

Des 1700162 and Des 1700161 CE-2

Appendix C

Early Coordination



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N642
Indianapolis, Indiana 46204

PHONE: (317) 233-6795

Eric J. Holcomb, Governor
Joe McGuinness, Commissioner

January 21, 2020

Sample early coordination letter. Graphics and photos from Appendix B were attached.

Re: Des. No. 1700162 (Lead) and 1700161, US 50 at CR 1225 E and CR 1250 E Intersection Improvement Project - Jackson County, Indiana

Agency Representative,

The Indiana Department of Transportation (INDOT) and Federal Highway Administration (FHWA) intend to proceed with an intersection improvement project at the intersections of US and CR 1225 E (Des 1700161) and CR 1250 E (1700162) in Jackson County, Indiana. This letter is part of the early coordination phase of the environmental review process. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above designation number (Des. No.) and description in your reply. We will incorporate your comments into a study of the project's environmental impacts.

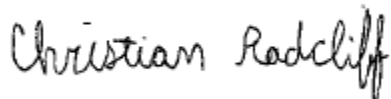
This project is located along approximately 0.4 mile of US 50 between CR 1225 E and CR 1250 E. Specifically, the project is located in Section 13, Township 6 N, Range 6 East as shown on the Chestnut Ridge, Indiana 7.5 minute quadrangle map. The existing roadway is a two-lane roadway providing 12-foot wide travel lanes and 3-foot wide paved shoulders. The roadway experiences extended queue lines from eastbound traffic turning north into an apartment complex on the north side of the road near CR 1225 E, and from traffic turning north onto CR 1250 E. This is causing traffic delays and a higher potential for collisions. The roadway has a posted speed limit of 55mph.

This project proposes to widen the existing roadway to the south and construct a two-way left turn lane from CR 1225 E to approximately 1,700 feet east of the intersection. A dedicated turn lane will be constructed from approximately 1,700 feet east of the intersection of CR 1225 E and US 50 to the intersection of CR 1250 E and US 50. The two drives for the commercial businesses and the apartment complex near CR 1225 E will be consolidated to restrict access to allow for uninterrupted flow on US 50. New guardrail will be installed near the existing box culvert east of CR 1250 E. Existing drive pipes on the south side of US 50 will be removed and replaced with new pipes. Traffic is anticipated to be maintained through lane restrictions and shifting traffic away from the construction area. The usable lanes during maintenance of traffic will be approximately 11 feet in width and will provide 1-foot wide shoulders. Right of way acquisition is anticipated to be more than 0.5 acre. Right of way quantities will be defined during the design process.

Land use in the vicinity of the project is primarily agricultural to the north of US 50 and forested to the south of US 50, with interspersed residences throughout. The Muscatatuck National Wildlife Refuge, which is managed by the US Fish and Wildlife Service (USFWS), is located on the south side of US 50. A Waters of the US Report will be completed to identify any ecological resources that may be present. The USFWS range-wide programmatic informal consultation for the Indiana bat and northern long-eared bat will be completed for this project. An historical investigation will be completed to satisfy the requirement of Section 106 of the National Historic Preservation Act.

Please respond with comments, questions, and concerns **within thirty (30) calendar days** from the date of this letter; if no response is received, it will be assumed that your agency feels that there are no adverse effects incurred as a result of this proposed project. However, should you find that an extension to the response time is necessary, a reasonable amount may be granted upon request. If you have any questions regarding this matter, please feel free to contact Christian Radcliff at Green 3, LLC at christian@green3studio.com or 317-634-4110, or INDOT Project Manager Karlei Metcalf at kmetcalf1@indot.in.gov or 812-524-3792. Thank you in advance for your input on this project.

Sincerely,



Christian Radcliff
Green 3, LLC

Enclosures:
Mailing List
Project Maps
Ground Level Photographs



April 6, 2021

Re: Des No 1700162 (Lead) and 1700161, US 50 at CR 1225 E and CR 1250 E Intersection Improvement Project - Jackson County, Indiana

Agency Representative,

The Indiana Department of Transportation (INDOT) and Federal Highway Administration (FHWA) intend to proceed with an intersection improvement project at the intersections of US and CR 1225 E (Des No 1700161) and CR 1250 E (Des No 1700162) in Jackson County, Indiana. This letter is part of the early coordination phase of the environmental review process. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above designation number (Des No) and description in your reply. We will incorporate your comments into a study of the project's environmental impacts.

This project is located along US 50 between CR 1225 E and CR 1250 E and is approximately 0.4 mile in length. Specifically, the project is located in Section 13, Township 6 N, Range 6 East as shown on the Chestnut Ridge, Indiana 1:24,000 quadrangle map. The existing roadway is a two-lane roadway providing two (2) 12-foot wide travel lanes and two (2) 3-foot wide paved shoulders with a posted speed limit of 55 mph. The roadway experiences extended queue lines from eastbound traffic turning north into an apartment complex on the north side of the road near CR 1225 E, and from traffic turning north onto CR 1250 E. This is causing traffic delays and a higher potential for collisions.

An early coordination letter was sent on January 21, 2020 detailing the scope of the project. The initial scope of the project included widening the existing roadway to the south to accommodate the dedicated turn lanes on US 50. A two-way left turn lane from CR 1225 E to approximately 1,700 feet east of the intersection will be constructed. A dedicated turn lane will be constructed from approximately 1,700 feet east of the intersection of CR 1225 E and US 50 to the intersection of CR 1250 E and US 50. The two drives for the commercial businesses and the apartment complex near CR 1225 E will be consolidated to restrict access to allow for uninterrupted flow on US 50. New guardrail will be installed near the existing box culvert east of CR 1250 E.

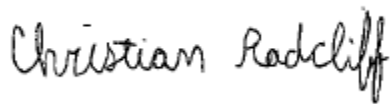
The updated scope will widen the roadway to the north and leave the area south of US 50 undisturbed to avoid impacts to the Muscatatuck National Wildlife Refuge. Traffic is anticipated to be maintained through lane restrictions and shifting traffic away from the construction area. The usable lanes during maintenance of traffic will be approximately 11 feet in width and will provide 1-foot wide shoulders. Right of way acquisition is anticipated to be more than 0.5 acre. Right of way quantities will be defined during the design process.

Land use in the vicinity of the project is primarily agricultural to the north of US 50 and forested to the south of US 50, with interspersed residences throughout. The Muscatatuck National Wildlife Refuge, which is managed by the US Fish and Wildlife Service (USFWS), is located on the south side of US 50. A Waters of the US Report will be completed to identify any ecological resources that may be present. The USFWS range-wide programmatic informal consultation for the Indiana bat and northern long-eared

bat will be completed for this project. An historical investigation will be completed to satisfy the requirement of Section 106 of the National Historic Preservation Act.

Please respond with comments, questions, and concerns **within thirty (30) calendar days** from the date of this letter; if no response is received, it will be assumed that your agency feels that there are no adverse effects incurred as a result of this proposed project. However, should you find that an extension to the response time is necessary, a reasonable amount may be granted upon request. If you have any questions regarding this matter, please feel free to contact Christian Radcliff at SJCA Inc at cradcliff@sjcainc.com or 317-634-4110, or INDOT Project Manager Karlei Metcalf at kmetcalf1@indot.in.gov or 812-524-3792. Thank you in advance for your input on this project.

Sincerely,



Christian Radcliff
SJCA Inc

Enclosures:
Mailing List
Project Maps
Ground Level Photographs

**US 50 and CR 1225 E and CR 1250 E Intersection Improvement Project, Des 1700162
(Lead) and Des 1700161**

Early Coordination Notice sent to the Following Agencies:

U.S. Fish and Wildlife Service
Bloomington, Indiana Field Office
Robin_mewilliams@fws.gov

US Department of Housing and Urban Development
Chicago Regional Office
Melanie.h.castillo@hud.gov

Federal Highway Administration
Seymour District
Erica.tait@dot.gov

Indiana Department of Transportation
Seymour District Environmental Manager
ddy@indot.in.gov

State Conservationist
Natural Resources Conservation Service
rick.neilson@in.usda.gov

Indiana Department of Transportation
Project Manager
Kmetcalf1@indot.in.gov

US Forest Service – Hoosier National Forest
Forest Supervisor
kamick@fs.fed.us

US Army Corps of Engineers
Louisville District
gregory.a.mckay@usace.army.mil

Indiana Geological Survey
Online Submission:
<https://igws.indiana.edu/eAssessment/>

Jackson County Surveyor
Daniel Blann
dblann@jacksoncounty.in.gov

Environmental Coordinator
Indiana Department of Natural Resources
Division of Fish and Wildlife
environmentalreview@dnr.in.gov

Jackson County Floodplain Administrator
Conner Barnette
cbarnette@jacksoncounty.in.gov

Indiana Department of Environmental Management
Online Submission
<https://www.in.gov/idem/5284.htm>

Jackson County Commissioners – District 2
Bob Gillaspy
auditor@jacksoncounty.in.gov

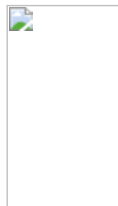
Indiana Department of Environmental
Management
Groundwater Section
<http://www.in.gov/idem/cleanwater/pages/wellhead/>

Jackson County Highway Superintendent
Jerry Ault
jault@jacksoncounty.in.gov

Muscatatuck National Wildlife Refuge
muscatatuck@fws.gov

IDEM Groundwater Section
Alisha Turnbow
aturnbow@idem.in.gov

Regional Environmental Coordinator
Midwest Regional Office
National Park Service
Mwro_compliance@nps.gov



Indiana Department of Environmental Management

We Protect Hoosiers and Our Environment.

100 North Senate Avenue - Indianapolis, IN 46204
(800) 451-6027 - (317) 232-8603 - www.idem.IN.gov

INDOT

100 N Senate Avenue
Indianapolis , IN 46204
Date

Green 3, LLC
Christian Radcliff
1104 Prospect Street
Indianapolis , IN 46203

To Engineers and Consultants Proposing Roadway Construction Projects:

RE: This project involves the reconstruction of the intersections of US 50 and CR 1225 and CR 1250 to address long queue lines at peak traffic flow.

This letter from the Indiana Department of Environmental Management (IDEM) serves as a standardized response to enquiries inviting IDEM comments on roadway construction, reconstruction, or other improvement projects within existing roadway corridors when the proposed scope of the project is beneath the threshold requiring a formal National Environmental Policy Act-mandated Environmental Assessment or Environmental Impact Statement. As the letter attempts to address all roadway-related environmental topics of potential concern, it is possible that not every topic addressed in the letter will be applicable to your particular roadway project.

For additional information on specific roadway-related topics of interest, please visit the appropriate Web pages cited below, many of which provide contact information for persons within the various program areas who can answer questions not fully addressed in this letter. Also please be mindful that some environmental requirements may be subject to change and so each person intending to include a copy of this letter in their project documentation packet is advised to download the most recently revised version of the letter; found at: <http://www.in.gov/idem/5283.htm> (<http://www.in.gov/idem/5283.htm>).

To ensure that all environmentally-related issues are adequately addressed, IDEM recommends that you read this letter in its entirety, and consider each of the following issues as you move forward with the planning of your proposed roadway construction, reconstruction, or improvement project:

WATER AND BIOTIC QUALITY

1. Section 404 of the Clean Water Act requires that you obtain a permit from the U.S. Army Corps of Engineers (USACE) before discharging dredged or fill materials into any wetlands or other waters, such as rivers, lakes, streams, and ditches. Other activities regulated include the relocation, channelization, widening, or other such alteration of a stream, and the mechanical clearing (use of heavy construction equipment) of wetlands. Thus, as a project owner or sponsor, it is your responsibility to ensure that no wetlands are disturbed without the proper permit. Although you may initially refer to the U.S. Fish and Wildlife Service National Wetland Inventory maps as a means of identifying potential areas of concern, please be mindful that those maps do not depict jurisdictional wetlands regulated by the USACE or the Department of Environmental Management. A valid jurisdictional wetlands determination can only be made by the USACE, using the 1987 Wetland Delineation Manual.

USACE recommends that you have a consultant check to determine whether your project will abut, or lie within, a wetland area. To view a list of consultants that have requested to be included on a list posted by the USACE on their Web site, see USACE Permits and Public Notices (<http://www.lrl.usace.army.mil/orf/default.asp>) (<http://www.lrl.usace.army.mil/orf/default.asp>) and then click on "Information" from the menu on the right-hand side of that page. Their "Consultant List" is the fourth entry down on the "Information" page. Please note that the USACE posts all consultants that request to appear on the list, and that inclusion of any particular consultant on the list does not represent an endorsement of that consultant by the USACE, or by IDEM.

Much of northern Indiana (Newton, Lake, Porter, LaPorte, St. Joseph, Elkhart, LaGrange, Steuben, and Dekalb counties; large portions of Jasper, Starke, Marshall, Noble, Allen, and Adams counties; and lesser portions of Benton, White, Pulaski, Kosciusko, and Wells counties) is served by the USACE District Office in Detroit (313-226-6812). The central and southern portions of the state (large portions of Benton, White, Pulaski, Kosciusko, and Wells counties; smaller portions of Jasper, Starke, Marshall, Noble, Allen, and Adams counties; and all other Indiana counties located in north-central, central, and southern Indiana) are served by the USACE Louisville District Office (502-315-6733).

Additional information on contacting these U.S. Army Corps of Engineers (USACE) District Offices, government agencies with jurisdiction over wetlands, and other water quality issues, can be found at <http://www.in.gov/idem/4396.htm> (<http://www.in.gov/idem/4396.htm>). IDEM recommends that impacts to wetlands and other water resources be avoided to the fullest extent.

2. In the event a Section 404 wetlands permit is required from the USACE, you also must obtain a Section 401 Water Quality Certification from the IDEM Office of Water Quality Wetlands Program. To learn more about the Wetlands Program, visit: <http://www.in.gov/idem/4384.htm> (<http://www.in.gov/idem/4384.htm>).
3. If the USACE determines that a wetland or other water body is isolated and not subject to Clean Water Act regulation, it is still regulated by the state of Indiana . A State Isolated Wetland permit from IDEM's Office of Water Quality (OWQ) is required for any activity that results in the discharge of dredged or fill materials into isolated wetlands. To learn more about isolated wetlands, contact the OWQ Wetlands Program at 317-233-8488.
4. If your project will involve over a 0.5 acre of wetland impact, stream relocation, or other large-scale alterations to water bodies such as the creation of a dam or a water diversion, you should seek additional input from the OWQ Wetlands Program staff. Consult the Web at: <http://www.in.gov/idem/4384.htm> (<http://www.in.gov/idem/4384.htm>) for the appropriate staff contact to further discuss your project.
5. Work within the one-hundred year floodway of a given water body is regulated by the Department of Natural Resources, Division of Water. The Division issues permits for activities regulated under the follow statutes:
 - o IC 14-26-2 Lakes Preservation Act 312 IAC 11
 - o IC 14-26-5 Lowering of Ten Acre Lakes Act No related code
 - o IC 14-28-1 Flood Control Act 310 IAC 6-1
 - o IC 14-29-1 Navigable Waterways Act 312 IAC 6
 - o IC 14-29-3 Sand and Gravel Permits Act 312 IAC 6
 - o IC 14-29-4 Construction of Channels Act No related code

For information on these Indiana (statutory) Code and Indiana Administrative Code citations, see the DNR Web site at: <http://www.in.gov/dnr/water/9451.htm> (<http://www.in.gov/dnr/water/9451.htm>) . Contact the DNR Division of Water at 317-232-4160 for further information.

The physical disturbance of the stream and riparian vegetation, especially large trees overhanging any affected water bodies should be limited to only that which is absolutely necessary to complete the project. The shade provided by the large overhanging trees helps maintain proper stream temperatures and dissolved oxygen for aquatic life.

