

**Section 106 800.11(d)**

# **Appendix D**

**Consulting Parties Correspondence**

## Blad, Hannah

---

**From:** Blad, Hannah  
**Sent:** Thursday, October 10, 2019 1:10 PM  
**To:** cslider@dnr.in.gov; jsaegesser@riverhills.cc; sjcmiller@yahoo.com; SCHS1929@gmail.com; gsekula@indianalandmarks.org; contact@schcam.org  
**Cc:** Kelly, Clint; SBranigin (SBranigin@indot.IN.gov); Miller, Shaun (INDOT); Costa, Chad; Quigg, Gary; Fortson, William  
**Subject:** FHWA Project: Des. No. 1800210; SR 56 Intersection Improvement Project, Scott County, Indiana  
**Attachments:** SR 56 Intersection Improvement\_Des1800210\_Early Coordination\_2019-10-10.pdf

**Des. No.: 1800210**

**Project Description: Intersection improvement**

**Location: Intersection of SR 56 and Boatman Road, Vienna Township, Scott County, Indiana**

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

State Historic Preservation Officer, River Hills Economic Development District, Scott County Commissioners, Scott County Highway Department, Scott County Historian, Scott County Historical Society, Indiana Landmarks – Southern Regional Office, Preservation Alliance, Inc., Delaware Tribe of Indians, Oklahoma, Eastern Shawnee Tribe of Oklahoma, Miami Tribe of Oklahoma, Peoria Tribe of Indians of Oklahoma, Pokagon Band of Potawatomi Indians

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

Please review the attached Early Coordination Letter, which is also located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with your comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comments. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. **Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.**

Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Thank you in advance for your input,

**Hannah Blad**

## Blad, Hannah

---

**From:** Kelly, Clint <CKelly1@indot.IN.gov>  
**Sent:** Thursday, October 10, 2019 1:42 PM  
**To:** thpo@estoo.net; dhunter@miamination.com; lpappenfort@peoriatribe.com; Matthew.Bussler@pokagonband-nsn.gov; lheady@delawaretribe.org  
**Cc:** Kumar, Anuradha; Branigin, Susan; Miller, Shaun (INDOT); Fortson, William; michelle.allen@dot.gov; Blad, Hannah  
**Subject:** FHWA Project: Des. No. 1800210; SR 56 Intersection Improvement Project, Scott County, Indiana  
**Attachments:** SR 56 Intersection Improvement\_Des1800210\_Early Coordination\_2019-10-10.pdf

**Des. No.: 1800210**

**Project Description: Intersection improvement**

**Location: Intersection of SR 56 and Boatman Road, Vienna Township, Scott County, Indiana**

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

State Historic Preservation Officer, River Hills Economic Development District, Scott County Commissioners, Scott County Highway Department, Scott County Historian, Scott County Historical Society, Indiana Landmarks – Southern Regional Office, Preservation Alliance, Inc., Delaware Tribe of Indians, Oklahoma, Eastern Shawnee Tribe of Oklahoma, Miami Tribe of Oklahoma, Peoria Tribe of Indians of Oklahoma, Pokagon Band of Potawatomi Indians

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

Please review the attached Early Coordination Letter, which is also located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with your comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comments. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. **Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.**

Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Thank you in advance for your input,

**Clint Kelly**  
*Historian*



# INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue  
Room N642  
Indianapolis, Indiana 46204

PHONE: (317) 234-5168

**Eric Holcomb, Governor**  
**Joe McGuinness,**  
**Commissioner**

October 10, 2019

This letter was sent to the listed parties.

RE: Des. No. 1800210  
SR 56 and Boatman Road - Intersection Improvement Project  
Vienna Township, Scott County

Dear Consulting Party (see attached list),

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210). Lochmueller Group is under contract with INDOT to advance the environmental documentation for the referenced project.

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. No. and project description in your reply and your comments will be incorporated into the formal environmental study.

The proposed undertaking is on SR 56 at its intersection with Boatman Road in Scott County, Indiana. It is within Vienna Township, Scottsburg USGS Topographic Quadrangle, in Section 23 and 24, Township 3 North, and Range 6 East.

The current intersection of SR 56 and Boatman Road is a two-way stop-controlled intersection that provides free flow traffic along SR 56 and stop conditions for Boatman Road traffic. There is a flashing beacon at the intersection that flashes yellow to SR 56 traffic cautioning of the upcoming intersection, and red to the Boatman Road traffic to advise of the upcoming stop. Advisory signs are also posted to the stop signs warning that cross traffic does not stop. The posted speed limit on SR 56 ranges from 50-55 miles per hour (mph), while there is no posted speed limit on Boatman Road. The intersection is at a 28-degree skew and is also located in a reverse curve segment of SR 56.

The need for the project stems from the undesirable geometry of the current intersection. The *Indiana Design Manual* (Section 46-1.02) states the desirable skew of an intersection is less than 20-degrees. The current intersection alignment, which is skewed at 28-degrees, exceeds this guideline. The intersection skew and the location of the intersection in a reverse curve of SR 56 are contributing factors to intersection sight deficiencies for motorists stopped on Boatman Road. The intersection geometry and the free flowing traffic on SR 56 appear to be contributors to the higher incidents of crashes at this location. Between January 1, 2012 and March 13, 2017, 34 accidents have occurred at the intersection. Within the last three years alone, there have been two incapacitating injury crashes and one fatal crash. Of the 34 reported accidents, 15 were a result of a driver's failure to yield. That accounts for roughly 44% of the contributing circumstances surrounding the accidents; the other major factors

[www.in.gov/dot/](http://www.in.gov/dot/)

**An Equal Opportunity Employer**



being following too closely (21%) and distracted driving (12%). Sixteen of the 34 accidents have been right angle collisions, representing 45% of the reported accidents. Right angle accidents can be associated with restricted sight distance, excessive speeds, inadequate roadway lighting, inadequate advance warning signs, large traffic volumes, and inadequate traffic control devices. The purpose of the project is to improve the overall traffic operations and reduce the accident rate of the intersection.

