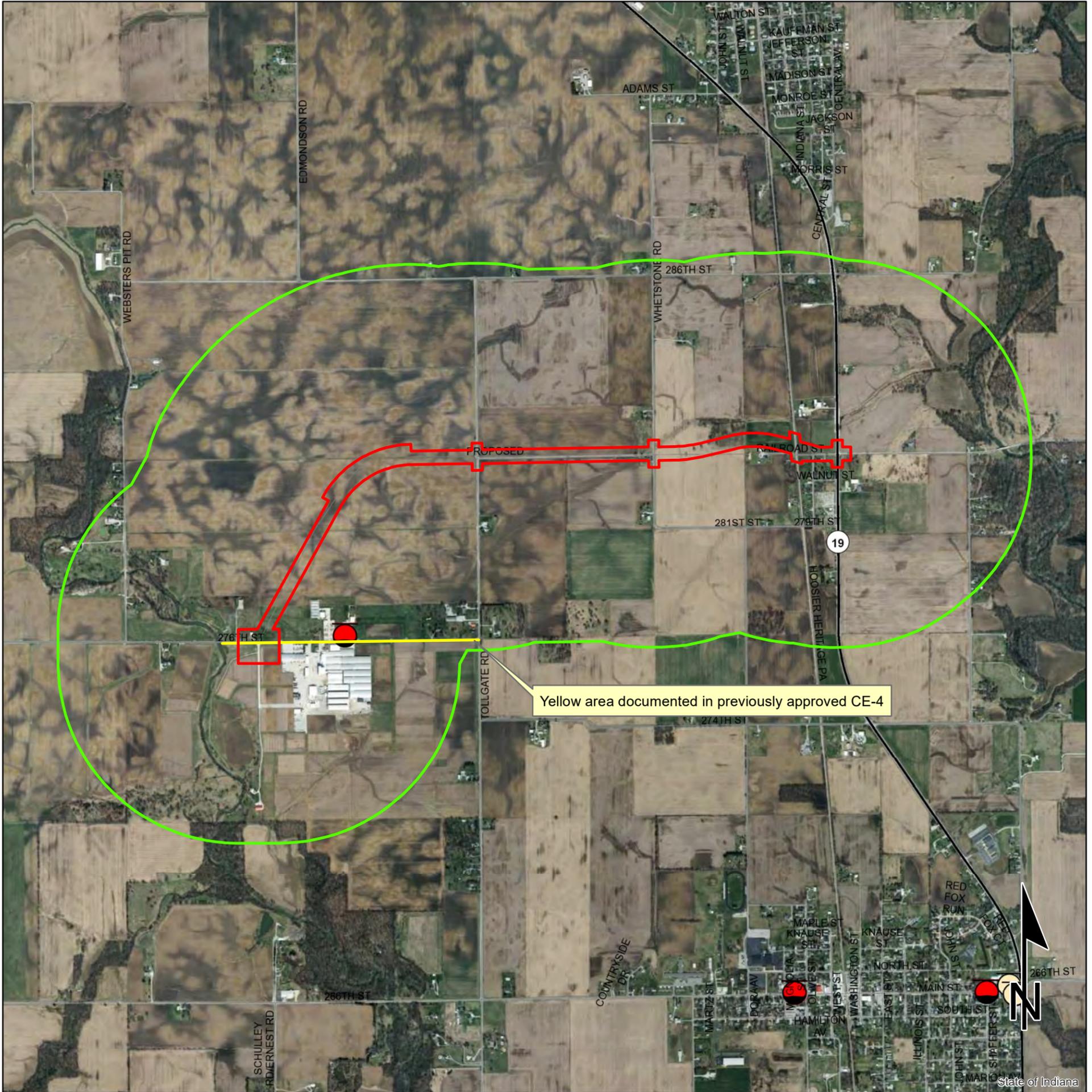


Red Flag Investigation - HazMat Concerns

276th Street Extension Project

DES Number: 1600597

Hamilton County, Indiana



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



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

Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

Indiana County Endangered, Threatened and Rare Species List

County: Hamilton

| Species Name | Common Name | FED | STATE | GRANK | SRANK |
|--------------------------------------|---------------------------|-----|-------|---------|-------|
| Mollusk: Bivalvia (Mussels) | | | | | |
| Epioblasma torulosa rangiana | Northern Riffleshell | LE | SE | G2T2 | SX |
| Epioblasma triquetra | Snuffbox | LE | SE | G3 | S1 |
| Lampsilis fasciola | Wavyrayed Lampmussel | | SSC | G5 | S3 |
| Ligumia recta | Black Sandshell | | | G4G5 | S2 |
| Obovaria subrotunda | Round Hickorynut | | SE | G4 | S1 |
| Plethobasus cyphus | Sheepnose | LE | SE | G3 | 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 |
| Venustaconcha ellipsiformis | Ellipse | | SSC | G4 | S2 |
| Villosa fabalis | Rayed Bean | LE | SE | G2 | S1 |
| Villosa lienosa | Little Spectaclecase | | SSC | G5 | S3 |
| Insect: Odonata (Damselflies) | | | | | |
| Enallagma divagans | Turquoise Bluet | | SR | G5 | S3 |
| Amphibian | | | | | |
| Acris blanchardi | Northern Cricket Frog | | SSC | G5 | S4 |
| Lithobates pipiens | Northern Leopard Frog | | SSC | G5 | S2 |
| Necturus maculosus | Common mudpuppy | | SSC | G5 | S2 |
| Reptile | | | | | |
| Clemmys guttata | Spotted Turtle | | SE | G5 | S2 |
| Sistrurus catenatus catenatus | Eastern Massasauga | C | SE | G3G4T3Q | S2 |
| Bird | | | | | |
| Bartramia longicauda | Upland Sandpiper | | SE | G5 | S3B |
| Buteo lineatus | Red-shouldered Hawk | | SSC | G5 | S3 |
| Certhia americana | Brown Creeper | | | G5 | S2B |
| Dendroica cerulea | Cerulean Warbler | | SE | G4 | S3B |
| Haliaeetus leucocephalus | Bald Eagle | | SSC | G5 | S2 |
| Ixobrychus exilis | Least Bittern | | SE | G5 | S3B |
| Lanius ludovicianus | Loggerhead Shrike | | SE | G4 | S3B |
| Nycticorax nycticorax | Black-crowned Night-heron | | SE | G5 | S1B |
| Thryomanes bewickii | Bewick's Wren | | | G5 | S1B |
| Mammal | | | | | |
| Taxidea taxus | American Badger | | SSC | G5 | S2 |
| Vascular Plant | | | | | |
| Armoracia aquatica | Lake Cress | | SE | G4? | S1 |
| Chelone obliqua var. speciosa | Rose Turtlehead | | WL | G4T3 | S3 |
| Drosera intermedia | Spoon-leaved Sundew | | SR | G5 | S2 |

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: Hamilton

| Species Name | Common Name | FED | STATE | GRANK | SRANK |
|---------------------------------------|-------------------------------------|-----------|-----------|-------------|-----------|
| Platanthera leucophaea | Prairie White-fringed Orchid | LT | SE | G2G3 | S1 |
| High Quality Natural Community | | | | | |
| Forest - floodplain wet-mesic | Wet-mesic Floodplain Forest | | SG | G3? | S3 |