6. For projects involving construction activity (which includes clearing, grading, excavation and other land disturbing activities) that result in the disturbance of one (1), or more, acres of total land area, contact the Office of Water Quality – Watershed Planning Branch (317/233-1864) regarding the need for of a Rule 5 Storm Water Runoff Permit. Visit the following Web page
 - o <http://www.in.gov/idem/4902.htm> (<http://www.in.gov/idem/4902.htm>)

To obtain, and operate under, a Rule 5 permit you will first need to develop a Construction Plan (<http://www.in.gov/idem/4917.htm#constreq> (<http://www.in.gov/idem/4917.htm#constreq>)), and as described in 327 IAC 15-5-6.5 (<http://www.in.gov/legislative/iac/T03270/A00150> [PDF] (<http://www.in.gov/legislative/iac/T03270/A00150.PDF>), pages 16 through 19). Before you may apply for a Rule 5 Permit, or begin construction, you must submit your Construction Plan to your county Soil and Water Conservation District (SWCD) (<http://www.in.gov/isda/soil/contacts/map.html> (<http://www.in.gov/isda/soil/contacts/map.html>)).

Upon receipt of the construction plan, personnel of the SWCD or the Indiana Department of Environmental Management will review the plan to determine if it meets the requirements of 327 IAC 15-5. Plans that are deemed deficient will require re-submittal. If the plan is sufficient you will be notified and instructed to submit the verification to IDEM as part of the Rule 5 Notice of Intent (NOI) submittal. Once construction begins, staff of the SWCD or Indiana Department of Environmental Management will perform inspections of activities at the site for compliance with the regulation.

Please be mindful that approximately 149 Municipal Separate Storm Sewer System (MS4) areas are now being established by various local governmental entities throughout the state as part of the implementation of Phase II federal storm water requirements. All of these MS4 areas will eventually take responsibility for Construction Plan review, inspection, and enforcement. As these MS4 areas obtain program approval from IDEM, they will be added to a list of MS4 areas posted on the IDEM Website at: <http://www.in.gov/idem/4900.htm> (<http://www.in.gov/idem/4900.htm>).

If your project is located in an IDEM-approved MS4 area, please contact the local MS4 program about meeting their storm water requirements. Once the MS4 approves the plan, the NOI can be submitted to IDEM.

Regardless of the size of your project, or which agency you work with to meet storm water requirements, IDEM recommends that appropriate structures and techniques be utilized both during the construction phase, and after completion of the project, to minimize the impacts associated with storm water runoff. The use of appropriate planning and site development and appropriate storm water quality measures are recommended to prevent soil from leaving the construction site during active land disturbance and for post construction water quality concerns. Information and assistance regarding storm water related to construction activities are available from the Soil and Water Conservation District (SWCD) offices in each county or from IDEM.

7. For projects involving impacts to fish and botanical resources, contact the Department of Natural Resources - Division of Fish and Wildlife (317/232-4080) for addition project input.
8. For projects involving water main construction, water main extensions, and new public water supplies, contact the Office of Water Quality - Drinking Water Branch (317-308-3299) regarding the need for permits.
9. For projects involving effluent discharges to waters of the State of Indiana, contact the Office of Water Quality - Permits Branch (317-233-0468) regarding the need for a National Pollutant Discharge Elimination System (NPDES) permit.
10. For projects involving the construction of wastewater facilities and sewer lines, contact the Office of Water Quality - Permits Branch (317-232-8675) regarding the need for permits.

AIR QUALITY

The above-noted project should be designed to minimize any impact on ambient air quality in, or near, the project area. The project must comply with all federal and state air pollution regulations. Consideration should be given to the following:

1. Regarding open burning, and disposing of organic debris generated by land clearing activities; some types of open burning are allowed (<http://www.in.gov/idem/4148.htm> (<http://www.in.gov/idem/4148.htm>)) under specific conditions. You also can seek an open burning variance from IDEM.

However, IDEM generally recommends that you take vegetative wastes to a registered yard waste composting facility or that the waste be chipped or shredded with composting on site (you must register with IDEM if more than 2,000 pounds is to be composted; contact 317/232-0066). The finished compost can then be used as a mulch or soil amendment. You also may bury any vegetative wastes (such as leaves, twigs, branches, limbs, tree trunks and stumps) onsite, although burying large quantities of such material can lead to subsidence problems, later on.

Reasonable precautions must be taken to minimize fugitive dust emissions from construction and demolition activities. For example, wetting the area with water, constructing wind barriers, or treating dusty areas with chemical stabilizers (such as calcium chloride or several other commercial products). Dirt tracked onto paved roads from unpaved areas should be minimized.

Additionally, if construction or demolition is conducted in a wooded area where blackbirds have roosted or abandoned buildings or building sections in which pigeons or bats have roosted for 3-5 years precautionary measures should be taken to avoid an outbreak of histoplasmosis. This disease is caused by the fungus *Histoplasma capsulatum*, which stems from bird or bat droppings that have accumulated in one area for 3-5 years. The spores from this fungus become airborne when the area is disturbed and can cause infections over an entire community downwind of the site. The area should be wetted down prior to cleanup or demolition of the project site. For more detailed information on histoplasmosis prevention and control, please contact the Acute Disease Control Division of the Indiana State Department of Health at (317) 233-7272.

2. The U.S. EPA and the Surgeon General recommend that people not have long-term exposure to radon at levels above 4 pCi/L. (For a county-by-county map of predicted radon levels in Indiana, visit: <http://www.in.gov/idem/4145.htm> (<http://www.in.gov/idem/4145.htm>).

The U.S. EPA further recommends that all homes (and apartments within three stories of ground level) be tested for radon. If in-home radon levels are determined to be 4 pCi/L, or higher, EPA recommends a follow-up test. If the second test confirms that radon levels are 4 pCi/L, or higher, EPA recommends the installation of radon-reduction measures. (For a list of qualified radon testers and radon mitigation (or reduction) specialists visit: http://www.in.gov/isdh/regsvcs/radhealth/pdfs/radon_testers_mitigators_list.pdf (http://www.in.gov/isdh/regsvcs/radhealth/pdfs/radon_testers_mitigators_list.pdf)). It also is recommended that radon reduction measures be built into all new homes, particularly in areas like Indiana that have moderate to high predicted radon levels.

To learn more about radon, radon risks, and ways to reduce exposure visit:

<http://www.in.gov/isdh/regsvcs/radhealth/radon.htm> (<http://www.in.gov/isdh/regsvcs/radhealth/radon.htm>), <http://www.in.gov/idem/4145.htm> (<http://www.in.gov/idem/4145.htm>), or <http://www.epa.gov/radon/index.html> (<http://www.epa.gov/radon/index.html>).

3. With respect to asbestos removal: all facilities slated for renovation or demolition (except residential buildings that have (4) four or fewer dwelling units and which will not be used for commercial purposes) must be inspected by an Indiana-licensed asbestos inspector prior to the commencement of any renovation or demolition activities. If regulated asbestos-containing material (RACM) that may become airborne is found, any subsequent demolition, renovation, or asbestos removal activities must be performed in accordance with the proper notification and emission control requirements.

If no asbestos is found where a renovation activity will occur, or if the renovation involves removal of less than 260 linear feet of RACM off of pipes, less than 160 square feet of RACM off of other facility components, or less than 35 cubic feet of RACM off of all facility components, the owner or operator of the project does not need to notify IDEM before beginning the renovation activity.

For questions on asbestos demolition and renovation activities, you can also call IDEM's Lead/Asbestos section at 1-888-574-8150.

However, in all cases where a demolition activity will occur (even if no asbestos is found), the owner or operator must still notify IDEM 10 working days prior to the demolition, using the form found at <http://www.in.gov/icpr/webfile/formsdiv/44593.pdf> (<http://www.in.gov/icpr/webfile/formsdiv/44593.pdf>).

Anyone submitting a renovation/demolition notification form will be billed a notification fee based upon the amount of friable asbestos containing material to be removed or demolished. Projects that involve the removal of more than 2,600 linear feet of friable asbestos containing materials on pipes, or 1,600 square feet or 400 cubic feet of friable asbestos containing material on other facility components, will be billed a fee of \$150 per project; projects below these amounts will be billed a fee of \$50 per project. All notification remitters will be billed on a quarterly basis.

For more information about IDEM policy regarding asbestos removal and disposal, visit: <http://www.in.gov/idem/4983.htm> (<http://www.in.gov/idem/4983.htm>).

4. With respect to lead-based paint removal: IDEM encourages all efforts to minimize human exposure to lead-based paint chips and dust. IDEM is particularly concerned that young children exposed to lead can suffer from learning disabilities. Although lead-based paint abatement efforts are not mandatory, any abatement that is conducted within housing built before January 1, 1978, or a child-occupied facility is required to comply with all lead-based paint work practice standards, licensing and notification requirements. For more information about lead-based paint removal visit: <http://www.in.gov/isdh/19131.htm> (<http://www.in.gov/isdh/19131.htm>).
5. Ensure that asphalt paving plants are permitted and operate properly. The use of cutback asphalt, or asphalt emulsion containing more than seven percent (7%) oil distillate, is prohibited during the months April through October. See 326 IAC 8-5-2, Asphalt Paving Rule (<http://www.ai.org/legislative/iac/T03260/A00080.PDF> (<http://www.ai.org/legislative/iac/T03260/A00080.PDF>)).
6. If your project involves the construction of a new source of air emissions or the modification of an existing source of air emissions or air pollution control equipment, it will need to be reviewed by the IDEM Office of Air Quality (OAQ). A registration or permit may be required under 326 IAC 2 (View at: www.ai.org/legislative/iac/t03260/a00020.pdf (<http://www.ai.org/legislative/iac/t03260/a00020.pdf>)). New sources that use or emit hazardous air pollutants may be subject to Section 112 of the Clean Air Act and corresponding state air regulations governing hazardous air pollutants.
7. For more information on air permits visit: <http://www.in.gov/idem/4223.htm> (<http://www.in.gov/idem/4223.htm>), or to initiate the IDEM air permitting process, please contact the Office of Air Quality Permit Reviewer of the Day at (317) 233-0178 or OAMPROD atdem.state.in.us.

LAND QUALITY

In order to maintain compliance with all applicable laws regarding contamination and/or proper waste disposal, IDEM recommends that:

1. If the site is found to contain any areas used to dispose of solid or hazardous waste, you need to contact the Office of Land Quality (OLQ) at 317-308-3103.
2. All solid wastes generated by the project, or removed from the project site, need to be taken to a properly permitted solid waste processing or disposal facility. For more information, visit <http://www.in.gov/idem/4998.htm> (<http://www.in.gov/idem/4998.htm>).
3. If any contaminated soils are discovered during this project, they may be subject to disposal as hazardous waste. Please contact the OLQ at 317-308-3103 to obtain information on proper disposal procedures.
4. If PCBs are found at this site, please contact the Industrial Waste Section of OLQ at 317-308-3103 for information regarding management of any PCB wastes from this site.
5. If there are any asbestos disposal issues related to this site, please contact the Industrial Waste Section of OLQ at 317-308-3103 for information regarding the management of asbestos wastes (Asbestos removal is addressed above, under Air Quality).
6. If the project involves the installation or removal of an underground storage tank, or involves contamination from an underground storage tank, you must contact the IDEM Underground Storage Tank program at 317/308-3039. See: <http://www.in.gov/idem/4999.htm> (<http://www.in.gov/idem/4999.htm>).

FINAL REMARKS

Should you need to obtain any environmental permits in association with this proposed project, please be mindful that IC 13-15-8 requires that you notify all adjoining property owners and/or occupants within ten days your submittal of each permit application. However, if you are seeking multiple permits, you can still meet the notification requirement with a single notice if all required permit applications are submitted with the same ten day period.

Should the scope of the proposed project be expanded to the extent that a National Environmental Policy Act Environmental Assessment (EA) or Environmental Impact Statement (EIS) is required, IDEM will actively participate in any early interagency coordination review of the project.

Meanwhile, please note that this letter does not constitute a permit, license, endorsement or any other form of approval on the part of the Indiana Department of Environmental Management regarding any project for which a copy of this letter is used. Also note that it is the responsibility of the project engineer or consultant using this letter to ensure that the most current draft of this document, which is located at <http://www.in.gov/idem/5284.htm> (<http://www.in.gov/idem/5284.htm>), is used.

Signature(s) of the Applicant

I acknowledge that the following proposed roadway project will be financed in part, or in whole, by public monies.

Project Description

This project involves the reconstruction of the intersections of US 50 and CR 1225 and CR 1250 to address long queue lines at peak traffic flow.

With my signature, I do hereby affirm that I have read the letter from the Indiana Department of Environment that appears directly above. In addition, I understand that in order to complete that project in which I am interested, with a minimum of impact to the environment, I must consider all the issues addressed in the aforementioned letter, and further, that I must obtain any required permits.

Date: 5/3/2021

Signature of the INDOT
Project Engineer or Other Responsible Agent Matthew Walker

Date: 4/29/2021

Signature of the
For Hire Consultant Christian Radcliff

Christian Radcliff

Organization and Project Information

Project ID:
Des. ID: 1700161 and 1700162
Project Title: US 50 at CR 1225 and CR 1250 Project
Name of Organization: Green 3, LLC
Requested by: Christian Radcliff

Environmental Assessment Report

1. Geological Hazards:
 - High liquefaction potential
 - 1% Annual Chance Flood Hazard
2. Mineral Resources:
 - Bedrock Resource: Moderate Potential
 - Sand and Gravel Resource: Low Potential
3. Active or abandoned mineral resources extraction sites:
 - None documented in the area

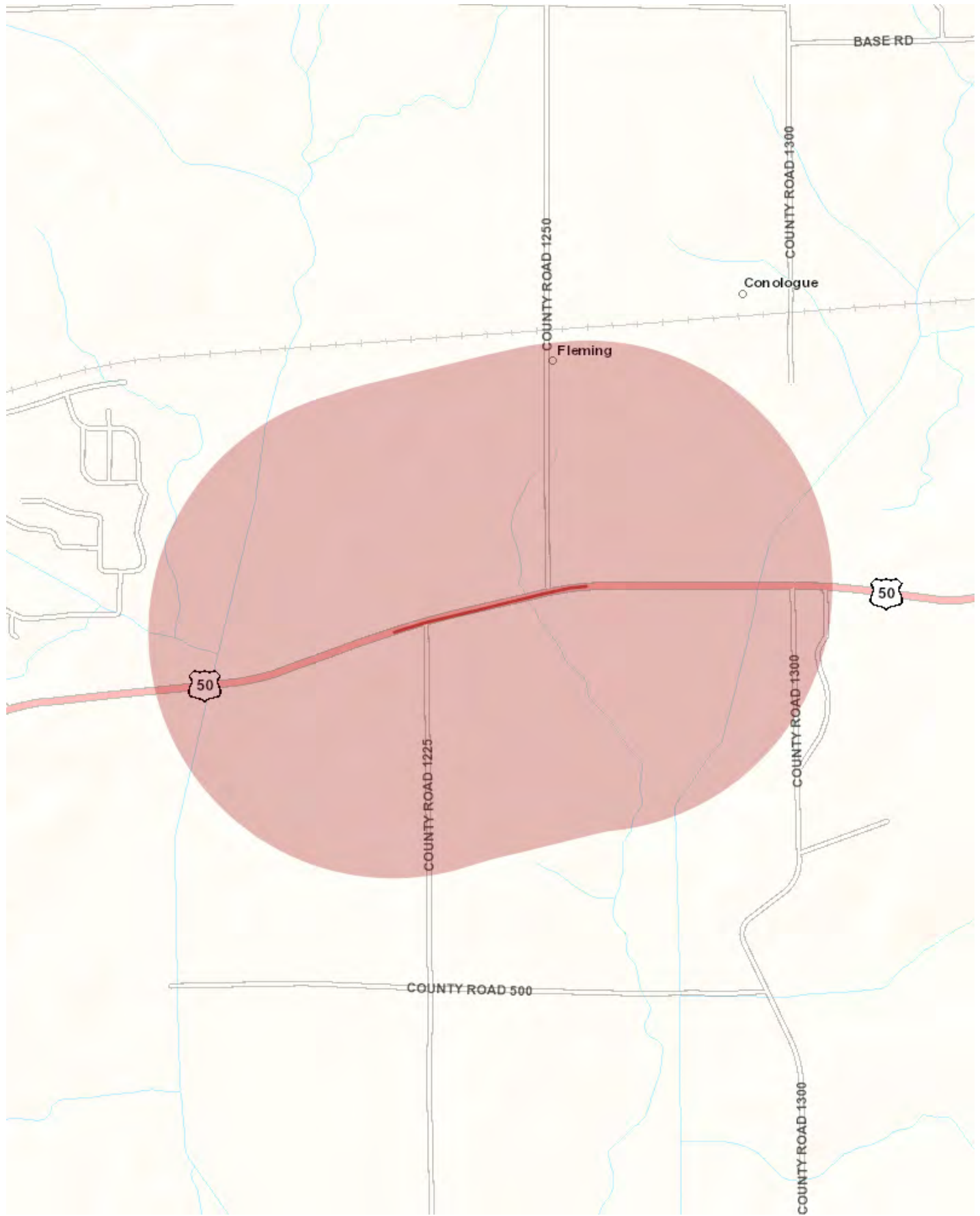
*All map layers from Indiana Map (maps.indiana.edu)

DISCLAIMER:

This document was compiled by Indiana University, Indiana Geological Survey, using data believed to be accurate; however, a degree of error is inherent in all data. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of these data and document to define the limits or jurisdiction of any federal, state, or local government. The data used to assemble this document are intended for use only at the published scale of the source data or smaller (see the metadata links below) and are for reference purposes only. They are not to be construed as a legal document or survey instrument. A detailed on-the-ground survey and historical analysis of a single site may differ from these data and this document.