The proposed project will construct a roundabout approximately 65 feet southeast of the existing intersection. As a result, electric, water, and telephone lines will be relocated as well as a high-pressure gas main. In total, up to 3.5 acres of permanent right-of-way (ROW) will be acquired for this project. There will be no relocations associated with this project. More information will be available as design on the project progresses.

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic and archaeological properties. In accordance with 36 CFR 800.2 (c), you are hereby requested to be a consulting party to participate in the Section 106 process. Entities that have been invited to participate in the Section 106 consultation process for this project are identified in the attached list. Per 36 CFR 800.3(f), we hereby request that the Indiana State Historic Preservation Officer (SHPO) notify this office if the SHPO staff is aware of any other parties that may be entitled to be consulting parties or should be contacted as potential consulting parties for the project.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, assess its effects and seek ways to avoid, minimize or mitigate any adverse effects on historic properties. For more information regarding the protection of historic resources, please see the Advisory Council on Historic Preservation's guide: *Protecting Historic Properties: A Citizen's Guide to Section 106 Review* available online at <https://www.achp.gov/digital-library-section-106-landing/citizens-guide-section-106-review>.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic resources. At this time, no cultural resource investigations have occurred; however, the results of cultural resource identification and evaluation efforts, both above-ground and archaeological, will be forthcoming. Consulting parties will receive notification when these reports are completed.

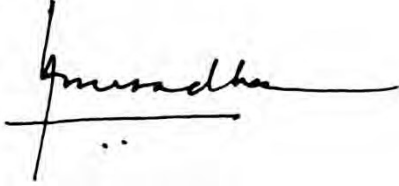
Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party, or if you do not respond, you will not be included on the list of consulting parties for this project. If we do not receive your response in the time allotted, the project will proceed consistent with the proposed design and you will not receive further information about the project unless the design changes.

For questions concerning specific project details, you may contact Hannah Blad of Lochmueller Group at 317-334-6826 or [hblad@lochgroup.com](mailto:hblad@lochgroup.com). All future responses regarding the proposed project should be forwarded to Lochmueller Group at the following address:

Hannah Blad  
Historian/Section 106 Specialist  
Lochmueller Group  
3502 Woodview Trace, Suite 150  
Indianapolis, IN 46268  
[hblad@lochgroup.com](mailto:hblad@lochgroup.com)

Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Sincerely,



Anuradha V. Kumar, Manager  
Cultural Resources Office  
Environmental Services

Enclosures:

- USGS Topographic Map

Enclosures removed to prevent duplication

Distribution List:

- State Historic Preservation Officer
- River Hills Economic Development District
- Scott County Commissioners
- Scott County Highway Department
- Scott County Historian
- Scott County Historical Society
- Indiana Landmarks – Southern Regional Office
- Preservation Alliance, Inc.
- Delaware Tribe of Indians, Oklahoma
- Eastern Shawnee Tribe of Oklahoma
- Miami Tribe of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians



Division of Historic Preservation & Archaeology · 402 W. Washington Street, W274 · Indianapolis, IN 46204-2739  
Phone 317-232-1646 · Fax 317-232-0693 · dhpa@dnr.IN.gov · www.IN.gov/dnr/historic



October 31, 2019

Hannah Blad  
Historian/Section 106 Specialist  
Lochmueller Group  
3502 Woodview Trace, Suite 150  
Indianapolis, Indiana 46268

Federal Agency: Indiana Department of Transportation (“INDOT”),  
on behalf of Federal Highway Administration, Indiana Division (“FHWA”)

Re: Early coordination letter for the SR 56 and Boatman Road - Intersection Improvement Project  
(construction of a roundabout) in Vienna Township, Scott County, Indiana (Des. No. 1800210;  
DHPA No. 24521)

Dear Ms. Blad:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the “Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana,” the staff of the Indiana State Historic Preservation Officer (“Indiana SHPO” or “INDNR-DHPA”) has reviewed INDOT’s October 10, 2019, early coordination letter, which we received on October 11.

The only additional party we can suggest that you invite to be a consulting party in this Section 106 consultation is the Scott County Heritage Center and Museum, for which contact information is available at <https://indianahistory.org/across-indiana/hometown-resources/find-who-you-need-by-county/>. Also, if right-of-way is likely to be taken from a potentially historic property, it would be advisable to invite the owner of that property as soon as possible. In your next regular correspondence on this project, please advise us of the name and contact information (e-mail address, if possible) of those invited parties who have accepted.

We look forward to reviewing the proposed area of potential effects (“APE”) and the reports on investigations of above-ground cultural resources and of archaeological resources that INDOT indicated will be forthcoming. Because it is anticipated that as much as 3.5 acres of additional, permanent right-of-way will be needed, and even though design work is in the early stages, we recommend that the APEs for both above-ground resources and for archaeological resources be drawn broadly enough to take into consideration possible effects of any conceivable location and configuration of the roundabout. We have observed that in some projects, the Section 106 review is completed quickly, but the review of the project later has to be revisited when an overlooked aspect of the scope of work or design is added.

The Indiana SHPO staff’s archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is John Carr. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

Hannah Blad  
October 31, 2019  
Page 2

In all future correspondence about the SR 56 and Boatman Road - Intersection Improvement Project in Vienna Township of Scott County (Des. No. 1800210), please refer to DHPA No. 24521.

