

## APPENDIX E: RED FLAG AND HAZARDOUS MATERIALS



# INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue  
Room N758-ES  
Indianapolis, Indiana 46204

PHONE: (855) 463-6848  
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**Eric Holcomb, Governor**  
**Michael Smith, Commissioner**

Date: May 6, 2022

**RFI Report Excerpt**

To: Site Assessment & Management (SAM)  
Environmental Policy Office - Environmental Services Division (ESD)  
Indiana Department of Transportation (INDOT)  
100 N Senate Avenue, Room N758-ES  
Indianapolis, IN 46204

From: Landon Little  
HNTB Corporation  
111 Monument Circle, Suite 1200  
Indianapolis, Indiana 46204  
Ltlittle@hntb.com

Re: RED FLAG INVESTIGATION  
DES # 1900142, State Project  
Intersection Improvement  
SR 37 at Cuba/Thimler Road, 5.00 Miles East of I-469  
and SR 37 at Notestine Road, 4.68 Miles East of I-469  
Allen County, Indiana

## PROJECT DESCRIPTION

Brief Description of Project: The Indiana Department of Transportation (INDOT) and the Federal Highway Administration (FHWA) intend to proceed with a project involving the intersections of SR 37 and Cuba/Thimler Road and SR 37 at Notestine Road. Please note that Cuba/Thimler Road is labeled Webster Road on the maps. The intent of the project is to improve traffic flow on SR 37 and correct safety concerns at the intersections of SR 37 with Cuba/Thimler Road and SR 37 with Notestine Road. The Cuba-Thimler Road intersection with SR 37 has two-way stop control with preferentiality given to SR 37. There are a number of crashes involving left turning vehicles. Most common are rear-end collisions due to the left turning vehicle being in the SR 37 through lane. Notestine Road is also a two-way stop control with preferentiality given to SR 37. The Notestine intersection has a significant skew causing sight distance issues resulting in right angle and left turn crashes.

Three alternatives are being evaluated for the proposed project including the following. For each of the three alternatives, the intersection of SR 37 at Cuba Road and Thimler Road would be the same and includes the addition of left turn lanes on SR 37 to Cuba Road and Thimler Road.

There are three alternatives under consideration for the intersection of SR 37 and Notestine Road. These include the following.

1. Closure of Notestine Road east of SR 37. Notestine Road east of SR 37 would end in a cul-de-sac and traffic from the east side of SR 37 would have to use Thimler Road to access SR 37. Notestine Road west of SR 37 will remain the same.

2. Offset T-intersections of Notestine Road and SR 37. Notestine Road east of SR 37 would be re-aligned to the north into a T-intersection. Notestine Road west of SR 37 would be re-aligned to the south into a T-intersection. The intersection of Notestine Road would no longer be continuous across SR 37. SR 37 will be widened to include the addition of left turn lanes onto Notestine Road.
3. Re-alignment of the intersection of Notestine Road and SR 37. The intersection of SR 37 and Notestine Road will be re-aligned to the south to eliminate the skew of the intersection. SR 37 will be widened to include the addition of left turn lanes onto Notestine Road.

Three existing culverts are located within the project area. One 18 inch corrugated metal pipe (CMP) crosses SR 37 0.04 mile north of Cuba Road and Thimler Road. This pipe will likely be replaced. CV 037-002-225.11 is an 8 foot by 8 foot box culvert that conveys Amstutz Ditch under SR 37 0.13 mile southwest of Cuba Road and Thimler Road. No work is anticipated to this culvert as part of this project; however, guardrail may be installed at this location. One 15 inch CMP crosses SR 37 0.1 mile southwest of Notestine Road. This culvert will likely be replaced.

Bridge Work Included in Project: Yes  No  Structure #(s) \_\_\_\_\_

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

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

Culvert Work Included in Project: Yes  No  Structure #(s) \_\_\_\_\_

Proposed right of way: Temporary  # Acres \_\_\_\_\_ Permanent  # Acres 6.6\*, Not Applicable

\*Right-of-way acquisition depends on selected alternative but is not anticipated to exceed 6.6 acres.