This information was furnished by Indiana Geological Survey
Address: 420 N. Walnut St., Bloomington, IN 47404
Email: IGSEnvir@indiana.edu
Phone: 812 855-7428

Date: January 21, 2020



Metadata:

- https://maps.indiana.edu/metadata/Geology/Seismic_Earthquake_Liquefaction_Potential.html
- https://maps.indiana.edu/metadata/Geology/Industrial_Minerals_Sand_Gravel_Resources.html
- https://maps.indiana.edu/metadata/Hydrology/Floodplains_FIRM.html
- https://maps.indiana.edu/metadata/Geology/Bedrock_Geology.html

Christian Radcliff

From: Amick, Kevin R -FS <kevin.amick@usda.gov>
Sent: Wednesday, January 22, 2020 10:01 AM
To: Christian Radcliff
Subject: RE: Federally Funded Des 1700162 and 1700161 US 50 at CR 1225 and CR 1250 Project

The Hoosier National Forest has no comments or concerns regarding this project (Des. No. 1700162 and 1700161). Thank you!



Kevin Amick
Environmental Coordinator
Forest Service
Hoosier National Forest

p: 812-276-4746

f: 812-279-3423

kevin.amick@usda.gov

811 Constitution Ave.

Bedford, IN 47421

www.fs.fed.us



Caring for the land and serving people

From: Christian Radcliff <christian@green3studio.com>
Sent: Tuesday, January 21, 2020 1:19 PM
To: robin_mcwilliams@fws.gov; erica.tait@dot.gov; Neilson, Rick - NRCS, Indianapolis, IN <rick.neilson@usda.gov>; Amick, Kevin R -FS <kevin.amick@usda.gov>; environmentalreview@dnr.in.gov; rclark@indot.in.gov; hector_santiago@nps.gov; melanie.h.castillo@hud.gov; Dye, David <DDYE@indot.IN.gov>; gregory.a.mckay@usace.army.mil; dblann@gacksoncounty.in.gov; cbarnette@jacksoncounty.in.gov; auditor@jacksoncounty.in.gov; jault@jacksoncounty.in.gov; muscatatuck@fws.gov
Cc: Wright, Mary <MWRIGHT@indot.IN.gov>
Subject: Federally Funded Des 1700162 and 1700161 US 50 at CR 1225 and CR 1250 Project

Good afternoon,

Please find the attached early coordination letter for the referenced roadway project within your jurisdiction. Please respond with comments, questions, and concerns **within thirty (30) calendar days** from the date of this letter; if no response is received, it will be assumed that your agency feels that there are no adverse effects incurred as a result of this proposed project. However, should you find that an extension to the response time is necessary, a reasonable amount may be granted upon request.

Thanks,

Christian Radcliff
Ecologist

christian@green3studio.com

Christian Radcliff

From: McWilliams, Robin <robin_mcwilliams@fws.gov>
Sent: Tuesday, February 4, 2020 11:01 AM
To: Christian Radcliff
Subject: Re: Federally Funded Des 1700162 and 1700161 US 50 at CR 1225 and CR 1250 Project

Dear Christian,

This responds to your recent letter requesting our comments on the aforementioned project.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and are consistent with the intent of the National Environmental Policy Act of 1969, the Endangered Species Act of 1973, and the U. S. Fish and Wildlife Service's Mitigation Policy.

The project is within the range of the Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) and should follow the new Indiana bat/northern long-eared bat programmatic consultation process, if applicable (i.e. a federal transportation nexus is established). The Service has 14 days after the "Not Likely to Adversely Affect" determination letter is generated. We will review that information once it is received; if you do not receive a response within 14 days, we have no additional comments.

Based on a review of the information you provided, the U.S. Fish and Wildlife Service has no objection to the project as currently proposed. However, should new information arise pertaining to project plans or a revised species list be published, it will be necessary for the Federal agency to reinitiate consultation. Standard recommendations are provided below.

Section 4(f) of the Transportation Act of 1966 requires that land from a publicly owned park, recreation area or wildlife or waterfowl refuge or any significant public or private historical site shall not be used by the Federal Highway Administration for highway right-of-way unless a determination is made that there is no feasible and prudent alternative to the use of land from such property. Further, the proposed action must include all possible planning to minimize harm to the property which results from such use. A Section 4(f) determination concerning project impacts may be necessary as part of the environmental review process if federal funds are utilized.

We appreciate the opportunity to comment at this early stage of project planning. If you have any questions about our recommendations, please call (812) 334-4261 x. 207.

Sincerely,
Robin McWilliams Munson

Standard Recommendations:

1. Do not clear trees or understory vegetation outside the construction zone boundaries. **(This restriction is not related to the "tree clearing" restriction for potential Indiana Bat habitat.)**
2. Restrict below low-water work in streams to placement of culverts, piers, pilings and/or footings, shaping of the spill slopes around the bridge abutments, and placement of riprap. Culverts should span the active stream channel, should be either embedded or a 3-sided or open-arch culvert, and be installed where practicable on an essentially flat slope. When an open-bottom culvert or arch is used

in a stream, which has a good natural bottom substrate, such as gravel, cobbles and boulders, the existing substrate should be left undisturbed beneath the culvert to provide natural habitat for the aquatic community.

3. Restrict channel work and vegetation clearing to the minimum necessary for installation of the stream crossing structure.
4. Minimize the extent of hard armor (riprap) in bank stabilization by using bioengineering techniques whenever possible. If riprap is utilized for bank stabilization, extend it below low-water elevation to provide aquatic habitat.
5. Implement temporary erosion and sediment control methods within areas of disturbed soil. All disturbed soil areas upon project completion will be vegetated following INDOT's standard specifications.
6. Avoid all work within the inundated part of the stream channel (in perennial streams and larger intermittent streams) during the fish spawning season (April 1 through June 30), except for work within sealed structures such as caissons or cofferdams that were installed prior to the spawning season. No equipment shall be operated below Ordinary High Water Mark during this time unless the machinery is within the caissons or on the cofferdams.
7. Evaluate wildlife crossings under bridge/culverts projects in appropriate situations. Suitable crossings include flat areas below bridge abutments with suitable ground cover, high water shelves in culverts, amphibian tunnels and diversion fencing

Robin McWilliams Munson
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
620 South Walker Street
Bloomington, IN 46142
812-334-4261

Mon-Tues 8-3:30p
Wed-Thurs 8:30-3p Telework

From: Christian Radcliff <christian@green3studio.com>

Sent: Tuesday, January 21, 2020 1:19 PM

To: McWilliams, Robin <robin_mcwilliams@fws.gov>; erica.tait@dot.gov <erica.tait@dot.gov>; rick.neilson@in.usda.gov <rick.neilson@in.usda.gov>; kamick@fs.fed.us <kamick@fs.fed.us>; environmentalreview@dnr.in.gov <environmentalreview@dnr.in.gov>; rclark@indot.in.gov <rclark@indot.in.gov>; Santiago, Hector R <Hector_Santiago@nps.gov>; melanie.h.castillo@hud.gov <melanie.h.castillo@hud.gov>; Dye, David <DDYE@indot.IN.gov>; gregory.a.mckay@usace.army.mil <gregory.a.mckay@usace.army.mil>; dblann@gacksoncounty.in.gov <dblann@gacksoncounty.in.gov>; cbarnette@jacksoncounty.in.gov <cbarnette@jacksoncounty.in.gov>; auditor@jacksoncounty.in.gov <auditor@jacksoncounty.in.gov>; jault@jacksoncounty.in.gov <jault@jacksoncounty.in.gov>; Muscatatuck, FW3 <Muscatatuck@fws.gov>

Cc: Wright, Mary <MWRIGHT@indot.IN.gov>

Subject: [EXTERNAL] Federally Funded Des 1700162 and 1700161 US 50 at CR 1225 and CR 1250 Project

Good afternoon,

Please find the attached early coordination letter for the referenced roadway project within your jurisdiction. Please respond with comments, questions, and concerns **within thirty (30) calendar days** from the date of this letter; if no response is received, it will be assumed that your agency feels that there are no adverse effects incurred as a result of this proposed project. However, should you find that an extension to the response time is necessary, a reasonable amount may be granted upon request.

Christian Radcliff

From: Turnbow, Alisha <ATurnbow@idem.IN.gov>
Sent: Tuesday, February 4, 2020 3:01 PM
To: Christian Radcliff
Subject: RE: Federally Funded Des 1700161 and 1700162 US 50 at CR 1225 and CR 1250 ECL

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Christian,

The project Des No 1700161 and 1700162 is located in the Wellhead Protection area for Kulich Rentals Inc. The contact for Kulich Rentals Inc. is Todd Kulich and they can be contacted at kulichtodd@yahoo.com and 812-498-2484. Let me know what questions you have.

Sincerely,



Alisha Turnbow
Environmental Manager
Office of Water Quality
Drinking Water Branch, Groundwater Section
(317) 233-9158 • aturnbow@idem.IN.gov

Indiana Department of Environmental Management



IDEM values your feedback.

How to help us improve our services and complete the job of water



From: Christian Radcliff [mailto:christian@green3studio.com]
Sent: Tuesday, January 21, 2020 1:28 PM
To: Turnbow, Alisha <ATurnbow@idem.IN.gov>
Subject: Federally Funded Des 1700161 and 1700162 US 50 at CR 1225 and CR 1250 ECL

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Good afternoon,

Please see the attached early coordination letter for the referenced project. This project is within a WHPA. If you could send me the contact information for the manager of this WHPA I would appreciate that.

Thanks,

Christian Radcliff
Ecologist

christian@green3studio.com

THIS IS NOT A PERMIT

**State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Fish and Wildlife
Early Coordination/Environmental Assessment**

DNR #: ER-22162

Request Received: January 21, 2020

Requestor: Green 3 LLC
Christian Radcliff
1104 Prospect Street
Indianapolis, IN 46203

Project: US 50 intersection improvements at CR 1125 East (Des #1700161) and at CR 1250 East (Des #1700162)

County/Site info: Jackson

The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.

If our agency has regulatory jurisdiction over the project, the recommendations contained in this letter may become requirements of any permit issued. If we do not have permitting authority, all recommendations are voluntary.

Regulatory Assessment: Formal approval by the Department of Natural Resources under the regulatory programs administered by the Division of Water is not required for this project.

Natural Heritage Database: The Natural Heritage Program's data have been checked. The state endangered Kirtland's Snake (*Clonophis kirtlandii*) and Copperbelly Water Snake (*Nerodia erythrogaster neglecta*), which is also federally threatened, have been documented in Muscatatuck National Wildlife Refuge within 1/2 mile of the project area.

Fish & Wildlife Comments: Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest extent possible, and compensate for impacts. The following are recommendations that address potential impacts identified in the proposed project area:

1) Snakes:

An entrenched silt fence should be installed (as feasible) parallel to US 50 on the south side of the roadway to keep snakes from entering the construction areas from Muscatatuck National Wildlife Refuge. If work is conducted and completed between November 1 and March 1, the silt fence is not needed.

2) Riparian Habitat:

We recommend a mitigation plan be developed for any unavoidable habitat impacts that will occur. The mitigation site should be located within the 8-digit HUC, preferably as close to the impact site as possible, and adjacent to existing forested riparian habitat. The DNR's Floodway Habitat Mitigation guidelines (and plant lists) can be found online at: <http://www.in.gov/legislative/iac/20190130-IR-312190041NRA.xml.pdf>.

Impacts to non-wetland forest of one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area. Impacts to non-wetland forest under one (1) acre in an urban setting should be mitigated by planting five trees, at least 2 inches in diameter-at-breast height (dbh), for each tree which is removed that is 10" dbh or greater (5:1 mitigation based on the number of large trees). Impacts to wetland habitat should be mitigated at the appropriate ratio according to the 1991 INDOT/IDNR/USFWS Memorandum of Understanding.

THIS IS NOT A PERMIT

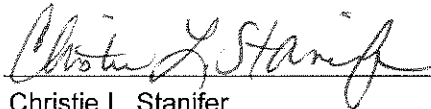
State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Fish and Wildlife
Early Coordination/Environmental Assessment

The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources:

1. Revegetate all bare and disturbed areas with a mixture of native grasses, sedges, wildflowers, and also native hardwood trees and shrubs if any woody plants are disturbed during construction as soon as possible upon completion. Do not use any varieties of Tall Fescue or other non-native plants, including prohibited invasive species (see 312 IAC 18-3-25).
2. Minimize and contain within the project limits inchannel disturbance and the clearing of trees and brush.
3. Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Fish and Wildlife.
4. Do not cut any trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 5 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30.
5. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.
6. Seed and protect all disturbed streambanks and slopes not protected by other methods that are 3:1 or steeper with erosion control blankets that are heavy-duty, biodegradable, and net free or that use loose-woven / Leno-woven netting to minimize the entrapment and snaring of small-bodied wildlife such as snakes and turtles (follow manufacturer's recommendations for selection and installation); seed and apply mulch on all other disturbed areas.

Contact Staff:

Christie L. Stanifer, Environ. Coordinator, Fish & Wildlife
Our agency appreciates this opportunity to be of service. Please contact the above staff member at (317) 232-4080 if we can be of further assistance.



Date: February 20, 2020

Christie L. Stanifer
Environ. Coordinator
Division of Fish and Wildlife

Christian Radcliff

From: DNR Environmental Review <environmentalreview@dnr.IN.gov>
Sent: Thursday, April 8, 2021 12:11 PM
To: Christian Radcliff
Subject: RE: Federally Funded Des 1700162 and 1700161 US 50 at CR 1225 and CR 1250 Project - Updated Scope
Attachments: ER-22162.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Dear Christian:

The recommendations in our previous letter dated February 20, 2020 (copy attached), still apply.

Sincerely,

Christie L. Stanifer
Environmental Coordinator
Indiana Department of Natural Resources
Division of Fish & Wildlife
402 West Washington St, Room W273
Indianapolis, IN 46204
cstanifer@dnr.in.gov
Direct: (317) 232-8163
www.dnr.IN.gov

** Please let us know about the quality of our service by taking this brief [customer survey](#).*

From: Christian Radcliff <cradcliff@sjcainc.com>
Sent: Tuesday, April 06, 2021 3:01 PM
To: McWilliams, Robin <robin_mcwilliams@fws.gov>; Tait, Erica (FHWA) <erica.tait@dot.gov>; Neilson, Rick - NRCS, Indianapolis, IN <rick.neilson@in.usda.gov>; Amick, Kevin R -FS <kamick@fs.fed.us>; DNR Environmental Review <environmentalreview@dnr.IN.gov>; Castillo, Melanie H <Melanie.H.Castillo@hud.gov>; Dye, David <DDYE@indot.IN.gov>; gregory.a.mckay@usace.army.mil; dblann@jacksoncounty.in.gov; cbarnette@jacksoncounty.in.gov; auditor@jacksoncounty.in.gov; jault@jacksoncounty.in.gov; muscatatuck@fws.gov; mwro_compliance@nps.gov; Metcalf, Karlei A <KMetcalf1@indot.IN.gov>
Subject: RE: Federally Funded Des 1700162 and 1700161 US 50 at CR 1225 and CR 1250 Project - Updated Scope

****** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ******

Good afternoon,

Please find the attached early coordination letter for the **updated scope** for the referenced project. The initial scope items were sent in an email dated January 21, 2020 – see below in the email chain for that information.