Very truly yours,



Beth K. McCord  
Deputy State Historic Preservation Officer

BKM:JLC:jlc

emc: Anuradha Kumar, INDOT  
Shaun Miller, INDOT  
Susan Branigin, INDOT  
Shirley Clark, INDOT  
Chad Costa, Lochmueller Group  
Hannah Blad, Lochmueller Group  
Wade T. Tharp, INDNR-DHPA  
John Carr, INDNR-DHPA



## Blad, Hannah

---

**From:** Blad, Hannah  
**Sent:** Thursday, October 31, 2019 1:36 PM  
**To:** contact@schcam.org  
**Cc:** Kelly, Clint; SBranigin (SBranigin@indot.IN.gov); Miller, Shaun (INDOT); Costa, Chad; Quigg, Gary; Fortson, William; WTharp1 (WTharp1@dnr.IN.gov); jcarr (JCarr@dnr.IN.gov)  
**Subject:** FHWA Project: Des. No. 1800210; SR 56 Intersection Improvement Project, Scott County, Indiana  
**Attachments:** SR 56 Intersection Improvement\_Des1800210\_Early Coordination\_2019-10-10.pdf

**Des. No.: 1800210**

**Project Description: Intersection improvement**

**Location: Intersection of SR 56 and Boatman Road, Vienna Township, Scott County, Indiana**

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

State Historic Preservation Officer, River Hills Economic Development District, Scott County Commissioners, Scott County Highway Department, Scott County Historian, Scott County Historical Society, Indiana Landmarks – Southern Regional Office, Preservation Alliance, Inc., Scott County Heritage Center and Museum, Delaware Tribe of Indians, Oklahoma, Eastern Shawnee Tribe of Oklahoma, Miami Tribe of Oklahoma, Peoria Tribe of Indians of Oklahoma, Pokagon Band of Potawatomi Indians

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

Please review the attached Early Coordination Letter, which is also located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with your comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comments. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. **Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.**

Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Thank you in advance for your input,

## Blad, Hannah

---

**From:** sbear@hsonline.net  
**Sent:** Sunday, November 3, 2019 11:57 PM  
**To:** Blad, Hannah

Hannah, I have received the letter ref: S.R.56 and Boatman road in Scott County. The letter requests me to reply if I want to be a consulting party for this project. Yes, I do want to be a consulting party as a County Commissioner I feel it is important to be kept aware of any information about a round-a-bout at this location. Thank you very much, Scott County Commissioner District #3, John C.

## Hannah Blad

---

**From:** Hannah Blad  
**Sent:** Tuesday, May 5, 2020 9:03 AM  
**To:** sbear@hsonline.net; WTharp1 (WTharp1@dnr.IN.gov); jcarr (JCarr@dnr.IN.gov)  
**Cc:** Kelly, Clinton; SBranigin (SBranigin@indot.IN.gov); Miller, Shaun (INDOT); Chad Costa; Gary Quigg; Dye, David (DDYE@indot.IN.gov); Shawn Strange; Tim Suber; Andrew Martin (amartin@crai-ky.com); Coon, Matthew  
**Subject:** FHWA Project: Des. No. 1800210; SR 56 Intersection Improvement Project, Scott County, Indiana  
**Attachments:** SR 56 Intersection Improvement\_Des1800210\_HPR and Archaeology Report Distribution Letter\_2020-05-05.pdf

**Des. No.: 1800210**

**Project Description: Intersection improvement**

**Location: Intersection of SR 56 and Boatman Road, Vienna Township, Scott County, Indiana**

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210). The Section 106 Early Coordination Letter for this project was originally distributed on October 10, 2019.

As part of Section 106 of the National Historic Preservation Act, a Historic Property Report and Archaeology Report (tribes only) have been prepared and are ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Thank you in advance for your input,

**Hannah Blad**

Historian/Section 106 Specialist

**Lochmueller Group**

3502 Woodview Trace

Suite 150, Indianapolis, IN 46268

317.334.6826 (direct) | 574.248.2121 (mobile)

[HBlad@lochgroup.com](mailto:HBlad@lochgroup.com)

<http://lochgroup.com>

This e-mail message is for the sole use of the intended recipient(s), and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient(s), please contact the sender by reply e-mail and destroy all copies of the original message. Thank you!

## Hannah Blad

---

**From:** Miller, Shaun (INDOT) <smiller@indot.IN.gov>  
**Sent:** Tuesday, May 5, 2020 9:21 AM  
**To:** Larry Heady; thpo@estoo.net; Diane Hunter; 'lpappenfort@peoriatribe.com'; Matthew.Bussler@pokagonband-nsn.gov; tonya@shawnee-tribe.com  
**Cc:** Kelly, Clint; Hannah Blad  
**Subject:** FW: FHWA Project: Des. No. 1800210; SR 56 Intersection Improvement Project, Scott County, Indiana  
**Attachments:** SR 56 Intersection Improvement\_Des1800210\_HPR and Archaeology Report Distribution Letter\_2020-05-05.pdf

**Des. No.: 1800210**

**Project Description: Intersection improvement**

**Location: Intersection of SR 56 and Boatman Road, Vienna Township, Scott County, Indiana**

Dear consulting parties,

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210). The Section 106 Early Coordination Letter for this project was originally distributed on October 10, 2019.

As part of Section 106 of the National Historic Preservation Act, a Historic Property Report and Archaeology Report (tribes only) have been prepared and are ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Thank you in advance for your input,

Shaun Miller  
INDOT, Cultural Resources Office  
Archaeology Team Lead  
(317)233-6795



# INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue  
Room N642  
Indianapolis, Indiana 46204

PHONE: (317) 234-5168

**Eric Holcomb, Governor**  
**Joe McGuinness, Commissioner**

May 5, 2020

This letter was sent to the listed parties.