Type and proposed depth of excavation: Excavation for roadway and culvert replacement work is anticipated to be 6 feet below existing ground surface.

Maintenance of traffic (MOT): Traffic will be maintained through phased construction and temporary lane and shoulder closures. A detour may be necessary depending upon the final design.

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

State Project:  LPA:

Any other factors influencing recommendations:

**INFRASTRUCTURE TABLE AND SUMMARY**

<b>Infrastructure</b>			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Religious Facilities	<b>1*</b>	Recreational Facilities	<b>N/A</b>
Airports <sup>1</sup>	<b>N/A</b>	Pipelines	<b>3</b>
Cemeteries	<b>N/A</b>	Railroads	<b>N/A</b>
Hospitals	<b>N/A</b>	Trails	<b>N/A</b>
Schools	<b>N/A</b>	Managed Lands	<b>N/A</b>

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

Explanation:

Religious Facilities\*: One (1) unmapped religious facility is located within the 0.5 mile search radius. Cuba Mennonite Church is located adjacent to the project area at the SR 37 and Cuba/Thimler Intersection. Coordination with Cuba Mennonite Church will occur.

Pipelines – Three (3) pipeline segments are located within the 0.5 mile search radius. One (1) pipeline segment, Northern Indiana Fuel & Light Co., is adjacent to the project area. Coordination with INDOT Utilities and Railroads will occur.

**WATER RESOURCES TABLE AND SUMMARY**

<b>Water Resources</b>			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
NWI - Points	<b>N/A</b>	Canal Routes - Historic	<b>N/A</b>
Karst Springs	<b>N/A</b>	NWI - Wetlands	<b>5</b>
Canal Structures – Historic	<b>N/A</b>	Lakes	<b>1</b>
NPS NRI Listed	<b>N/A</b>	Floodplain - DFIRM	<b>N/A</b>
NWI-Lines	<b>N/A</b>	Cave Entrance Density	<b>N/A</b>
IDEM 303d Listed Streams and Lakes (Impaired)	<b>N/A</b>	Sinkhole Areas	<b>N/A</b>
Rivers and Streams	<b>7</b>	Sinking-Stream Basins	<b>N/A</b>

If unmapped water features are identified that might impact the project area, direct coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Explanation:

Rivers and Streams: Seven (7) stream segments, are located within the 0.5 mile search radius. The nearest stream segment, Amstutz Ditch, crosses the project area. A Waters of the US Report will be prepared and coordination with INDOT Ecology and Waterway Permitting will occur.

NWI – Wetlands: Five (5) NWI – Wetlands are located within the 0.5 mile search radius. The nearest wetland is located 0.02 mile north of Notestine Road at the eastern end 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 0.06 mile northwest of the SR 37 between Cuba/Thimmler Road and Amstutz Ditch. No impact is expected.

**MINING AND MINERAL EXPLORATION TABLE AND SUMMARY**

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

Explanation: There are no mining and mineral resources located within the 0.5 mile search radius.

**HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY**

<b>Hazardous Material Concerns</b>			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Superfund	N/A	Manufactured Gas Plant Sites	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	1	Notice of Contamination Sites	N/A

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

Explanation:

Leaking Underground Storage (LUST) Sites: Although the icon associated with Harlan Blk Plnt & Filling Station (16206 SR 37, Harlan IN, FID 15200/AI# 15189) is mapped within the project area, the site is more accurately located 0.22 mile northeast of the project area on the south side of SR 37. The site is still located within the 0.5 mile buffer. No impact is expected.