April 22, 2021

Christian Radcliff
SJCA
9102 North Meridian Street, Suite 200
Indianapolis, Indiana 46260


Dear Mr. Radcliff:

The proposed project to make intersection improvements along US 50 at County Road 1225 East and County Road 1250 East in Jackson County, Indiana, (Des No 1700161) as referred to in your letters received April 6, 2021, will cause a conversion of prime farmland.

The attached packet of information is for your use competing Parts VI and VII of the AD-1006. After completion, the federal funding agency needs to forward one copy to NRCS for our records.

If you need additional information, please contact John Allen at 317-295-5859.

Sincerely,

JOHN ALLEN Digitally signed by JOHN ALLEN
Date: 2021.04.23 12:57:39 -04'00' 

RICK NEILSON
State Soil Scientist

Enclosures



U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request			
Name of Project DES1700162 US 50 at CR 1225 & CR 1		Federal Agency Involved			
Proposed Land Use		County and State Jackson County, Indiana			
PART II (To be completed by NRCS)		Date Request Received By NRCS 4/6/2021		Person Completing Form: JRA	
Does the site contain Prime, Unique, Statewide or Local Important Farmland? (If no, the FPPA does not apply - do not complete additional parts of this form)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Acres Irrigated	
				Average Farm Size 303 ac	
Major Crop(s) Corn		Farmable Land In Govt. Jurisdiction Acres: 259626 % 79		Amount of Farmland As Defined in FPPA Acres: 190548 % 58	
Name of Land Evaluation System Used LESA		Name of State or Local Site Assessment System		Date Land Evaluation Returned by NRCS 4/22/2021	
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly					
B. Total Acres To Be Converted Indirectly					
C. Total Acres In Site					
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland		0.09			
B. Total Acres Statewide Important or Local Important Farmland		0.00			
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted		<0.00			
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value		69			
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)		70			
PART VI (To be completed by Federal Agency) Site Assessment Criteria (Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)		Maximum Points	Site A	Site B	Site C
1. Area In Non-urban Use		(15)	10		
2. Perimeter In Non-urban Use		(10)	7		
3. Percent Of Site Being Farmed		(20)	0		
4. Protection Provided By State and Local Government		(20)	0		
5. Distance From Urban Built-up Area		(15)	5		
6. Distance To Urban Support Services		(15)	0		
7. Size Of Present Farm Unit Compared To Average		(10)	0		
8. Creation Of Non-farmable Farmland		(10)	0		
9. Availability Of Farm Support Services		(5)	0		
10. On-Farm Investments		(20)	0		
11. Effects Of Conversion On Farm Support Services		(10)	0		
12. Compatibility With Existing Agricultural Use		(10)	0		
TOTAL SITE ASSESSMENT POINTS		160	22	0	0
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100	70	0	0
Total Site Assessment (From Part VI above or local site assessment)		160	22	0	0
TOTAL POINTS (Total of above 2 lines)		260	92	0	0
Site Selected:		Date Of Selection		Was A Local Site Assessment Used?	
				YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Reason For Selection:					
Name of Federal agency representative completing this form: Christian Radcliff					Date: 4/29/2021

(See Instructions on reverse side)

Form AD-1006 (03-02)



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Indiana Ecological Services Field Office

620 South Walker Street

Bloomington, IN 47403-2121

Phone: (812) 334-4261 Fax: (812) 334-4273

<http://www.fws.gov/midwest/Endangered/section7/s7process/step1.html>

In Reply Refer To:

April 07, 2021

Consultation Code: 03E12000-2020-SLI-0898

Event Code: 03E12000-2021-E-05128

Project Name: Des 1700162 and 1700161 Road and Intersection Improvement Project

Subject: Updated list of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The attached species list identifies any federally threatened, endangered, proposed and candidate species that may occur within the boundary of your proposed project or may be affected by your proposed project. The list also includes designated critical habitat if present within your proposed project area or affected by your project. This list is provided to you as the initial step of the consultation process required under section 7(c) of the Endangered Species Act, also referred to as Section 7 Consultation.

Section 7 of the Endangered Species Act of 1973 requires that actions authorized, funded, or carried out by Federal agencies not jeopardize federally threatened or endangered species or adversely modify designated critical habitat. To fulfill this mandate, Federal agencies (or their designated non-federal representative) must consult with the Service if they determine their project “may affect” listed species or critical habitat.

Under 50 CFR 402.12(e) (the regulations that implement Section 7 of the Endangered Species Act) the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally. You may verify the list by visiting the ECOS-IPaC website <http://ecos.fws.gov/ipac/> at regular intervals during project planning and implementation and completing the same process you used to receive the attached list. As an alternative, you may contact this Ecological Services Field Office for updates.

Please use the species list provided and visit the U.S. Fish and Wildlife Service’s Region 3 Section 7 Technical Assistance website at - <http://www.fws.gov/midwest/endangered/section7/s7process/index.html>. This website contains step-by-step instructions which will help you determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process.

For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

Although no longer protected under the Endangered Species Act, be aware that bald eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*) and Migratory Bird Treaty Act (16 U.S.C. 703 *et seq.*), as are golden eagles. Projects affecting these species may require measures to avoid harming eagles or may require a permit. If your project is near an eagle nest or winter roost area, see our Eagle Permits website at <http://www.fws.gov/midwest/midwestbird/EaglePermits/index.html> to help you determine if you can avoid impacting eagles or if a permit may be necessary.

We appreciate your concern for threatened and endangered species. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Indiana Ecological Services Field Office

620 South Walker Street

Bloomington, IN 47403-2121

(812) 334-4261

Project Summary

Consultation Code: 03E12000-2020-SLI-0898

Event Code: 03E12000-2021-E-05128

Project Name: Des 1700162 and 1700161 Road and Intersection Improvement Project

Project Type: TRANSPORTATION

Project Description: The Federal Highway Administration (FHWA) and Indiana Department of Transportation (INDOT) intend to proceed with a road and intersection improvement project along US 50 between CR 1250 E and CR 1225 E (Des 1700162 and Des 1700161). The preferred alternative is to add an auxiliary lane that will function as a two-way left-turn lane near CR 1225 E, to add a left-turn lane from US 50 eastbound to CR 1250 E, widen the lanes, and resurface existing pavement. A 4 foot by 3 foot reinforced concrete box culvert is within the vicinity of the project area, west of CR 1250 E and east of a field entrance on the north side of US 50. No work is proposed on this structure. Three culverts that carry drainage under the drives to the apartment complex on the north side of US 50 and the field entrance west of the 4 foot by 3 foot box culvert will be removed. Ditches will be realigned and new drainage culverts will be installed to conform to the new roadway width. Letting is anticipated for Summer 2022.

Suitable summer habitat is located adjacent to the project area, with stands of trees with diameter larger than 3 inches, and individual trees within 1000 feet of the stands. Tree removal will occur on the north side of the road near the 4 foot by 3 foot reinforced concrete box culvert. Tree removal will be approximately 0.05 acre.

A review of the USFWS database completed on January 13, 2020 by INDOT Environmental staff did not indicate the presence of endangered bat species in or within the 0.5 mile search radius of the project area. Inspections of the three culverts to be removed occurred on October 13, 2020. No bats or signs of bats were identified during the culvert inspections. Suitable summer habitat is located within the 0.5 mile area. Temporary lighting may be utilized for this project.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.96633076697893,-85.8087814793563,14z>



Counties: Jackson County, Indiana

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Incidental take of the NLEB is not prohibited here. Federal agencies may consult using the 4(d) rule streamlined process. Transportation projects may consult using the programmatic process. See www.fws.gov/midwest/endangered/mammals/nleb/index.html Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Birds

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477	Threatened
Whooping Crane <i>Grus americana</i> Population: Wherever found, except where listed as an experimental population There is final critical habitat for this species. The location of the critical habitat is not available. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Whooping cranes in Indiana are part of a nonessential experimental population. Federal agencies are not required to consult under ESA section 7(a)(2), except when the species occurs on National Wildlife Refuges or National Parks. Species profile: https://ecos.fws.gov/ecp/species/758	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Indiana Ecological Services Field Office

620 South Walker Street

Bloomington, IN 47403-2121

Phone: (812) 334-4261 Fax: (812) 334-4273

<http://www.fws.gov/midwest/Endangered/section7/s7process/step1.html>

In Reply Refer To:

April 09, 2021

Consultation code: 03E12000-2020-I-0898

Event Code: 03E12000-2021-E-05227

Project Name: Des 1700162 and 1700161 Road and Intersection Improvement Project

Subject: Concurrence verification letter for the 'Des 1700162 and 1700161 Road and Intersection Improvement Project' project under the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request to verify that the **Des 1700162 and 1700161 Road and Intersection Improvement Project** (Proposed Action) may rely on the concurrence provided in the February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action is within the scope and adheres to the criteria of the PBO, including the adoption of applicable avoidance and minimization measures, and may affect, but is not likely to adversely affect (NLAA) the endangered Indiana bat (*Myotis sodalis*) and/or the threatened Northern long-eared bat (*Myotis septentrionalis*).

The Service has 14 calendar days to notify the lead Federal action agency or designated non-federal representative if we determine that the Proposed Action does not meet the criteria for a NLAA determination under the PBO. If we do not notify the lead Federal action agency or designated non-federal representative within that timeframe, you may proceed with the Proposed Action under the terms of the NLAA concurrence provided in the PBO. This verification period allows Service Field Offices to apply local knowledge to implementation of the PBO, as we may identify a small subset of actions having impacts that were unanticipated. In such instances, Service Field Offices may request additional information that is necessary to verify inclusion of the proposed action under the PBO.

For Proposed Actions that include bridge/structure removal, replacement, and/or maintenance activities: If your initial bridge/structure assessments failed to detect Indiana bats, but you later detect bats during construction, please submit the Post Assessment Discovery of Bats at Bridge/Structure Form (User Guide Appendix E) to this Service Office. In these instances, potential incidental take of Indiana bats may be exempted provided that the take is reported to the Service.

If the Proposed Action is modified, or new information reveals that it may affect the Indiana bat and/or Northern long-eared bat in a manner or to an extent not considered in the PBO, further review to conclude the requirements of ESA Section 7(a)(2) may be required. If the Proposed Action may affect any other federally-listed or proposed species, and/or any designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please contact this Service Office.

The following species may occur in your project area and **are not** covered by this determination:

- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Whooping Crane *Grus americana* Endangered

Project Description

The following project name and description was collected in IPaC as part of the endangered species review process.

Name

Des 1700162 and 1700161 Road and Intersection Improvement Project

Description

The Federal Highway Administration (FHWA) and Indiana Department of Transportation (INDOT) intend to proceed with a road and intersection improvement project along US 50 between CR 1250 E and CR 1225 E (Des 1700162 and Des 1700161). The preferred alternative is to add an auxiliary lane that will function as a two-way left-turn lane near CR 1225 E, to add a left-turn lane from US 50 eastbound to CR 1250 E, widen the lanes, and resurface existing pavement. A 4 foot by 3 foot reinforced concrete box culvert is within the vicinity of the project area, west of CR 1250 E and east of a field entrance on the north side of US 50. No work is proposed on this structure. Three culverts that carry drainage under the drives to the apartment complex on the north side of US 50 and the field entrance west of the 4 foot by 3 foot box culvert will be removed. Ditches will be realigned and new drainage culverts will be installed to conform to the new roadway width. Letting is anticipated for Summer 2022.

Suitable summer habitat is located adjacent to the project area, with stands of trees with diameter larger than 3 inches, and individual trees within 1000 feet of the stands. Tree removal will occur on the north side of the road near the 4 foot by 3 foot reinforced concrete box culvert. Tree removal will be approximately 0.05 acre.

A review of the USFWS database completed on January 13, 2020 by INDOT Environmental staff did not indicate the presence of endangered bat species in or within the 0.5 mile search radius of the project area. Inspections of the three culverts to be removed occurred on October 13, 2020. No bats or signs of bats were identified during the culvert inspections. Suitable summer habitat is located within the 0.5 mile area. Temporary lighting may be utilized for this project.

Determination Key Result

Based on your answers provided, this project(s) may affect, but is not likely to adversely affect the endangered Indiana bat and/or the threatened Northern long-eared bat, therefore, consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required. However, also based on your answers provided, this project may rely on the concurrence provided in the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

Qualification Interview

1. Is the project within the range of the Indiana bat^[1]?

[1] See [Indiana bat species profile](#)

Automatically answered

Yes

2. Is the project within the range of the Northern long-eared bat^[1]?

[1] See [Northern long-eared bat species profile](#)

Automatically answered

Yes

3. Which Federal Agency is the lead for the action?

A) *Federal Highway Administration (FHWA)*

4. Are *all* project activities limited to non-construction^[1] activities only? (examples of non-construction activities include: bridge/abandoned structure assessments, surveys, planning and technical studies, property inspections, and property sales)

[1] Construction refers to activities involving ground disturbance, percussive noise, and/or lighting.

No

5. Does the project include *any* activities that are **greater than** 300 feet from existing road/rail surfaces^[1]?

[1] Road surface is defined as the actively used [e.g. motorized vehicles] driving surface and shoulders [may be pavement, gravel, etc.] and rail surface is defined as the edge of the actively used rail ballast.

No

6. Does the project include *any* activities **within** 0.5 miles of a known Indiana bat and/or NLEB hibernaculum^[1]?

[1] For the purpose of this consultation, a hibernaculum is a site, most often a cave or mine, where bats hibernate during the winter (see suitable habitat), but could also include bridges and structures if bats are found to be hibernating there during the winter.

No

7. Is the project located **within** a karst area?

No

8. Is there *any* suitable^[1] summer habitat for Indiana Bat or NLEB **within** the project action area^[2]? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

[2] The action area is defined as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 CFR Section 402.02). Further clarification is provided by the [national consultation FAQs](#).

Yes

9. Will the project remove *any* suitable summer habitat^[1] and/or remove/trim any existing trees **within** suitable summer habitat?

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

Yes

10. Will the project clear more than 20 acres of suitable habitat per 5-mile section of road/rail?
No

11. Have presence/probable absence (P/A) summer surveys^{[1][2]} been conducted^{[3][4]} **within** the suitable habitat located within your project action area?

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

[2] Presence/probable absence summer surveys conducted within the fall swarming/spring emergence home range of a documented Indiana bat hibernaculum (contact local Service Field Office for appropriate distance from hibernacula) that result in a negative finding requires additional consultation with the local Service Field Office to determine if clearing of forested habitat is appropriate and/or if seasonal clearing restrictions are needed to avoid and minimize potential adverse effects on fall swarming and spring emerging Indiana bats.

[3] For projects within the range of either the Indiana bat or NLEB in which suitable habitat is present, and no bat surveys have been conducted, the transportation agency will assume presence of the appropriate species. This assumption of presence should be based upon the presence of suitable habitat and the capability of bats to occupy it because of their mobility.

[4] Negative presence/probable absence survey results obtained using the [summer survey guidance](#) are valid for a minimum of two years from the completion of the survey unless new information (e.g., other nearby surveys) suggest otherwise.

No

12. Does the project include activities **within documented Indiana bat habitat**^{[1][2]}?

[1] Documented roosting or foraging habitat – for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

[2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

13. Will the removal or trimming of habitat or trees occur **within** suitable but **undocumented Indiana bat** roosting/foraging habitat or travel corridors?

Yes

14. What time of year will the removal or trimming of habitat or trees **within** suitable but **undocumented Indiana bat** roosting/foraging habitat or travel corridors occur^[1]?

[1] Coordinate with the local Service Field Office for appropriate dates.

B) During the inactive season

15. Does the project include activities **within documented NLEB habitat**^{[1][2]}?

[1] Documented roosting or foraging habitat – for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

[2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

16. Will the removal or trimming of habitat or trees occur **within** suitable but **undocumented NLEB** roosting/foraging habitat or travel corridors?

Yes

17. What time of year will the removal or trimming of habitat or trees **within** suitable but **undocumented NLEB** roosting/foraging habitat or travel corridors occur?

B) During the inactive season

18. Will *any* tree trimming or removal occur **within** 100 feet of existing road/rail surfaces?

Yes

19. Will *any* tree trimming or removal occur **between** 100-300 feet of existing road/rail surfaces?

No

20. Are *all* trees that are being removed clearly demarcated?
Yes
21. Will the removal of habitat or the removal/trimming of trees include installing new or replacing existing **permanent** lighting?
No
22. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?
No
23. Does the project include slash pile burning?
No
24. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)?
Yes
25. Is there *any* suitable habitat^[1] for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's current [summer survey guidance](#) for our current definitions of suitable habitat.