RE: SR 56 and Boatman Road – Intersection Improvement Project  
Vienna Township, Scott County  
Des. No. 1800210  
DHPA No. 24521

Dear Consulting Party,

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration, proposes to proceed with an intersection improvement project (Des. No. 1800210).

This letter is part of the Section 106 review process for this project. Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic and archaeological properties. We are requesting comments from you regarding the possible effects of this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

A Section 106 early coordination letter was distributed on October 10, 2019.

The proposed undertaking is on SR 56 at its intersection with Boatman Road in Scott County, Indiana. It is within Vienna Township, Scottsburg USGS Topographic Quadrangle, in Section 23 and 24, Township 3 North, and Range 6 East.

The need for the project stems from the undesirable geometry of the current intersection. The Indiana Design Manual (Section 46-1.02) states the desirable skew of an intersection is less than 20-degrees. The current intersection alignment, which is skewed at 28-degrees, exceeds this guideline. The intersection skew and the location of the intersection in a reverse curve of SR 56 are contributing factors to intersection sight deficiencies for motorists stopped on Boatman Road. The intersection geometry and the free-flowing traffic on SR 56 appear to also be contributors to the higher incidence of crashes at this location. Between January 1, 2012 and March 13, 2017, 34 accidents occurred at the intersection. Within the last three years alone, there have been two incapacitating injury crashes and one fatal crash. Of the 34 reported accidents (2012-2017), 15 were a result of a driver's failure to yield. That accounts for roughly 44% of the contributing circumstances surrounding the accidents; the other major factors being following too closely (21%) and distracted driving (12%). Sixteen of the 34 accidents have been right angle collisions, representing 45% of the reported accidents. Right angle accidents can be associated with restricted sight distance, excessive speeds, inadequate roadway lighting, inadequate advance warning signs, large traffic volumes, and inadequate traffic control devices. The purpose of the project is to improve the overall traffic operations and reduce the accident rate of the intersection.

[www.in.gov/dot/](http://www.in.gov/dot/)  
**An Equal Opportunity Employer**



The project proposes the construction of a single lane roundabout offset from the existing intersection by approximately 65 feet to the southeast. As a result, electric, water, and telephone lines are likely to require relocation, as well as a high-pressure gas main. Outside the roundabout, the proposed typical section of both SR 56 and Boatman Road will include two 12-foot wide travel lanes (one in each direction) with 2-foot wide paved and 2-foot wide aggregate shoulders. The design speed for SR 56 is 45 mph while for Boatman Road it is 35 mph.

Approaching the roundabout, the travel lane width varies from 12 to 16 feet wide with a 2-foot, 6-inch wide curb and gutter to the outside and a 6-inch wide curb face along the inside splitter island. The splitter islands will be used to separate traffic entering and exiting the roundabout. The roundabout will comprise of a single 20-foot wide lane with a 2-foot, 6-inch wide mountable concrete curb and gutter and a 10-foot wide concrete truck apron along the inside. The outside of the roundabout lane will be bordered by a 2-foot concrete gutter with a 6-inch wide vertical curb face. Drainage in the project area will be maintained by a combination of side ditches and underdrains with turnout areas leading to the constructed side ditches.

Since the distribution of the early coordination letter, additional design elements have been incorporated into the project including that the access between Mount Drive and SR 56 along the east leg will be closed. An earthen berm will be constructed across Mount Drive to prevent continued access to and from SR 56. In addition, a truck turnaround will be constructed on the south side of Mount Drive. The proposed concrete apron provides a place to make a three-point turn and return to Boatman Road for commercial trucks, sanitary vehicles, and school buses that still need to service the residences and businesses along Mount Drive.

Lochmueller Group is under contract with INDOT to advance the environmental documentation for the referenced project. Cultural Resource Analysis, Inc. (CRA) has been subcontracted to complete the archaeological Section 106 documentation for the project.

In accordance with 36 CFR 800.2 (c), you were invited to become a consulting party as part of the Section 106 process, or you are hereby invited to become a consulting party as part of the Section 106 process. Entities that have previously accepted consulting party status--as well as additional entities that are currently being invited to become consulting parties--are identified in the attached list.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, to assess the undertaking's effects and to seek ways to avoid, minimize, or mitigate any adverse effects on historic properties. For more information regarding the protection of historic resources, please see the Advisory Council on Historic Preservation's guide: *Protecting Historic Properties: A Citizen's Guide to Section 106 Review* available online at <https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf>.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic resources. The APE contains no resources listed in the National Register of Historic Places (National Register).

A historian who meets the Secretary of the Interior's Professional Qualification Standards identified and evaluated above-ground resources within the APE for potential eligibility for the National Register. As a result of the historic property identification and evaluation efforts, no above-ground resources are recommended as eligible for listing in the National Register.

With regard to archaeological resources, an archaeologist who meets the Secretary of the Interior's Professional Qualification Standards identified one site within the project area. As a result of these efforts, site 12S93 was recommended as not eligible for listing in the National Register and no further work is recommended.

Since the distribution of the early coordination material, the District 3 Scott County Commissioner and the SHPO staff are consulting parties for this undertaking. In their response letter dated October 31, 2019, the SHPO staff asked that the Scott County Heritage Center and Museum also be invited to be a consulting party. Early coordination materials were sent to the Scott County Heritage Center and Museum on October 31, 2019. No response was received from the museum.