| Forest - upland mesic | Mesic Upland Forest | | SG | G3? | S3 |

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

HAZARDOUS MATERIALS SITE VISIT FORM

Des. Number: 1600597 Project Number: N/A Type of Project: Road Extension
Description of Area (either general location or exact location of parcel): The project is located on 276th Street from 0.60 mile west of Gwinn Road northeast to 181st Street/SR 19 in Hamilton County, Indiana.

Person Completing Field Check: Joe Dabkowski of RQAW on November 11, 2016 and March 24, 2017

1. **Has a Red Flag Investigation been completed?** Yes No

Notes: The Red Flag Investigation was completed by RQAW on November 22, 2016. It was modified and resubmitted to INDOT on January 17, 2017 and approved by INDOT on January 30, 2017. One LUST associated with Beck's Superior Hybrids was noted. Per the IDEM Virtual File Cabinet (VFC), records indicate that a *No Further Action* was issued for Beck's Superior Hybrids on January 21, 2003. Beck's Superior Hybrids was a Conditionally Exempt Small Quantity Generator in 2013, and four USTs are currently in use at the site. No record of possible releases was noted in a review of the VFC. Several above-ground storage tanks associated with Beck's Superior Hybrids were observed during the field check.

2. **Right-of-Way Requirements:**

No New ROW Strip ROW Minor Take Whole Parcel Take Information Not Available

Notes:

3. **Land Use History and Development:** (Industrial, Light Industry, Commercial, Agricultural, Residential, Other – also, indicate source of data: visual inspection, aerial photos, U.S.G.S. topo maps, etc.)
Setting (rural or urban): Rural – visual inspection, aerial photos, USGS map
Current Land Uses: Agricultural, commercial, residential – visual inspection, aerial photos, USGS map
Previous Land Uses: Agricultural, residential – visual inspection, aerial photos, USGS map
Adjacent Land Uses: Agricultural, residential – visual inspection, aerial photos, USGS map
Describe any Structures on the property: 276th Street, 281st Street, adjoining agricultural and residential properties

| 4. Visual Inspection: | Property | Adjoining Property | Property | Adjoining Property |
|------------------------------|----------|--------------------|-----------------------------------|--------------------|
| Storage Structures: | | | Evidence of Contamination: | |
| Underground Tanks | _____ | _____ | Junkyard | _____ |
| Surface Tanks | _____ | <u>X</u> | Auto Graveyard | _____ |
| Transformers | _____ | _____ | Surface Staining | _____ |
| Sumps | _____ | _____ | Oil Sheen | _____ |
| Ponds/Lagoons | _____ | _____ | Odors | _____ |
| Drums | _____ | _____ | Vegetation Damage | _____ |
| Basins | _____ | _____ | Dumps | _____ |
| Landfills | _____ | _____ | Fill Dirt Evidence | _____ |
| Other | _____ | _____ | Vent pipes or fill pipes | _____ |
| | | | Other | _____ |

5. **Is a Phase I, Initial Site Assessment required?** Yes No