Yes

26. Has a bridge assessment^[1] been conducted **within** the last 24 months^[2] to determine if the bridge is being used by bats?

[1] See [User Guide Appendix D](#) for bridge/structure assessment guidance

[2] Assessments must be completed no more than 2 years prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Consultation, regardless of whether assessments have been conducted in the past. Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that bridge/structure in subsequent years.

Yes

SUBMITTED DOCUMENTS

- *Des 1700162 and 1700161 Culvert Inspection.pdf* <https://ecos.fws.gov/ipac/project/3TZGWEOD45EEXPZS2GJETPIS6M/projectDocuments/100968956>

27. Did the bridge assessment detect *any* signs of Indiana bats and/or NLEBs roosting in/under the bridge (bats, guano, etc.)^[1]?

[1] If bridge assessment detects signs of *any* species of bats, coordination with the local FWS office is needed to identify potential threatened or endangered bat species. Additional studies may be undertaken to try to identify which bat species may be utilizing the bridge prior to allowing *any* work to proceed.

Note: There is a small chance bridge assessments for bat occupancy do not detect bats. Should a small number of bats be observed roosting on a bridge just prior to or during construction, such that take is likely to occur or does occur in the form of harassment, injury or death, the PBO requires the action agency to report the take. Report all unanticipated take within 2 working days of the incident to the USFWS. Construction activities may continue without delay provided the take is reported to the USFWS and is limited to 5 bats per project.

No

28. Will the bridge removal, replacement, and/or maintenance activities include installing new or replacing existing **permanent** lighting?

No

29. Does the project include the removal, replacement, and/or maintenance of *any* structure other than a bridge? (e.g., rest areas, offices, sheds, outbuildings, barns, parking garages, etc.)

No

30. Will the project involve the use of **temporary** lighting *during* the active season?

Yes

31. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **temporary** lighting will be used?

Yes

32. Will the project install new or replace existing **permanent** lighting?

No

33. Does the project include percussives or other activities (**not including tree removal/trimming or bridge/structure work**) that will increase noise levels above existing traffic/background levels?

No

34. Are *all* project activities that are **not associated with** habitat removal, tree removal/trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives, limited to actions that DO NOT cause any additional stressors to the bat species?

Examples: lining roadways, unlighted signage, rail road crossing signals, signal lighting, and minor road repair such as asphalt fill of potholes, etc.

Yes

35. Will the project raise the road profile **above the tree canopy**?

No

36. Are the project activities that are not associated with habitat removal, tree removal/trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives consistent with a No Effect determination in this key?

Automatically answered

Yes, other project activities are limited to actions that DO NOT cause any additional stressors to the bat species as described in the BA/BO

37. Is the habitat removal portion of this project consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the tree removal/trimming that occurs outside of the Indiana bat's active season occurs greater than 0.5 miles from the nearest hibernaculum, is less than 100 feet from the existing road/rail surface, includes clear demarcation of the trees that are to be removed, and does not alter documented roosts and/or surrounding summer habitat within 0.25 miles of a documented roost.

38. Is the habitat removal portion of this project consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the tree removal/trimming that occurs outside of the NLEB's active season occurs greater than 0.5 miles from the nearest hibernaculum, is less than 100 feet from the existing road/rail surface, includes clear demarcation of the trees that are to be removed, and does not alter documented roosts and/or surrounding summer habitat within 0.25 miles of a documented roost.

39. Is the bridge removal, replacement, or maintenance activities portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the bridge has been assessed using the criteria documented in the BA and no signs of bats were detected

40. **General AMM 1**

Will the project ensure *all* operators, employees, and contractors working in areas of known or presumed bat habitat are aware of *all* FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable Avoidance and Minimization Measures?

Yes

41. Tree Removal AMM 1

Can *all* phases/aspects of the project (e.g., temporary work areas, alignments) be modified, to the extent practicable, to avoid tree removal^[1] in excess of what is required to implement the project safely?

Note: Tree Removal AMM 1 is a minimization measure, the full implementation of which may not always be practicable. Projects may still be NLAA as long as Tree Removal AMMs 2, 3, and 4 are implemented and LAA as long as Tree Removal AMMs 3, 5, 6, and 7 are implemented.

[1] The word “trees” as used in the AMMs refers to trees that are suitable habitat for each species within their range. See the USFWS’ current summer survey guidance for our latest definitions of suitable habitat.

Yes

42. Tree Removal AMM 3

Can tree removal be limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits)?

Yes

43. Tree Removal AMM 4

Can the project avoid cutting down/removal of *all* (1) **documented**^[1] Indiana bat or NLEB roosts^[2] (that are still suitable for roosting), (2) trees **within** 0.25 miles of roosts, and (3) documented foraging habitat any time of year?

[1] The word documented means habitat where bats have actually been captured and/or tracked.

[2] Documented roosting or foraging habitat – for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

Yes

44. Lighting AMM 1

Will *all* **temporary** lighting be directed away from suitable habitat during the active season?

Yes

Project Questionnaire

1. Have you made a No Effect determination for *all* other species indicated on the FWS IPaC generated species list?

Yes

2. Have you made a May Affect determination for *any* other species on the FWS IPaC generated species list?

No

3. How many acres^[1] of trees are proposed for removal between 0-100 feet of the existing road/rail surface?

[1] If described as number of trees, multiply by 0.09 to convert to acreage and enter that number.

0.05

4. Please describe the proposed bridge work:

A 4 foot by 3 foot reinforced concrete box culvert is within the vicinity of the project area, west of CR 1250 E and east of a field entrance on the north side of US 50. No work is proposed on this structure. Three culverts that carry drainage under the drives to the apartment complex on the north side of US 50 and the field entrance west of the 4 foot by 3 foot box culvert will be removed. Ditches will be realigned and new drainage culverts will be installed to conform to the new roadway width.

5. Please state the timing of all proposed bridge work:

Fall 2022

6. Please enter the date of the bridge assessment:

October 13, 2020

Avoidance And Minimization Measures (AMMs)

This determination key result includes the commitment to implement the following Avoidance and Minimization Measures (AMMs):

TREE REMOVAL AMM 1

Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal.

LIGHTING AMM 1

Direct temporary lighting away from suitable habitat during the active season.

TREE REMOVAL AMM 2

Apply time of year restrictions for tree removal when bats are not likely to be present, or limit tree removal to 10 or fewer trees per project at any time of year within 100 feet of existing road/rail surface and **outside of documented** roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with no bats observed.

TREE REMOVAL AMM 3

Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits).

TREE REMOVAL AMM 4

Do not remove **documented** Indiana bat or NLEB roosts that are still suitable for roosting, or trees within 0.25 miles of roosts, or **documented** foraging habitat any time of year.

GENERAL AMM 1

Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable AMMs.

Determination Key Description: FHWA, FRA, FTA Programmatic Consultation For Transportation Projects Affecting NLEB Or Indiana Bat

This key was last updated in IPaC on December 29, 2020. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the threatened **Northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should only be used to verify project applicability with the Service's [February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects](#). The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

Structure to be Removed	Approximate Station	Latitude	Longitude
CMP - Apartment West Entrance	245+00	38.966072	-85.810626
CMP - Apartment East Entrance	247+00	38.966204	-85.809902
RCP - West of Box Culvert	253+00	38.966539	-85.808009

INDOT Bridge/Small Structure Bat Inspection Data Sheet (Rev 4/29/2016)

General Information		
Date of Inspection: 10/13/2020 Time of Inspection: 9:00am	Initial Inspection <input checked="" type="checkbox"/> Follow-up Inspection <input type="checkbox"/> Construction <input type="checkbox"/>	Temp: 55F Wind: 0mph Precip: None Sunrise: 7:51am Sunset: 7:09pm
County: Jackson	Inspected by: Christian Radcliff, Laney Walstra	
GPS Northing: 4313684.18 N Easting: 603040.71 E UTM Zone: 16 S	Contract Number: R-41582	Anticipated Start Date for Construction: Fall 2022

Bridge or Culvert	Bridge or Culvert
Stream or Road Crossed: N/A	Station: 245+00
Bridge/Culvert number: CMP West Entrance	Number of Spans: N/A
Type of Structure: <input type="checkbox"/> Concrete box beam <input type="checkbox"/> Steel beam <input type="checkbox"/> Concrete I-beam <input type="checkbox"/> Steel girder <input type="checkbox"/> Concrete bulb tee beam <input type="checkbox"/> Steel pony truss <input type="checkbox"/> Concrete arch <input type="checkbox"/> Welded steel thru girder <input type="checkbox"/> Concrete girder <input type="checkbox"/> Concrete box culvert <input type="checkbox"/> Concrete slab <input type="checkbox"/> Concrete pipe <input type="checkbox"/> Multi-plate arch <input checked="" type="checkbox"/> Corrugated steel pipe <input type="checkbox"/> Other (list):	Material: <input type="checkbox"/> Concrete <input type="checkbox"/> Steel <input type="checkbox"/> Other (describe): Shape: <input type="checkbox"/> Box Culvert <input checked="" type="checkbox"/> Pipe <input type="checkbox"/> Arch <input type="checkbox"/> Slab <input type="checkbox"/> Other (describe)
Searched entire structure? If not, why not? Yes	Location of bats or signs of use (w/drawing and photos):
Bats Present? <input type="checkbox"/> Seen? <input type="checkbox"/> Heard?	
None	
In Clusters? Number of clusters: None	
Number of bats in largest cluster: None	
Approximate total number of bats found: None	
Signs of previous bat use? None <input type="checkbox"/> Guano <input type="checkbox"/> Staining	

If Bats Present
Date and Time Project Supervisor was notified:
Name of Project Supervisor notified:

INDOT Bridge/Small Structure Bat Inspection Data Sheet (Rev 4/29/2016)

General Information		
Date of Inspection: 10/13/2020 Time of Inspection: 9:00am	Initial Inspection <input checked="" type="checkbox"/> Follow-up Inspection <input type="checkbox"/> Construction <input type="checkbox"/>	Temp: 55F Wind: 0mph Precip: None Sunrise: 7:51am Sunset: 7:09pm
County: Jackson	Inspected by: Christian Radcliff, Laney Walstra	
GPS Northing: 4313698.99 N Easting: 603102.14 E UTM Zone: 16 S	Contract Number: R-41582	Anticipated Start Date for Construction: Fall 2022

Bridge or Culvert	Bridge or Culvert
Stream or Road Crossed: N/A	Station: 247+00
Bridge/Culvert number: CMP East Entrance	Number of Spans: N/A
Type of Structure: <input type="checkbox"/> Concrete box beam <input type="checkbox"/> Steel beam <input type="checkbox"/> Concrete I-beam <input type="checkbox"/> Steel girder <input type="checkbox"/> Concrete bulb tee beam <input type="checkbox"/> Steel pony truss <input type="checkbox"/> Concrete arch <input type="checkbox"/> Welded steel thru girder <input type="checkbox"/> Concrete girder <input type="checkbox"/> Concrete box culvert <input type="checkbox"/> Concrete slab <input type="checkbox"/> Concrete pipe <input type="checkbox"/> Multi-plate arch <input checked="" type="checkbox"/> Corrugated steel pipe <input type="checkbox"/> Other (list):	Material: <input type="checkbox"/> Concrete <input type="checkbox"/> Steel <input type="checkbox"/> Other (describe): Shape: <input type="checkbox"/> Box Culvert <input checked="" type="checkbox"/> Pipe <input type="checkbox"/> Arch <input type="checkbox"/> Slab <input type="checkbox"/> Other (describe)
Searched entire structure? If not, why not? Yes	Location of bats or signs of use (w/drawing and photos):
Bats Present? <input type="checkbox"/> Seen? <input type="checkbox"/> Heard?	
None	
In Clusters? Number of clusters: None	
Number of bats in largest cluster: None	
Approximate total number of bats found: None	
Signs of previous bat use? None <input type="checkbox"/> Guano <input type="checkbox"/> Staining	

If Bats Present
Date and Time Project Supervisor was notified:
Name of Project Supervisor notified:

INDOT Bridge/Small Structure Bat Inspection Data Sheet (Rev 4/29/2016)

General Information		
Date of Inspection: 10/13/2020 Time of Inspection: 9:00am	Initial Inspection <input checked="" type="checkbox"/> Follow-up Inspection <input type="checkbox"/> Construction <input type="checkbox"/>	Temp: 55F Wind: 0mph Precip: None Sunrise: 7:51am Sunset: 7:09pm
County: Jackson	Inspected by: Christian Radcliff, Laney Walstra	
GPS Northing: 4313740.26 N Easting: 603265.85 E UTM Zone: 16 S	Contract Number: R-41582	Anticipated Start Date for Construction: Fall 2022

Bridge or Culvert	Bridge or Culvert
Stream or Road Crossed: N/A	Station: 253+00
Bridge/Culvert number: RCP	Number of Spans: N/A
Type of Structure: <input type="checkbox"/> Concrete box beam <input type="checkbox"/> Steel beam <input type="checkbox"/> Concrete I-beam <input type="checkbox"/> Steel girder <input type="checkbox"/> Concrete bulb tee beam <input type="checkbox"/> Steel pony truss <input type="checkbox"/> Concrete arch <input type="checkbox"/> Welded steel thru girder <input type="checkbox"/> Concrete girder <input type="checkbox"/> Concrete box culvert <input type="checkbox"/> Concrete slab <input checked="" type="checkbox"/> Concrete pipe <input type="checkbox"/> Multi-plate arch <input type="checkbox"/> Corrugated steel pipe <input type="checkbox"/> Other (list):	Material: <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Steel <input type="checkbox"/> Other (describe): Shape: <input type="checkbox"/> Box Culvert <input checked="" type="checkbox"/> Pipe <input type="checkbox"/> Arch <input type="checkbox"/> Slab <input type="checkbox"/> Other (describe)
Searched entire structure? If not, why not? Yes	Location of bats or signs of use (w/drawing and photos):
Bats Present? <input type="checkbox"/> Seen? <input type="checkbox"/> Heard?	
None	
In Clusters? Number of clusters: None	
Number of bats in largest cluster: None	
Approximate total number of bats found: None	
Signs of previous bat use? None <input type="checkbox"/> Guano <input type="checkbox"/> Staining	

If Bats Present
Date and Time Project Supervisor was notified:
Name of Project Supervisor notified:

Des 1700162 and Des 1700161 CE-2

Appendix D

Section 106 of the NHPA

Minor Projects PA Project Assessment Form

Date: 2/25/2021

Project Designation Number: 1700161 and 1700162

Route Number: US 50

Project Description: Auxiliary Lanes, at the intersection of CR 1250 E

The proposed project is located at the intersection US 50, CR 1225 East (1700161), and CR 1250 East. It is located east of the Town of Seymour in Jackson County, IN. The project area begins approximately 1.7 miles east of I-65 and extends approximately 2.0 miles east of I-65. This section of US 50 is classified as a rural principal arterial and is part of the National Highway System. US 50 has 12-foot-wide lanes with 3-foot-wide shoulders. There are open ditches along the roadside for drainage.

The project's purpose is to provide a long-term solution for traffic delays, as well as increase mobility and reduce crash potential. As it stands now, the intersections of US 50 and CR 1250 E/ CR 1225 E experience a queue on US 50 eastbound of vehicles waiting to turn. The backup of traffic is contributing to a larger queuing problem on US 50. This problem creates a higher chance for an accident to occur.

The current planned alternative is to add a 12-foot two-way left turn lane by widening US 50 on the northside of the road. The length of the two-way left turn lane would be approximately 1700 feet with the extents of the two-way left turn addition being divided between Des. No. 1700161 and Des. No. 1700162. The first section's, Des. No. 1700161, project limits would begin just west of CR 1225 E intersection and extend to approximately 1000 feet east. This alternative would be concurrent with Des. No. 1700162, as this designation number will add a 12-foot two-way left turn lane from approximately 1000 feet east of CR 1225 E to approximately 250 feet just west of CR 1250 E where a dedicated left turn lane will develop to service turning movements for US 50 eastbound traffic onto CR 1250 E. Adding a two-way left turn lane for this segment of US 50 would allow thru traffic to transition lanes prior to the area where traffic queuing occurs, solving the backup issue. This addition will reduce crash potential and facilitate mobility which will reduce delays for this segment of US 50. Two drives on the north side of US 50 just east of CR 1225 East that services local businesses and the apartment complex. These drives will be consolidated to one shared drive, to limit access to US 50.