The Historic Property Report and Archaeology Report (Tribes only) are available for review in IN SCOPE at <http://erms.indot.in.gov/Section106Documents/> (the Des. No. is the most efficient search term, once in IN SCOPE). You are invited to review these documents and to respond with comments on any historic resource impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If you prefer a hard copy of this material, please respond to this email with your request within seven (7) days.

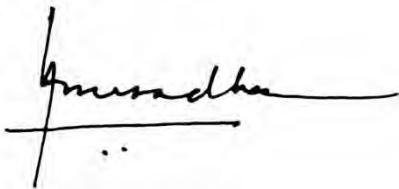
Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party or if you have not previously accepted consulting party status and you do not respond to this letter, you will not be included on the list of consulting parties for this project and will not receive further information about the project unless the design changes.

For questions concerning specific project details, you may contact Hannah Blad of Lochmueller Group at 317-334-6826 or [hblad@lochgroup.com](mailto:hblad@lochgroup.com). All future responses regarding the proposed project should be forwarded to Lochmueller Group at the following address:

Hannah Blad  
Historian/Section 106 Specialist  
Lochmueller Group  
3502 Woodview Trace, Suite 150  
Indianapolis, IN 46268  
[hblad@lochgroup.com](mailto:hblad@lochgroup.com)

Tribal contacts may contact Shaun Miller at [smiller@indot.in.gov](mailto:smiller@indot.in.gov) or 317-233-6795 or Michelle Allen at FHWA at [michelle.allen@dot.gov](mailto:michelle.allen@dot.gov) or 317-226-7344.

Sincerely,



Anuradha V. Kumar, Manager  
Cultural Resources Office  
Environmental Services

[www.in.gov/dot/](http://www.in.gov/dot/)  
**An Equal Opportunity Employer**



Enclosures:

- APE Map

Enclosures removed to prevent duplication

Distribution List:

- State Historic Preservation Officer
- Scott County Commissioner District 3





# Miami Tribe of Oklahoma

3410 P St. NW, Miami, OK 74354 • P.O. Box 1326, Miami, OK 74355  
Ph: (918) 541-1300 • Fax: (918) 542-7260  
[www.miamination.com](http://www.miamination.com)



Via email: [smiller@indot.in.gov](mailto:smiller@indot.in.gov)

May 5, 2020

Shaun Miller  
Archaeological Team Lead, Cultural Resources Office  
Indiana DOT  
575 North Pennsylvania Street  
Indianapolis, IN 46204

Re: Des. No. 1800210; SR 56 Intersection Improvement Project, Scott County, Indiana –  
Comments of the Miami Tribe of Oklahoma

Dear Mr. Miller:

Aya, kikwehsitoole – I show you respect. My name is Diane Hunter, and I am the Tribal Historic Preservation Officer for the Federally Recognized Miami Tribe of Oklahoma. In this capacity, I am the Miami Tribe's point of contact for all Section 106 issues.

The Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this project is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at [dhunter@miamination.com](mailto:dhunter@miamination.com) to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed project. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter  
Tribal Historic Preservation Officer



June 9, 2020

Hannah Blad  
Historian/Section 106 Specialist  
Lochmueller Group  
3502 Woodview Trace, Suite 150  
Indianapolis, Indiana 46268

Federal Agency: Indiana Department of Transportation (“INDOT”),  
on behalf of Federal Highway Administration, Indiana Division (“FHWA”)

Re: Historic property report (Blad, 5/5/2020), and Phase Ia archaeological field reconnaissance survey report (Bundy, 03/31/2020), for the SR 56 and Boatman Road—Intersection Improvement Project (construction of a roundabout) in Vienna Township, Scott County, Indiana (Des. No. 1800210; DHPA No. 24521)

Dear Ms. Blad:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the “Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana,” the staff of the Indiana State Historic Preservation Officer (“Indiana SHPO” or “INDNR-DHPA”) has reviewed INDOT’s May 5, 2020, letter, with the aforementioned reports enclosed, which we received on May 12, 2020.

The area of potential effects (“APE”) proposed in the historic property report (“HPR”; Blad, 5/5/2020) appears to be of adequate size to encompass the geographic area in which effects could occur, as long as the project area is not extended any farther to the north or northwest than is currently proposed.

For the purposes of the Section 106 review of this particular federal undertaking, we agree with the HPR that there are no aboveground properties within the APE that are eligible for inclusion in the National Register of Historic Places (“NRHP”). However, if a consulting party or a member of the public were to express a different opinion about the eligibility of a property within the APE in a timely manner, then further consultation on that matter should take place.

In regard to archaeological resources, based on the submitted information and the documentation available to the staff of the Indiana SHPO, we have not identified any currently known archaeological resources listed in or eligible for inclusion in the NRHP within the proposed project area, and it is our opinion that no further archaeological investigations appear necessary at the proposed project area.

Additionally, there is insufficient information regarding archaeological site 12-S-0093 (which was identified during these archaeological investigations) to determine whether it is eligible for inclusion in the NRHP. However, we concur with the opinion of the archaeologist, as expressed in the Phase Ia archaeological field reconnaissance survey report (Bundy, 03/31/2020), that the portions of site 12-S-0093 that lie within the proposed project area are unlikely to yield important archaeological data; and that no further archaeological investigations of these portions of site 12-S-0093 appear necessary. The portions of site 12-S-0093 that lie outside the proposed project area should be clearly marked and must be avoided by all ground-disturbing project activities. If avoidance is not feasible, then a plan for subsurface archaeological investigations must be submitted to the DHPA.

for review and comment. Any further archaeological investigations must be done in accordance with the “Secretary of the Interior’s Standards and guidelines for Archeology and Historic Preservation” (48 F.R. 44716).

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29) requires that the discovery be reported to the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology within two (2) business days. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. Part 800.