**ECOLOGICAL INFORMATION SUMMARY**

The Allen County listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities is provided at [https://www.in.gov/dnr/naturepreserve/files/np\\_allen.pdf](https://www.in.gov/dnr/naturepreserve/files/np_allen.pdf). A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did not 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 June 12, 2020, inspection report for Culvert # 037-002-225.11 states that no evidence of bats was seen or heard in the culvert. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

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

**INFRASTRUCTURE:**

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

Pipelines: One (1) pipeline segment, Northern Indiana Fuel & Light Co., is adjacent to the project area. Coordination with INDOT Utilities and Railroads will occur.

**WATER RESOURCES:** A Waters of the US Report is recommended based on the presence of mapped features, and coordination with INDOT ESD Ecology and Waterway Permitting will occur for the following features:

- One (1) Stream segment, Amstutz Creek, flows through the project area.

**MINING/MINERAL EXPLORATION:** N/A

**HAZARDOUS MATERIAL CONCERNS:** N/A

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

Nicole Fohey-  
Breting



Digitally signed by  
Nicole Fohey-Breting  
Date: 2022.05.06  
13:36:28 -04'00'

INDOT ESD concurrence: \_\_\_\_\_(Signature)

Prepared by:  
Landon Little  
Scientist  
HNTB Corporation

**Graphics:**

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

**SITE LOCATION:** YES

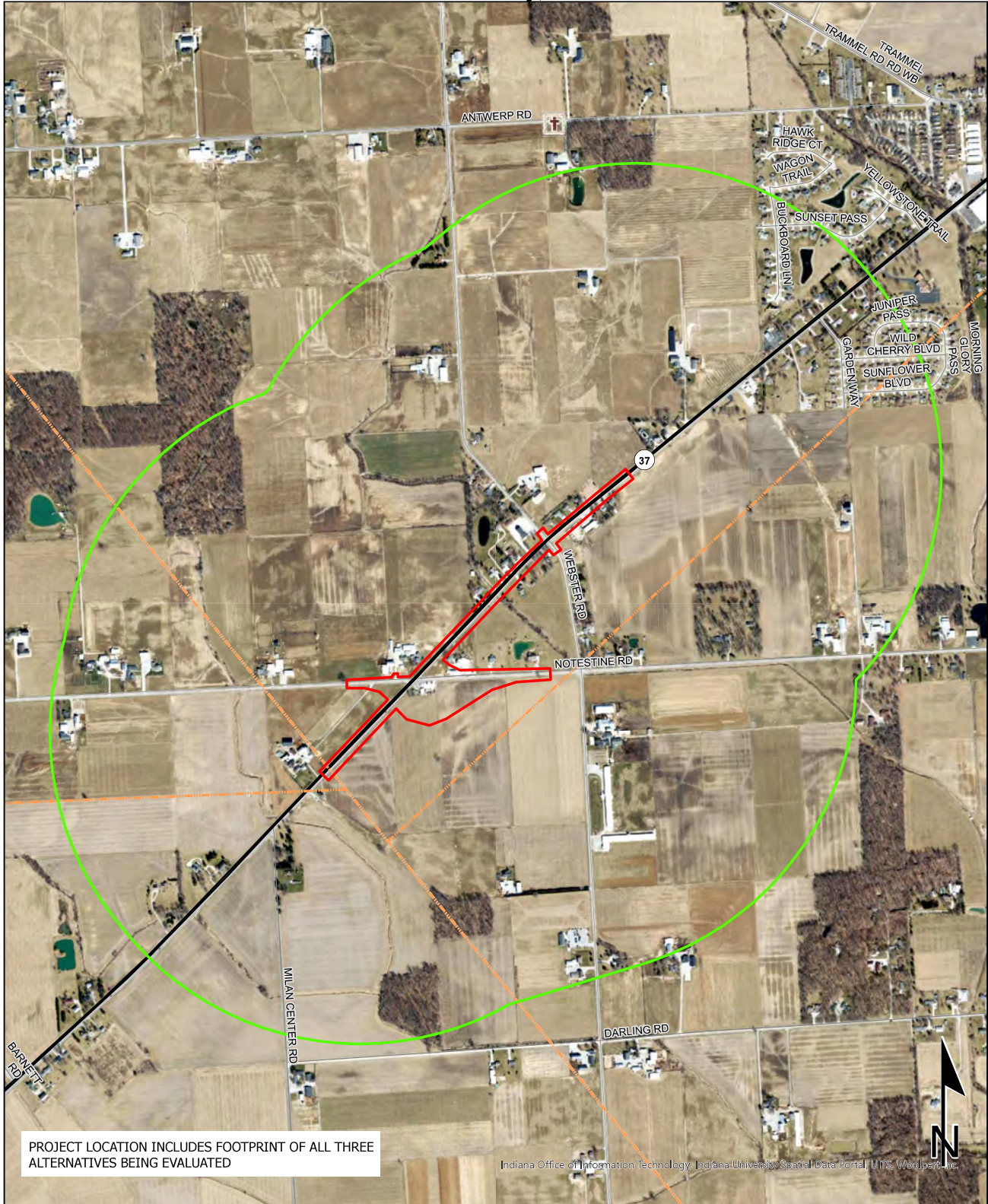
**INFRASTRUCTURE:** YES

**WATER RESOURCES:** YES

**MINING/MINERAL EXPLORATION:** N/A

**HAZARDOUS MATERIAL CONCERNS:** YES

**Red Flag Investigation - Infrastructure**  
**SR 37 at Cuba/Thimler Road, 5.00 Miles East of I-469 and**  
**SR 37 at Notestine Road, 4.68 Miles East of I-469**  
**Des. No. 1900142, Intersection Improvement**  
**Allen County, Indiana**

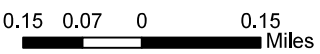