Open roadside ditches will still be used and will be relocated with the widening of US 50. Guardrails and guardrail end treatments will be needed to protect the 2:1 slope near the existing reinforced concrete box culvert east of CR 1250 East and will be included as part of Des. No. 1700162. A Level 1 Design Exception is being requested for Usable Shoulder Width at the culvert. A retaining wall will run on the north side of US 50 at culvert location with the existing headwall to remain and no disturbance to existing channel. Revetment riprap on Geotextile, Type 1A is proposed at culvert. HMA resurfacing of roadway and approaches is planned. This project takes place adjacent to the the Muscatatuck National Wildlife Refuge. Construction is planned to begin in 2022. Concrete curb and gutter are expected to be placed at drives on north side of US 50. Approximately 0.76 acre of permanent and 0.23 acre of temporary right-of-way (ROW) acquisition is anticipated.

Feature crossed (if applicable): N/A

City/Township: Seymour, Jackson Township

County: Jackson

Information reviewed (please check all that apply):

- General project location map USGS map Aerial photograph Interim Report
- Written description of project area General project area photos Soil survey data
- Previously completed historic property reports Previously completed archaeology reports

Minor Projects PA Project Assessment Form

Bridge Inspection Information SHAARD SHAARD GIS Streetview Imagery

Other (please specify): Indiana State Historic Architectural and Archaeological Research Database (SHAARD); Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBCM) website; *Jackson County Interim Report*; Arc Map GIS; Jackson County GIS (accessed via <https://jacksonin.wthgis.com>); online street-view imagery; MPPA application (including maps and photographs) sent by SJCA, dated January 25th, 2021 and on file at the Indiana Department of Transportation, Cultural Resources Office (INDOT-CRO).

Jackson, Christopher

2020 A Phase Ia Archaeological Literature Review and Reconnaissance Survey for the Proposed Mobility Improvement on US Highway 50 at CR 1225 East (Des 1700161) and US Highway 50 at CR 1250 East (Des 1700162), Jackson Township, Jackson County, Indiana. SJCA, Inc. Submitted to Burgess & Niple. Report on file at IDNR, DHPA.

Does the project fall under the Minor Projects PA? yes no

If yes, please specify categories and condition(s) (conditions that are applicable are highlighted):

B-1. Replacement, repair, or installation of curbs, curb ramps, or sidewalks, including when such projects are associated with roadway work such as surface replacement, reconstruction, rehabilitation, or resurfacing projects, including overlays, shoulder treatments, pavement repair, seal coating, pavement grinding, and pavement marking, under the following conditions [***BOTH Condition A, which pertains to Archaeological Resources, and Condition B, which pertains to Above-Ground Resources, must be satisfied***]:

Condition A (Archaeological Resources)

One of the two conditions listed below must be satisfied (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work occurs in previously disturbed soils; *OR*
- ii. Work occurs in undisturbed soils and an archaeological investigation conducted by the applicant and reviewed by INDOT Cultural Resources Office determines that no National Register-listed or potentially National Register-eligible archaeological resources are present within the project area. If the archaeological investigation locates National Register-listed or potentially National Register-eligible archaeological resources, then full Section 106 review will be required. Copies of any archaeological reports prepared for the project will be provided to the Division of Historic Preservation and Archaeology (DHPA) and any archaeological site form information will be entered directly into the State Historic Architectural and Archaeological Database (SHAARD) by the applicant. The archaeological reports will also be available for viewing (by Tribes only) on INSCOPE.

Condition B (Above-Ground Resources)

One of the two conditions listed below must be satisfied (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *OR*
- ii. Work occurs adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource under one of the two additional conditions listed below (*EITHER Condition a OR Condition b must be met and field work and documentation must be completed as described below*):
 - a. No unusual features, including but not limited to historic brick or stone sidewalks, curbs or curb ramps, stepped or elevated sidewalks and historic brick or stone retaining walls are present in the project area adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *OR*
 - b. Unusual features, including but not limited to historic brick or stone sidewalks, curbs or curb ramps, stepped or elevated sidewalks and historic brick or stone retaining walls are present in the project area adjacent to or within a National Register-listed or National Register-eligible individual

Minor Projects PA Project Assessment Form

above-ground resource or district and ANY ONE of the conditions (1, 2, or 3) listed below must be fulfilled:

1. Unusual features described above will not be impacted by the project. Firm commitments regarding the avoidance of these features must be listed in the MPPA determination form and the NEPA document and must be entered into the INDOT Project Commitments Database. These projects will also be flagged for quality assurance reviews by INDOT Cultural Resources Office during/after project construction.
2. Unusual features described above have been determined not to contribute to the significance of the historic resource by INDOT Cultural Resources Office in consultation with the SHPO based on an analysis and justification prepared by their staff or review of such information from other qualified professional historians.
3. Impacts to unusual features described above have been determined by INDOT Cultural Resources Office to be so minimal that they do not diminish any of the characteristics that contribute to the significance of the historic resource, based on an analysis and justification prepared by their staff or review of such information from other qualified professional historians.

Field work and documentation required for fulfillment of condition B-ii:

When the project takes place adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource, it must be field checked by INDOT Cultural Resources Office staff or other qualified professional historian (meeting the Secretary of Interior's Professional Qualification standards [48 Federal Register (FR) 44716]) and photographic documentation must be prepared illustrating both the presence and/or absence of any unusual features along the project route adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource. This documentation must be submitted to INDOT Cultural Resources Office for review.

The only exception would be when it is determined that previous projects along the project route have eliminated the possibility that unusual features adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource exist. In this situation, documentation illustrating the modifications made through previous projects, such as replacement of curbs, curb ramps, or sidewalks, including plan sheets or contract documents and current photographs of the project area, must be submitted to the INDOT Cultural Resources Office for review. With such approved documentation, a site visit by a qualified professional is not required, unless questions arise during the review process. INDOT Cultural Resources Office has the discretion to require the project applicant's qualified professional conduct a site visit when it is not clear if unusual features may be present in the project area.

B-3. Construction of added travel, turning, or auxiliary lanes (e.g., bicycle, truck climbing, acceleration and deceleration lanes) and shoulder widening under the following conditions [***BOTH Condition A, which pertains to Archaeological Resources, and Condition B, which pertains to Above-Ground Resources, must be satisfied***]:

Condition A (Archaeological Resources)

One of the two conditions listed below must be met (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work occurs in previously disturbed soils; *OR*
- ii. Work occurs in undisturbed soils and an archaeological investigation conducted by the applicant and reviewed by INDOT Cultural Resources Office determines that no National Register-listed or potentially National Register-eligible archaeological resources are present within the project area. If the archaeological investigation locates National Register-listed or potentially National Register-eligible archaeological resources, then full Section 106 review will be required. Copies of any archaeological reports prepared for the project will be provided to the DHPA and any archaeological site form

Minor Projects PA Project Assessment Form

information will be entered directly into the SHAARD by the applicant. The archaeological reports will also be available for viewing (by Tribes only) on INSCOPE.

Condition B (Above-Ground Resources)

Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource.

B-4. Installation of new safety appurtenances, including but not limited to, guardrails, barriers, glare screens, and crash attenuators, under the following conditions [*BOTH Condition A, which pertains to Archaeological Resources, and Condition B, which pertains to Above-Ground Resources, must be satisfied*]:

Condition A (Archaeological Resources)

One of the two conditions listed below must be met (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work occurs in previously disturbed soils; *OR*
- ii. Work occurs in undisturbed soils and an archaeological investigation conducted by the applicant and reviewed by INDOT Cultural Resources Office determines that no National Register-listed or potentially National Register-eligible archaeological resources are present within the project area. If the archaeological investigation locates National Register-listed or potentially National Register-eligible archaeological resources, then full Section 106 review will be required. Copies of any archaeological reports prepared for the project will be provided to the DHPA and any archaeological site form information will be entered directly into the SHAARD by the applicant. The archaeological reports will also be available for viewing (by Tribes only) on INSCOPE.

Condition B (Above-Ground Resources)

Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource.

B-9. Installation, replacement, repair, lining, or extension of culverts and other drainage structures under the conditions listed below [*BOTH Condition A, which pertains to Archaeological Resources, and Condition B, which pertains to Above-Ground Resources, must be satisfied*]:

Condition A (Archaeological Resources)

One of the two conditions listed below must be met (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work occurs in previously disturbed soils; *OR*
- ii. Work occurs in undisturbed soils and an archaeological investigation conducted by the applicant and reviewed by INDOT Cultural Resources Office determines that no National Register-listed or potentially National Register-eligible archaeological resources are present within the project area. If the archaeological investigation locates National Register-listed or potentially National Register-eligible archaeological resources, then full Section 106 review will be required. Copies of any archaeological reports prepared for the project will be provided to the DHPA and any archaeological site form information will be entered directly into the SHAARD by the applicant. The archaeological reports will also be available for viewing (by Tribes only) on INSCOPE.

Condition B (Above-Ground Resources)

One of the conditions below must be met (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work does not involve installation of a new culvert and other drainage structure, and there are no impacts to unusual features, including but not limited to historic brick or stone sidewalks, curbs or curb ramps, stepped or elevated sidewalks and retaining walls, under one of the following conditions (*Condition a, Condition b, or Condition c must be satisfied*):
 - a. The structure exhibits no wood, stone, or brick structures or parts therein; *OR*
 - b. The structure exhibits only modern wood, stone, or brick structures or parts therein; *OR*

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- c. The structure exhibits non-modern wood, stone, or brick structures or parts therein and the following conditions are met (*BOTH Condition 1 AND Condition 2 must be met*):
1. Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *AND*
 2. The structure lacks sufficient integrity and/or a context that suggests it might have engineering or historical significance. Under this condition, a qualified professional (meeting the Secretary of Interior's Professional Qualification standards [48 Federal Register (FR) 44716]) must prepare an analysis and justification that the structure lacks sufficient integrity and/or a context that suggests it might have engineering or historical significance. This documentation must be reviewed and approved by INDOT Cultural Resources Office.
- ii. Work involves the installation of a new culvert and other drainage structures AND/OR there may be impacts to unusual features, including historic brick or stone sidewalks, curbs or curb ramps, stepped or elevated sidewalks and retaining walls, under the following conditions (*BOTH Condition a and Condition b must be satisfied*):
- a. Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *AND*
 - b. The subject structure exhibits one of the characteristics described below (*Condition 1, Condition 2 or Condition 3 must be satisfied*).
 1. The structure exhibits no wood, stone, or brick structures or parts therein; *OR*
 2. The structure exhibits only modern wood, stone, or brick structures or parts therein; *OR*

3. The structure exhibits non-modern wood, stone, or brick structures or parts therein but lacks sufficient integrity and/or a context that suggests it might have engineering or historical significance. Under this condition, a qualified professional (meeting the Secretary of Interior's Professional Qualification standards [48 Federal Register (FR) 44716]) must prepare an analysis and justification that the structure lacks sufficient integrity and/or a context that suggests it might have engineering or historical significance. This documentation must be reviewed and approved by INDOT Cultural Resources Office.

Are there any commitments associated with this project? If yes, please explain and include in the Additional Comments Section below. yes no

All project activities, including access to place the revetment riprap on geotextile at the culvert will take place within or to the north of the existing US 50 pavement. No ground disturbing activities will take place south of the US 50 shoulder. This commitment will be placed on the project plans.

Does the project result in a de minimis impact to a Section 4(f) protected historic resource? If yes, please explain in the Additional Comments Section below. yes no

Additional Comments:

Above-ground Resources

With regard to above-ground resources, an INDOT-CRO historian who meets the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61 performed a desktop review, checking the Indiana Register of Historic Sites and Structures (State Register) and National Register of Historic Places (National Register) lists for Jackson County. No listed resources are located immediately adjacent to the project area, a distance that serves as an adequate potential area of effects given the terrain and project scope.

The Indiana Historic Sites and Structures Inventory (IHSSI) and National Register information for Jackson County are available in the Indiana State Historic Architectural and Archaeological Research Database (SHAARD) and the Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBCM). The *Jackson County Interim Report* (1988; Jackson Township) of the Indiana Historic Sites and Structures Inventory (IHSSI) was also consulted. All sites were reviewed through the IHBBCM, which contains the most recently updated SHAARD

Minor Projects PA Project Assessment Form

information. No IHSSI documented properties rated higher than “Contributing” are located immediately adjacent the project area.

According to the IHSSI rating system, generally properties rated "contributing" do not possess the level of historical or architectural significance necessary to be considered individually National Register-eligible, although they would contribute to a historic district. If they retain material integrity, properties rated “notable” might possess the necessary level of significance after further research. Properties rated “outstanding” usually possess the necessary level of significance to be considered National Register eligible if they retain material integrity.

Because the location of the project is not adjacent to a National Register-listed or eligible resource, a field visit by a Qualified Professional historian is not required. The INDOT CRO historian reviewed structures adjacent to the project area utilizing online aerial and street view photography and the Jackson County GIS website. The project area is located a rural, agricultural setting with adjacent above-ground resources consisting primarily of mid to late-twentieth century residential and commercial buildings. The project also proposes to relocate a dirt drainage ditch for road widening to allow for the new left turn lane. No non-modern materials or unusual features were noted in the online street-view examination. None of these resources appear to possess the significance or integrity required to be considered NRHP-eligible. Therefore, Category B-1, Condition B-i is applicable for the proposed curb construction along the north side of the project area, however a visual inspection of the area adjacent to the highway indicated that a roadside ditch had disturbed the length of the project area, disturbing all of the existing ROW in muck of the project area.

Based on the available information, as summarized above, no above-ground concerns exist.

Archaeological Resources

An INDOT-CRO archaeologist, who met the Secretary of the Interior’s Professional Qualification Standards as per 36 CFR Part 61, reviewed and concurs with the conclusions of the archaeological report submitted by SJCA, Inc. (Jackson 2020). The records check found that one previous archaeological reconnaissance had been completed within the project area and that no archaeological sites are located within or adjacent to the project.

The archaeological reconnaissance examined the area north of US 50, including both shovel test probes and pedestrian survey. No cultural resources were documented. No project activities will take place south of the US 50 shoulder and so this area was not included in the field reconnaissance.

Accidental Discovery: If any archaeological artifacts or human remains are uncovered during construction, demolition, or earth moving activities, construction in the immediate area of the find will be stopped, and the INDOT Cultural Resources Office and the Division of Historic Preservation and Archaeology will be notified immediately.

INDOT Cultural Resources staff reviewer(s): Clint Kelly and Shaun Miller

****Be sure to attach this form to the National Environmental Policy Act documentation for this project. Also, the NEPA documentation shall reference and include the description of the specific stipulation in the PA that qualifies the project as exempt from further Section 106 review.*

Des 1700162 and Des 1700161 CE-2

Appendix E

Red Flag Investigation



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N642
Indianapolis, Indiana 46204

PHONE: (317) 232-5113
FAX: (317) 233-4929

Eric Holcomb, Governor
Joe McGuinness,
Commissioner

Date: February 21, 2020

To: Site Assessment & Management
Environmental Policy Office - Environmental Services Division
Indiana Department of Transportation
100 N Senate Avenue, Room N642
Indianapolis, IN 46204

From: Laney Walstra
Seymour District
1104 Prospect St.
Indianapolis, Indiana
laney@green3studio.com

Re: RED FLAG INVESTIGATION
DES 1700162 and 1700161, State Project
Road and Intersection Improvement Project
US 50 and CR 1250 E, CR 1225 E
Jackson County, Indiana

PROJECT DESCRIPTION

Brief Description of Project: The Federal Highway Administration (FHWA) and Indiana Department of Transportation (INDOT) intend to proceed with a road and intersection improvement project along US 50 between CR 1250 E and CR 1225 E. The preferred alternative is to add an auxiliary lane that will function as a two-way left-turn lane near CR 1225 E, to add a left-turn lane from US 50 eastbound to CR 1250 E, widen the lanes, and resurface existing pavement. An existing culvert might require modifications for headwalls protection from the widened road. This project has the lead Des Number of 1700162, with the additional Des Number of 1700161.