Unless another consulting party disagrees with the conclusions of the HPR or the archaeological report, it might be appropriate to ask INDOT for a finding.

The Indiana SHPO staff’s archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is John Carr. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the SR 56 and Boatman Road—Intersection Improvement Project in Vienna Township of Scott County (Des. No. 1800210), please continue to refer to DHPA No. 24521.

Very truly yours,



Beth K. McCord  
Deputy State Historic Preservation Officer

BKM:JLC:WTT:wtt

emc: Anuradha Kumar, INDOT  
Shaun Miller, INDOT  
Susan Branigin, INDOT  
Shirley Clark, INDOT  
Chad Costa, Lochmueller Group  
Hannah Blad, Lochmueller Group  
Board of Commissioners of Scott County  
Scott County Highway Superintendent  
Wade T. Tharp, INDNR-DHPA  
John Carr, INDNR-DHPA

**Section 106 800.11(d)**

# **Appendix E**

**Historic Property Report Summary**

**Archaeological Report Summary**

**SR 56 Intersection Improvement Project:  
SR 56 and Boatman Road  
Vienna Township, Scott County, Indiana  
Des. No. 1800210  
DHPA No. 24521  
Historic Property Report  
May 5, 2020**



**Prepared for:  
Indiana Department of Transportation  
Federal Highway Administration**



**Hannah Blad**  
*Hannah Blad*

**SR 56 Intersection Improvement Project:  
SR 56 and Boatman Road  
Vienna Township, Scott County, Indiana  
Des. No. 1800210  
Historic Property Report**

**I. MANAGEMENT SUMMARY**

This report documents the identification and evaluation efforts for properties included in the Area of Potential Effects (APE) for the SR 56 Intersection Improvement Project at the intersection of State Road (SR) 56 and Boatman Road in Vienna Township, Scott County, Indiana. Above-ground resources located within the project APE were identified and evaluated in accordance with Section 106, National Historic Preservation Act (NHPA) of 1966, as amended, and the regulations implementing Section 106 (36 CFR Part 800).

As a result of the NHPA, as amended, and CFR Part 800, federal agencies are required to take into account the impact of federal undertakings upon historic properties in the area of the undertaking. Historic properties include buildings, structures, sites, objects, and/or districts that are eligible for or listed in the National Register of Historic Places (National Register). As this project is receiving funding from the Federal Highway Administration (FHWA), it is subject to a Section 106 review.

The APE contains no properties listed in the National Register.

The APE contains no properties that are recommended eligible for listing in the National Register.

**A PHASE IA ARCHAEOLOGICAL RECONNAISSANCE  
SURVEY FOR THE PROPOSED INTERSECTION  
IMPROVEMENT PROJECT AT SR 56 AND SOUTH  
BOATMAN ROAD IN SCOTT COUNTY, INDIANA  
(INDOT DES. NO. 1800210)**

by

Paul D. Bundy, RPA 15111

*Prepared for*

Chad Costa  
Lochmueller Group  
3502 Woodview Trace, Suite 150  
Indianapolis, Indiana 46268  
ccosta@lochgroup.com

*Prepared by*

Cultural Resource Analysts, Inc.  
201 NW 4th Street, Suite 204  
Evansville, Indiana  
Phone: (812) 253-3009  
Fax: (812) 253-3010  
Email: amartin@crai-ky.com  
CRA Project No.: I19L018



Andrew V. Martin, RPA 61710  
Principal Investigator

March 31, 2020

Lead Agency: Indiana Department of Transportation  
INDOT DES No.: 1800210  
Indiana State Museum Accession No.: 71.19.1724

# ABSTRACT

On August 22, 2019, Cultural Resource Analysts, Inc., personnel conducted a Phase Ia archaeological reconnaissance survey for the proposed intersection improvement project at State Route 56 and South Boatman Road in Scott County, Indiana (Indiana Department of Transportation Designation Number 1800210). The survey was conducted at the request of Lochmueller Group. These areas included agricultural fields, commercial properties, and lawns. Survey methods consisted of pedestrian survey supplemented with shovel testing, as well as visual inspection of disturbed areas.

Prior to conducting this survey, an archaeological records review was completed using the Indiana Division of Historic Preservation and Archaeology's State Historic Architectural and Archaeological Research Database. The records review revealed that there were nine documented archaeological studies within 1.6 km (1.0 mi) of the survey area and one documented archaeological site (12S60). None of the documented archaeological studies overlap the current survey area and the single previously documented site is located well beyond the current survey area (over 800.00 m [2,625.00 ft] west of the area). Review of the structures currently listed on the Historic Landmarks Foundation of Indiana indicated that no structures are located within the current survey area; however, two structural resources (143-578-15036 and 143-578-15033) are located within the vicinity of the survey area. Though these structures are close to the survey area, shovel testing within the survey area in the vicinity did not result in cultural materials and these resources will not be directly impacted. Additionally, no cemeteries listed in the Indiana Division of Historic Preservation and Archaeology's State Historic Architectural and Archaeological Research Database are located within 30.48 m (100.00 ft) of the survey area.

As a result of the current field reconnaissance, one newly documented archaeological site (12S93) was recorded. This site extends outside of the survey area and the National Register of Historic Places or Indiana Register of Historic Sites and Structures eligibility in areas beyond the current survey area were not investigated and therefore cannot be assessed. However, the portion of this site that falls within the current survey area that was investigated demonstrated poor archaeological integrity and is recommended not eligible for listing in the National Register of Historic Places or Indiana Register of Historic Sites and Structures, and no further archaeological work is recommended within the survey area at Site 12S93.