PROJECT LOCATION INCLUDES FOOTPRINT OF ALL THREE ALTERNATIVES BEING EVALUATED

Indiana Office of Information Technology, Indiana University Spatial Data Portal, UTM, Web, part 1, Inc.

**Sources:**  
**Non Orthophotography**  
**Data** - Obtained from the State of Indiana Geographical Information Office Library  
**Orthophotography** - Obtained from Indiana Map Framework Data ([www.indianamap.org](http://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**  
**SR 37 at Cuba/Thimler Road, 5.00 Miles East of I-469 and**  
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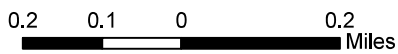


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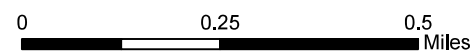
NWI - Point	Wetlands	Project Area
Karst Spring	Lake	Half Mile Radius
NWI- Line	Floodplain - DFIRM	Toll
Impaired_Stream_Lake	Cave Entrance Density	Interstate
NPS NRI listed	Sinkhole Area	State Route
River	Sinking-Stream Basin	US Route
Canal Structure - Historic	County Boundary	Local Road
Canal Route -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



**Red Flag Investigation - Hazardous Material Concerns**  
**SR 37 at Cuba/Thimler Road, 5.00 Miles East of I-469 and SR 37**  
**at Notestine Road, 4.68 Miles East of I-469**  
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	Brownfield		RCRA Generator/TSD		Institutional Controls
	RCRA Corrective Action Sites		Restricted Waste Site		County Boundary
	Confined Feeding Operation		Septage Waste Site		Project Area
	Notice_of_Contamination		Solid Waste Landfill		Half Mile Radius
	Construction/Demolition Site		State Cleanup Site		Toll
	Infectious/Medical Waste Site		Superfund		Interstate
	Leaking Underground Storage Tank		Tire Waste Site		State Route
	Manufactured Gas Plant		Underground Storage Tank		US Route
	NPDES Facilities		Voluntary Remediation Program		Local Road
	NPDES Pipe Locations		Waste Transfer Station		
	Open Dump Waste Site				



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