Bridge and/or Culvert Project: Yes No Structure # CV 050-036-107.22

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

Proposed right of way: Temporary # Acres More than 0.5 acre Permanent # Acres More than 0.5 acre, Not Applicable

Type of excavation: Excavation will occur to add a new travel lane and shoulder for the length of the project, as well as ditch work. Maximum depth of excavation is expected to be approximately 4 feet.

Maintenance of traffic: Traffic is anticipated to be maintained through phased construction. Barrels will be placed to direct traffic away from the construction area. Temporary lane shifts will provide a minimum of 11-foot wide lanes with minimum 1-foot wide shoulders.

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

State Project: LPA:

Any other factors influencing recommendations:

Work on the culvert listed above has not been confirmed at this point. Whether work will be necessary on the culvert will be determined during the pavement design phase. The culvert is on a 60 month inspection frequency; therefore, and inspection for bats has not been completed within the past 2 years. Excavation and ROW numbers have not been finalized at this time.

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure			
Religious Facilities	N/A	Recreational Facilities	N/A
Airports ¹	N/A	Pipelines	N/A
Cemeteries	N/A	Railroads	N/A
Hospitals	N/A	Trails	N/A
Schools	N/A	Managed Lands	1

Managed Lands: One (1) managed land was found within the 0.5 mile search radius. Muscatatuck National Wildlife Refuge is adjacent to the project area. Coordination with US Fish and Wildlife Service will occur.

WATER RESOURCES TABLE AND SUMMARY

Water Resources			
NWI - Points	N/A	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	16
Canal Structures – Historic	N/A	Lakes	1
NPS NRI Listed	N/A	Floodplain - DFIRM	2
NWI-Lines	14	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	N/A	Sinkhole Areas	N/A
Rivers and Streams	10	Sinking-Stream Basins	N/A

Explanation:

NWI-Line: Fourteen (14) NWI-lines are located within the 0.5 mile search radius. The nearest mapped NWI-Line is located approximately 0.3 mile to the northeast of the project area. No impact is expected

IDEM 303d Listed Streams and Lakes: Five (5) 303d Listed Stream segments are located within the 0.5 mile search radius. The nearest segment, associate with Storm Creek is located approximately 0.38 mile to the east of the project area. No impact is expected.

Rivers and Streams: Ten (10) river and stream segments are located within the 0.5 mile search radius. A UNT to Mutton Creek Ditch is located through the project area. A Waters of the US Report will be prepared, and coordination with INDOT Ecology and Waterway Permitting will occur.

NWI-Wetlands: Sixteen (16) NWI-wetlands are located within the 0.5 mile search radius. The nearest mapped wetland is located approximately 0.07 mile to the south of the project area. No impact is expected.

Lakes: One (1) lake is 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 Ecology and Waterway Permitting will occur.

Floodplain: Two (2) floodplain polygons are mapped within the 0.5 mile search radius. The nearest floodplain polygon is located approximately 0.19 mile to the east of the project area. No impact is expected.

URBANIZED AREA BOUNDARY SUMMARY

Urbanized Area Boundary (UAB): This project lies within the Seymour UAB; however, a Rule 13 Permit from IDEM has not been issued. No further coordination is necessary at this time.

MINING AND MINERAL EXPLORATION TABLE AND SUMMARY

Mining/Mineral Exploration			
Petroleum Wells	N/A	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

No Mining and Mineral Exploration resources found within the 0.5 mile search radius.

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns			
Superfund	N/A	Manufactured Gas Plant Sites	N/A
RCRA Generator/ TSD	N/A	Open Dump Waste Sites	N/A
RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	N/A	Waste Transfer Stations	N/A
Septage Waste Sites	N/A	Tire Waste Sites	N/A
Underground Storage Tank (UST) Sites	N/A	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	N/A	Brownfields	N/A
Construction Demolition Waste	N/A	Institutional Controls	N/A
Solid Waste Landfill	N/A	NPDES Facilities	N/A
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	N/A	Notice of Contamination Sites	N/A

No Hazardous Materials were identified within the 0.5 mile search radius.

ECOLOGICAL INFORMATION SUMMARY

The Jackson 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. A preliminary review of the Indiana Natural Heritage Database by INDOT Environmental Services did indicate the presence of ETR species within the 0.5 mile search radius. Coordination with USFWS and 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. The October 24, 2017 inspection report for Culvert CV 050-036-107.22 states the no evidence was seen or heard in the culvert. Additional investigation to confirm the presence or absence of bats in the culvert will be necessary.

The range-wide programmatic consultation for the Indiana bat and Northern long-eared bat will be completed according to "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects."

RECOMMENDATIONS SECTION

INFRASTRUCTURE

Managed Lands: The Muscatatuck National Wildlife Refuge is adjacent to the project area. Coordination with the US Fish and Wildlife Service 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 ES Ecology and Waterway Permitting:

- One (1) river and stream segment, UNT to Mutton Creek Ditch, flows through the project area.
- One (1) lake is located adjacent to the project area.

URBANIZED AREA BOUNDARY: N/A

MINING AND MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: N/A

ECOLOGICAL INFORMATION: Additional investigation to confirm the presence or absence of bats in the culvert will be necessary. 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 "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects."

INDOT Environmental Services concurrence:

Nicole Fohey-
Breting

Digitally signed by
Nicole Fohey-Breting
Date: 2020.02.21
09:24:32 -05'00'

(Signature)

Prepared by:
Laney Walstra
Ecologist
Green 3, LLC

Graphics:

SITE LOCATION: YES

INFRASTRUCTURE: YES

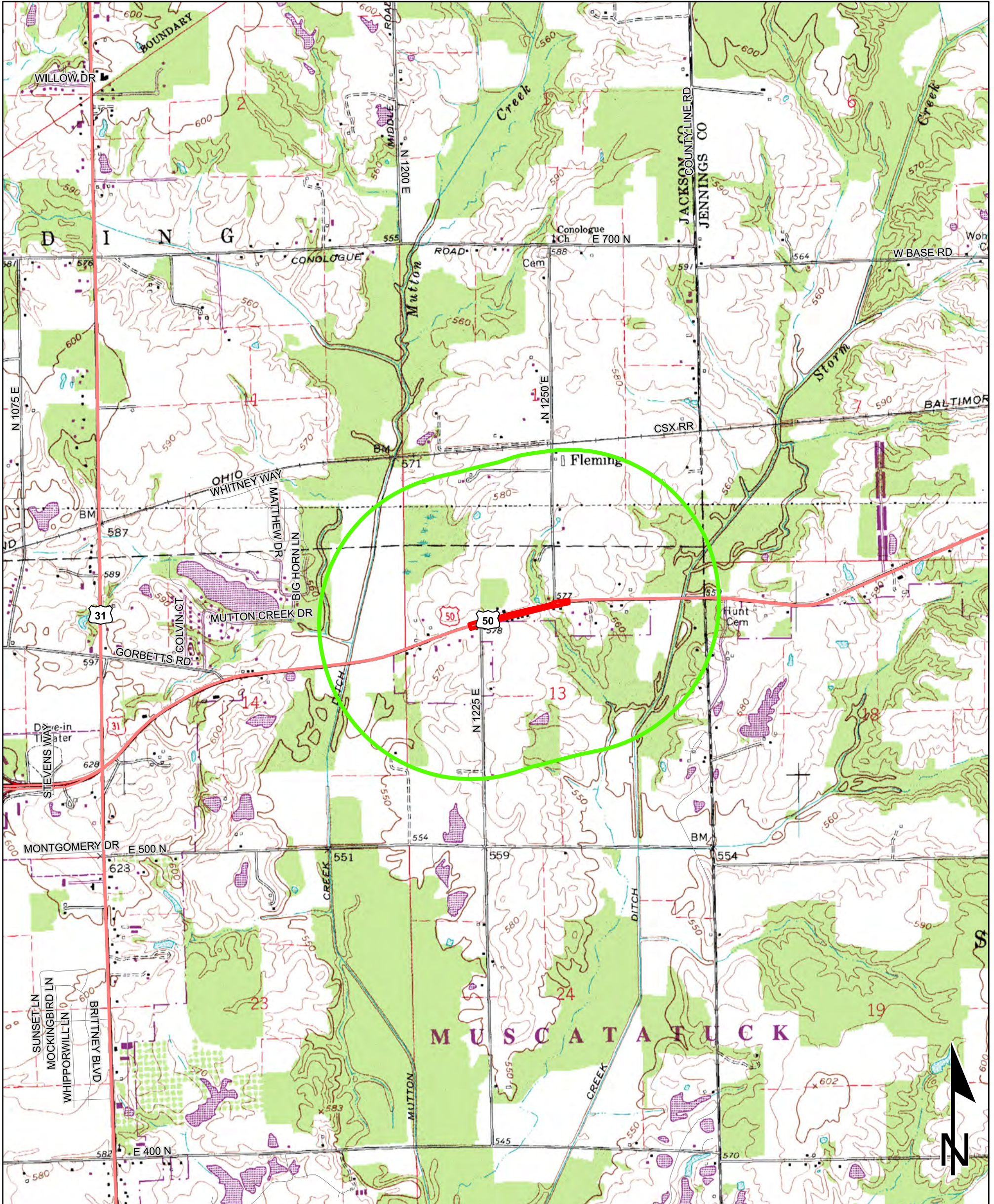
WATER RESOURCES: YES

URBANIZED AREA BOUNDARY: YES

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: N/A

Red Flag Investigation - Site Location
US 50 and CR 1250 E, CR 1225 E, 1.31 Miles Northeast of US 31
Des. No. 1700162 and 1700161 , Road and Intersection Improvements
Jackson County, Indiana



Sources: 0.35 0.17 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.

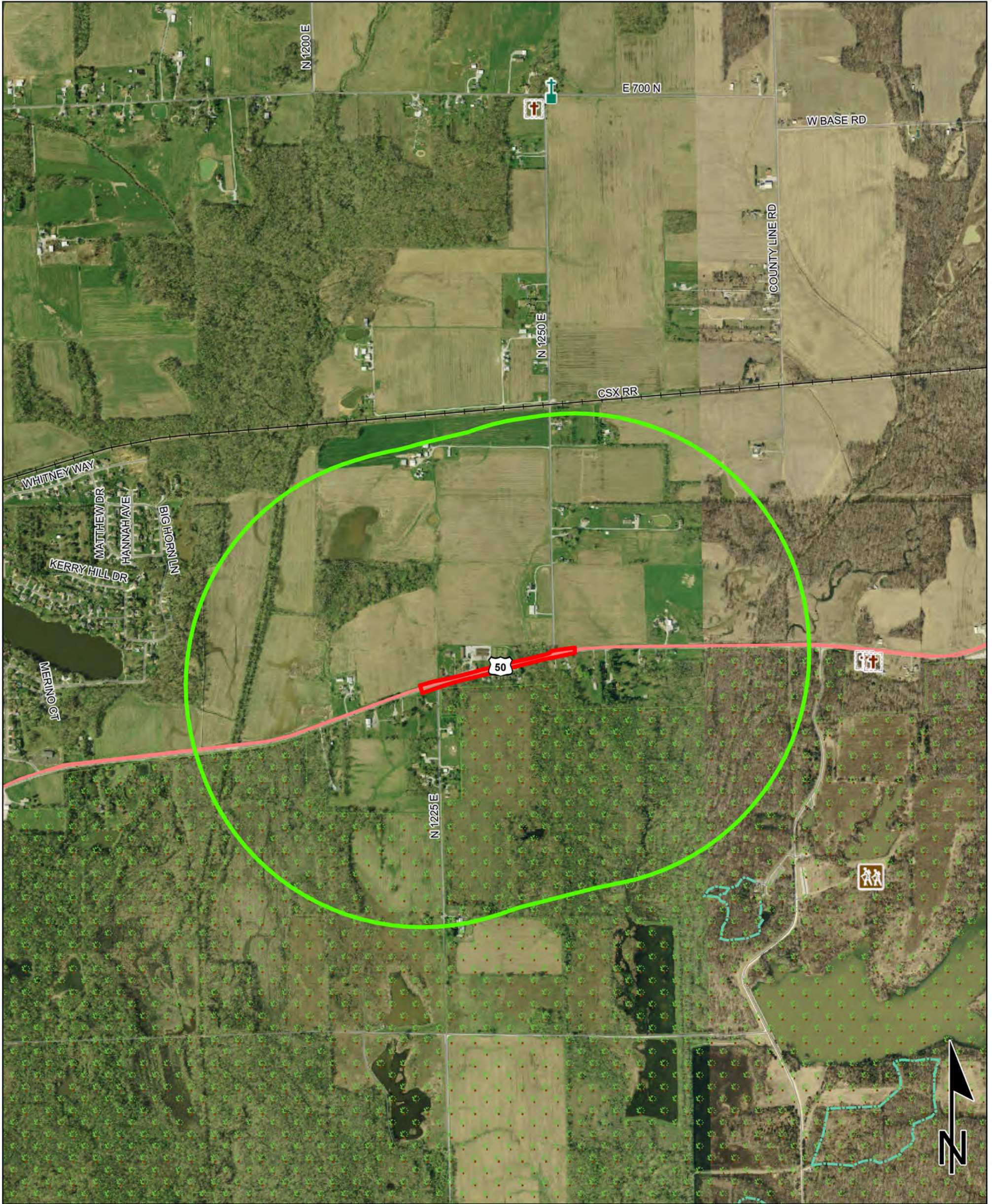
CHESTNUT RIDGE
QUADRANGLE
INDIANA
7.5 MINUTE SERIES

Red Flag Investigation - Infrastructure

US 50 and CR 1250 E, CR 1225 E, 1.31 Miles Northeast of US 31

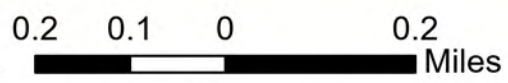
Des. No. 1700162 and 1700161 , Road and Intersection Improvements

Jackson 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

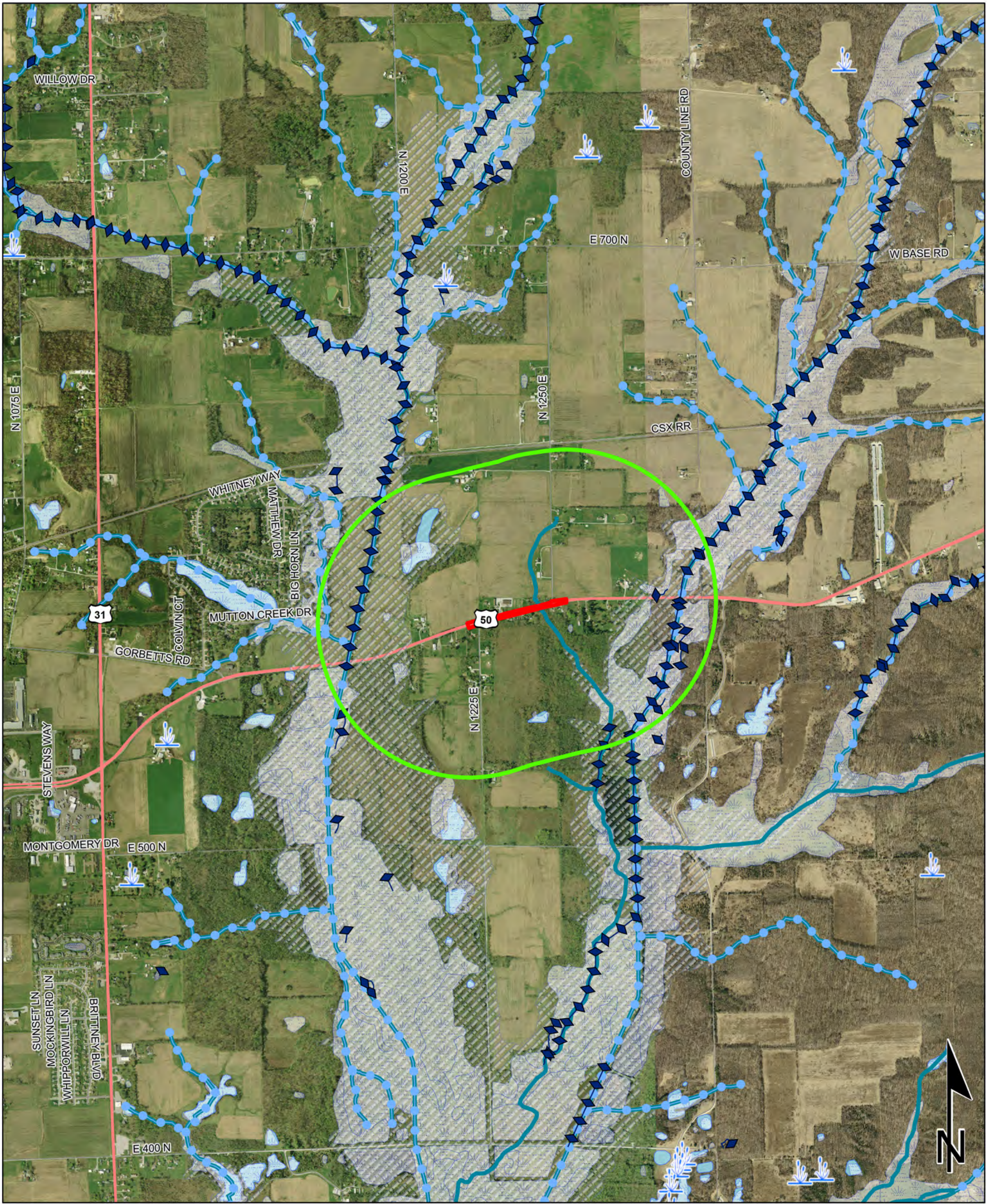
This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