**Public Notice**  
**Des. No. 1800210**

The Indiana Department of Transportation (INDOT) is planning to undertake an intersection improvement project, funded in part by the Federal Highway Administration (FHWA). The project is located at the intersection of SR 56 and Boatman Road in Vienna Township, Scott County, Indiana.

Under the preferred alternative, the proposed project will construct a single lane roundabout offset from the existing intersection by approximately 65 feet to the southeast. Electric, water, and telephone lines are likely to require relocation, as well as a high-pressure gas main. Outside the roundabout, the proposed typical section of both SR 56 and Boatman Road will include two 12-foot wide travel lanes (one in each direction) with 2-foot wide paved and 2-foot wide aggregate shoulders. The access between Mount Drive and SR 56 along the east leg will be closed. An earthen berm will be constructed across Mount Drive to prevent continued access to and from SR 56. In addition, a truck turnaround will be constructed on the south side of Mount Drive. It is anticipated that approximately 4.06 acres of permanent right-of-way and approximately 0.2 acre of temporary right-of-way will be required. No relocations will be required as part of this project.

The proposed action does not impact properties listed in or eligible for the National Register of Historic Places. The INDOT, on behalf of the FHWA, has issued a "No Historic Properties Affected" finding for the project due to the fact that no historic properties are present within the Area of Potential Effects (APE).

In accordance with the National Historic Preservation Act, the views of the public are being sought regarding the effect of the proposed project on the historic elements as per 36 CFR 800.2(d), 800.3(e) and 800.6(a)(4). Pursuant to 36 CFR 800.4(d)(1), the documentation specified in 36 CFR 800.11(d) can be viewed electronically by accessing INDOT's Section 106 document posting website IN SCOPE at <http://erms.indot.in.gov/Section106Documents>. Persons with limited internet access may request project information be mailed by contacting Hannah Blad at 574.334.5487, or at [hblad@lochgroup.com](mailto:hblad@lochgroup.com). This documentation serves as the basis for the "No Historic Properties Affected" finding. The views of the public on this effect finding are being sought. Please reply with any comments to Hannah Blad, Lochmueller Group, 112 W. Jefferson Blvd., Suite 500, South Bend, IN 46601, 574.334.5487, [hblad@lochgroup.com](mailto:hblad@lochgroup.com) no later than February 26, 2021.

In accordance with the "Americans with Disabilities Act", if you have a disability for which INDOT needs to provide accessibility to the document(s) such as interpreters or readers, please contact William Fortson at 812-524-3745 or [wfortson@indot.in.gov](mailto:wfortson@indot.in.gov).

THE SCOTT COUNTY HERALD

# Invoice

Amos Publishing, LLC (Remit Payment To:)  
 730 N Gardner Street  
 Scottsburg, IN 47170  
 812-414-2511

Date	Invoice #
1/27/2021	4824

Bill To
Lochmueller Group 112 W. Jefferson Blvd, Suite 500 South Bend, IN 46601

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
	Public Notice on 1-27-2021	104.50	104.50
<i>Received 2/1/21</i>			
Thank you for your business.		<b>Total</b>	\$104.50

# Amos Publishing, LLC

## The Scott County Herald

730 North Gardner Street, Scottsburg, IN, 47170, 1-812-414-2511  
State of Indiana, County of Scott

### Proof of Publication:

#### PUBLIC NOTICE

Public Notice  
Des. No. 1800210

The Indiana Department of Transportation (INDOT) is planning to undertake an intersection improvement project, funded in part by the Federal Highway Administration (FHWA). The project is located at the intersection of SR 56 and Boatman Road in Vienna Township, Scott County, Indiana.

Under the preferred alternative, the proposed project will construct a single lane roundabout offset from the existing intersection by approximately 65 feet to the southeast. Electric, water, and telephone lines are likely to require relocation, as well as a high-pressure gas main. Outside the roundabout, the proposed typical section of both SR 56 and Boatman Road will include two 12-foot wide travel lanes (one in each direction) with 2-foot wide paved and 2-foot wide aggregate shoulders. The access between Mount Drive and SR 56 along the east leg will be closed. An earthen berm will be constructed across Mount Drive to prevent continued access to and from SR 56. In addition, a truck turnaround will be constructed on the south side of Mount Drive. It is anticipated that approximately 4.06 acres of permanent right-of-way and approximately 0.2 acre of temporary right-of-way will be required. No relocations will be required as part of this project.

Personally

signed,

Publisher/Owner

Marcus G. Amos

Marcus G. Amos

Date: 1-26-2021

Published Dates: 1-27-2021

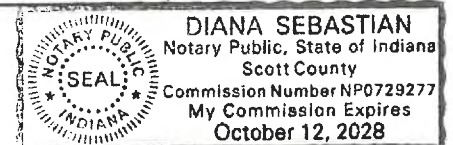
A weekly newspaper of general circulation, distributed in Scott County, Indiana, and published on the 27th day of January 2021 and as subscribed and sworn to this 27 day of January 2021

The proposed action does not impact properties listed in or eligible for the National Register of Historic Places. The INDOT, on behalf of the FHWA, has issued a "No Historic Properties Affected" finding for the project due to the fact that no historic properties are present within the Area of Potential Effects (APE). In accordance with the National Historic Preservation Act, the views of the public are being sought regarding the effect of the proposed project on the historic elements as per 36 CFR 800.2(d), 800.3(e) and 800.6(a)(4). Pursuant to 36 CFR 800.4(d)(1), the documentation specified in 36 CFR 800.11(d) can be viewed electronically by accessing INDOT's Section 106 document posting website IN SCOPE at <http://erms.indot.in.gov/Section106Documents>. Persons with limited internet access may request project information be mailed by contacting Hannah Blad at 574.334.5487.