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

Red Flag Investigation - Water Resources

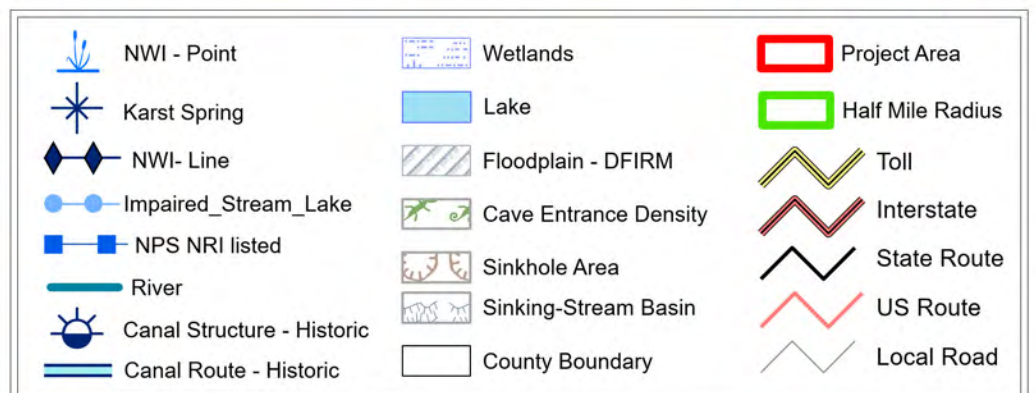
US 50 and CR 1250 E, CR 1225 E, 1.31 Miles Northeast of US 31
 Des. No. 1700162 and 1700161 , Road and Intersection Improvements
 Jackson County, Indiana



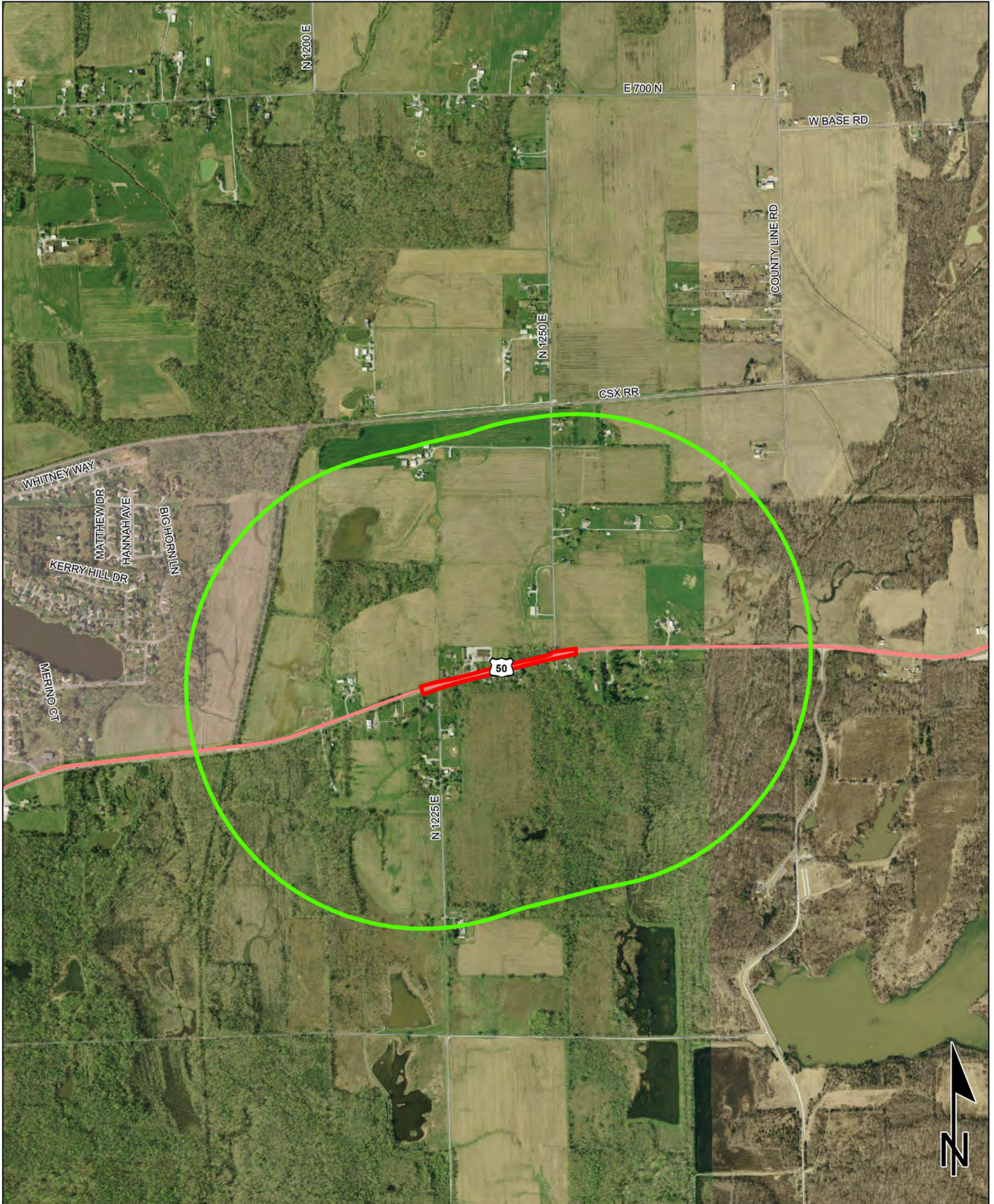
0.4 0.2 0 0.4 Miles

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

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Red Flag Investigation - Urbanized Area Boundary
US 50 and CR 1250 E, CR 1225 E, 1.31 Miles Northeast of US 31
Des. No. 1700162 and 1700161 , Road and Intersection Improvements
Jackson County, Indiana



Sources: 0.25 0.13 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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Indiana County Endangered, Threatened and Rare Species List

County: Jackson

Species Name	Common Name	FED	STATE	GRANK	SRANK
Mollusk: Bivalvia (Mussels)					
Cyprogenia stegaria	Eastern Fanshell Pearlymussel	LE	SE	G1Q	S1
Epioblasma torulosa	Tubercled Blossom	LE	SX	GX	SX
Lampsilis fasciola	Wavyrayed Lampmussel		SSC	G5	S3
Obovaria subrotunda	Round Hickorynut	C	SE	G4	S1
Pleurobema clava	Clubshell	LE	SE	G1G2	S1
Pleurobema cordatum	Ohio Pigtoe		SSC	G4	S2
Pleurobema plenum	Rough Pigtoe	LE	SE	G1	S1
Pleurobema rubrum	Pyramid Pigtoe		SX	G2G3	SX
Ptychobranhus fasciolaris	Kidneyshell		SSC	G4G5	S2
Quadrula cylindrica cylindrica	Rabbitsfoot	LT	SE	G3G4T3	S1
Villosa lienosa	Little Spectaclecase		SSC	G5	S3
Insect: Odonata (Dragonflies & Damselflies)					
Epiheca canis	Beaverpond Baskettail		SE	G5	S1
Rhionaeschna mutata	Spatterdock Darner		ST	G4	S2S3
Fish					
Notropis ariommus	Popeye Shiner			G3	SX
Amphibian					
Hemidactylium scutatum	Four-toed Salamander		SSC	G5	S2
Reptile					
Clonophis kirtlandii	Kirtland's Snake		SE	G2	S2
Crotalus horridus	Timber Rattlesnake		SE	G4	S2
Kinosternon subrubrum subrubrum	Eastern Mud Turtle		SE	G5T5	S2
Macrochelys temminckii	Alligator Snapping Turtle	C	SE	G3G4	SH
Nerodia erythrogaster neglecta	Copperbelly Water Snake	PS:LT	SE	G5T3	S2
Opheodrys aestivus	Rough Green Snake		SSC	G5	S3
Terrapene carolina carolina	Eastern Box Turtle		SSC	G5T5	S3
Bird					
Accipiter striatus	Sharp-shinned Hawk		SSC	G5	S2B
Aimophila aestivalis	Bachman's Sparrow			G3	SXB
Ammodramus henslowii	Henslow's Sparrow		SE	G4	S3B
Ardea alba	Great Egret		SSC	G5	S1B
Bartramia longicauda	Upland Sandpiper		SE	G5	S3B
Buteo platypterus	Broad-winged Hawk		SSC	G5	S3B
Certhia americana	Brown Creeper			G5	S2B
Cistothorus palustris	Marsh Wren		SE	G5	S3B
Cistothorus platensis	Sedge Wren		SE	G5	S3B
Haliaeetus leucocephalus	Bald Eagle		SSC	G5	S2
Helminthos vermivorus	Worm-eating Warbler		SSC	G5	S3B
Ixobrychus exilis	Least Bittern		SE	G5	S3B

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
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Indiana County Endangered, Threatened and Rare Species List

County: Jackson

Species Name	Common Name	FED	STATE	GRANK	SRANK
<i>Lanius ludovicianus</i>	Loggerhead Shrike		SE	G4	S3B
<i>Mniotilta varia</i>	Black-and-white Warbler		SSC	G5	S1S2B
<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron		SE	G5	S2B
<i>Pandion haliaetus</i>	Osprey		SSC	G5	S1B
<i>Rallus elegans</i>	King Rail		SE	G4	S1B
<i>Setophaga cerulea</i>	Cerulean Warbler		SE	G4	S3B
<i>Setophaga citrina</i>	Hooded Warbler		SSC	G5	S3B
<i>Tyto alba</i>	Barn Owl		SE	G5	S2
Mammal					
<i>Myotis sodalis</i>	Indiana Bat	LE	SE	G2	S1
<i>Nycticeius humeralis</i>	Evening Bat		SE	G5	S1
<i>Sorex hoyi</i>	Pygmy Shrew		SSC	G5	S2
<i>Taxidea taxus</i>	American Badger		SSC	G5	S2
Vascular Plant					
<i>Acalypha deamii</i>	Mercury		WL	G4?	S3
<i>Carex atlantica</i> ssp. <i>atlantica</i>	Atlantic Sedge		SE	G5T5	S1
<i>Carex seorsa</i>	Weak Stellate Sedge		SR	G5	S3
<i>Carex straminea</i>	Straw Sedge		ST	G5	S2
<i>Chelone obliqua</i> var. <i>speciosa</i>	Rose Turtlehead		WL	G4T3	S3
<i>Cyperus acuminatus</i>	Short-point Flatsedge		WL	G5	S3
<i>Dichanthelium bicknellii</i>	A Panic-grass		SE	G4?Q	S1
<i>Hydrastis canadensis</i>	Golden Seal		WL	G3G4	S3
<i>Juglans cinerea</i>	Butternut		ST	G4	S2
<i>Magnolia acuminata</i>	Cucumber Magnolia		SE	G5	S1
<i>Mikania scandens</i>	Climbing Hempweed		SE	G5	S1
<i>Najas gracillima</i>	Thread-like Naiad		SR	G5?	S3
<i>Panax quinquefolius</i>	American Ginseng		WL	G3G4	S3
<i>Platanthera flava</i> var. <i>flava</i>	Southern Rein Orchid		SE	G4?T4?Q	S1
<i>Poa paludigena</i>	Bog Bluegrass		SR	G3	S3
<i>Rubus odoratus</i>	Purple Flowering Raspberry		ST	G5	S2
High Quality Natural Community					
Barrens - bedrock siltstone	Siltstone Glade		SG	G2	S2
Forest - floodplain mesic	Mesic Floodplain Forest		SG	G3?	S1
Forest - floodplain wet	Wet Floodplain Forest		SG	G3?	S3
Forest - floodplain wet-mesic	Wet-mesic Floodplain Forest		SG	G3?	S3
Forest - upland dry-mesic Highland Rim	Highland Rim Dry-mesic Upland Forest		SG	GNR	S3
Forest - upland mesic Bluegrass	Bluegrass Mesic Upland Forest		SG	GNR	S3
Forest - upland mesic Highland Rim	Highland Rim Mesic Upland Forest		SG	GNR	S3

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Indiana County Endangered, Threatened and Rare Species List

County: Jackson

Species Name	Common Name	FED	STATE	GRANK	SRANK
Wetland - seep acid	Acid Seep		SG	GU	S1
Other Significant Feature					
Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade	Water Fall and Cascade			GNR	SNR

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Shelby Lutz

From: Foheybreting, Nicole K <NFoheyBreting@indot.IN.gov>
Sent: Tuesday, April 6, 2021 7:27 PM
To: Shelby Lutz
Cc: Christian Radcliff
Subject: RE: Des 1700161 & 1700162 US 50 Intersection RFI Addendum

Greetings Shelby –

Thank you for reaching out in regards to Des No. 1700161 and 1700162. It does not appear as though substantive changes have occurred or that additional coordination is required; therefore, an RFI Addendum does not appear warranted.

Thank you,
Nicole

Nicole Fohey-Breting

Site Assessment & Management (SAM) Specialist

100 North Senate Avenue N758-ES

Indianapolis, Indiana 46204

Office: (317) 416-7084

Email: NFoheyBreting@indot.in.gov

Office Hours: 8 to 4 PM



The Site Assessment and Management (SAM) Manual can be found at <https://www.in.gov/indot/4170.htm>

Be sure to refer to the updated information in the SAM Manual for document preparation and submission.

From: Shelby Lutz <Shelby@sjcainc.com>
Sent: Tuesday, April 06, 2021 11:30 AM
To: INDOT esd.sam <esd.sam@indot.IN.gov>
Cc: Christian Radcliff <cradcliff@sjcainc.com>
Subject: Des 1700161 & 1700162 US 50 Intersection RFI Addendum

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Dear INDOT SAM,

I am working on an intersection project in Jackson County, US 50 at CR 1225 E and CR 1250 E (Des. No. 1700161, 1700162). A Red Flag Investigation was approved for this project on February 21, 2020, signed by Nicole Fohey-Breting.

Since the RFI is over 1 year old, we have re-examined the RFI report and have found minor changes to the resources within the 0.5 mile search radius. Additionally, the project area and scope has shifted, with construction and road

widening now occurring on the north side of the road, rather than along the south side of US 50. This change has occurred to avoid impacts to the Muscatatuck National Wildlife Refuge. I am reaching out today to confirm if an addendum is necessary for this project.

Please find the original approved RFI from February 2020 attached to this email, as well as a brief document explaining the updates and changes that have occurred in the past year. The updates include three additional species to the Jackson County ETR list, and an increase in water resources (5 new impaired streams, 7 new wetlands, and 4 new lakes). No impacts are anticipated to these new features, and no new features are located within or adjacent to the project area.

Should an RFI Addendum be completed for this project? Please let me know if you need any additional information, or if you have any questions.

Thank you,

Shelby Lutz
Ecologist

SJCA Inc.
1104 Prospect Street
Indianapolis, Indiana 46203

Tel: 317-566-0629 | Mobile: 765-635-7304



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