Notary Public

Diana Sebastian

01/29/2021



in the city limits of Austin and Scottsburg and also on and Jefferson counties in Indiana, which being a daily newspaper for 1 week/s successively, the first day of January 2021

Division of Historic Preservation & Archaeology · 402 W. Washington Street, W274 · Indianapolis, IN 46204-2739  
Phone 317-232-1646 · Fax 317-232-0693 · dhpa@dnr.IN.gov · www.IN.gov/dnr/historic



February 5, 2021

Hannah Blad  
Historian/Section 106 Specialist  
Lochmueller Group  
3502 Woodview Trace, Suite 150  
Indianapolis, Indiana 46268

Federal Agency: Indiana Department of Transportation (“INDOT”),  
on behalf of Federal Highway Administration, Indiana Division (“FHWA”)

Re: Indiana Department of Transportation’s finding of “no historic properties affected” on behalf of  
the Federal Highway Administration for the proposed SR 56 and Boatman Road--Intersection  
Improvement Project (construction of a roundabout) in Vienna Township, Scott County, Indiana  
(Des. No. 1800210; DHPA No. 24521)

Dear Ms. Blad:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the “Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana,” the staff of the Indiana State Historic Preservation Officer (“Indiana SHPO” or “DNR-DHPA”) has reviewed the information dated January 15, 2021 and received the same day.

As previously indicated, for the purposes of the Section 106 review of this particular federal undertaking, we agree with the HPR that there are no aboveground properties within the APE that are eligible for inclusion in the National Register of Historic Places (“NRHP”).

Furthermore, in regard to archaeological resources, based on the submitted information and the documentation available to the staff of the Indiana SHPO, we have not identified any currently known archaeological resources listed in or eligible for inclusion in the NRHP within the proposed project area, and it is our opinion that no further archaeological investigations appear necessary at the proposed project area.

Accordingly, we concur with INDOT’s January 14, 2021 Section 106 finding of “No Historic Properties Affected” on behalf of FHWA for this federal undertaking.

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and -29) requires that the discovery be reported to the DNR-DHPA within two (2) business days. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-1-27 and -29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. Part 800.

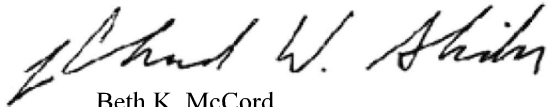
The Indiana SHPO staff’s archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Chad Slider. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

*The DNR mission: Protect, enhance, preserve and wisely use natural, cultural and recreational resources for the benefit of Indiana’s citizens through professional leadership, management and education.*

[www.DNR.IN.gov](http://www.DNR.IN.gov)  
An Equal Opportunity Employer

In all future correspondence about the SR 56 and Boatman Road—Intersection Improvement Project in Vienna Township of Scott County (Des. No. 1800210), please continue to refer to DHPA No. 24521.

Very truly yours,



Beth K. McCord  
Deputy State Historic Preservation Officer

BKM:CWS:cws

emc: Anuradha Kumar, INDOT  
Shaun Miller, INDOT  
Susan Branigin, INDOT  
Shirley Clark, INDOT  
Chad Costa, Lochmueller Group  
Hannah Blad, Lochmueller Group  
Board of Commissioners of Scott County  
Scott County Highway Superintendent  
Wade T. Tharp, DNR-DHPA  
Chad Slider, DNR-DHPA

# MEMO

**To:** Section 106 Consulting Parties

**CC:** Anu Kumar, Susan Branigin, Shaun Miller, Matt Coon and Clint Kelly (INDOT); Shawn Strange (First Group Engineering, Inc.), Will Fortson (INDOT)

**From:** Hannah Blad, Historian/Section 106 Specialist

**Date:** January 31, 2022

**Subject:** Des. No. 1800210  
DHPA No. 24521  
Section 106 Consultation - Note to File  
SR 56 and Boatman Road – Intersection Improvement Project  
Vienna Township, Scott County

A Finding Document of “No Historic Properties Affected” was approved for the above referenced project by the Indiana Department of Transportation Department (INDOT) Cultural Resources Office (CRO), on behalf of the Federal Highway Administration (FHWA), on January 14, 2021, and distributed to consulting parties on January 15, 2021. A Public Notice was published in the *Scott County Herald* on January 27, 2021. No public comments were received regarding the effect of the proposed project on the historic elements within the Area of Potential Effects (APE). Following the approval of the Section 106 Effects Finding, the progression in design resulted in an additional amount of right-of-way necessary to be acquired for the project.

This Note to File has been prepared to inform consulting parties of the change in amount of right-of-way required for the undertaking.

*Project Modifications:*

Since the distribution of the 800.11(d)/Finding Documentation, the amount of permanent right-way has increased from the amount described in the 800.11(d)/Finding Documentation. In the 800.11(d)/Finding Documentation, the permanent right-of-way amount was described as 4.06 acres and the temporary right-of-way amount was described as 0.2 acre. INDOT Seymour District has decided to change the design parameters of the project from a 3R to 4R project, which has required a modification in the amount of right-of-way required for the undertaking. The revised quantities of right-of-way include 4.90 acres of new permanent right-of-way, 1.86 acres of reacquisition right-of-way, and 0.09 acre of temporary right-of-way.

See the attached aerial view map showing the aboveground and archaeological APEs and revised right-of-way, attached to this Note to File memo for reference.

*Historic Properties:*

A historian who meets the Secretary of the Interior’s Professional Qualification Standards has examined the revised plans, and the additional revised right-of-way areas are still within the original APEs for the project. Therefore, no new properties need to be evaluated and the APEs do not require an expansion.

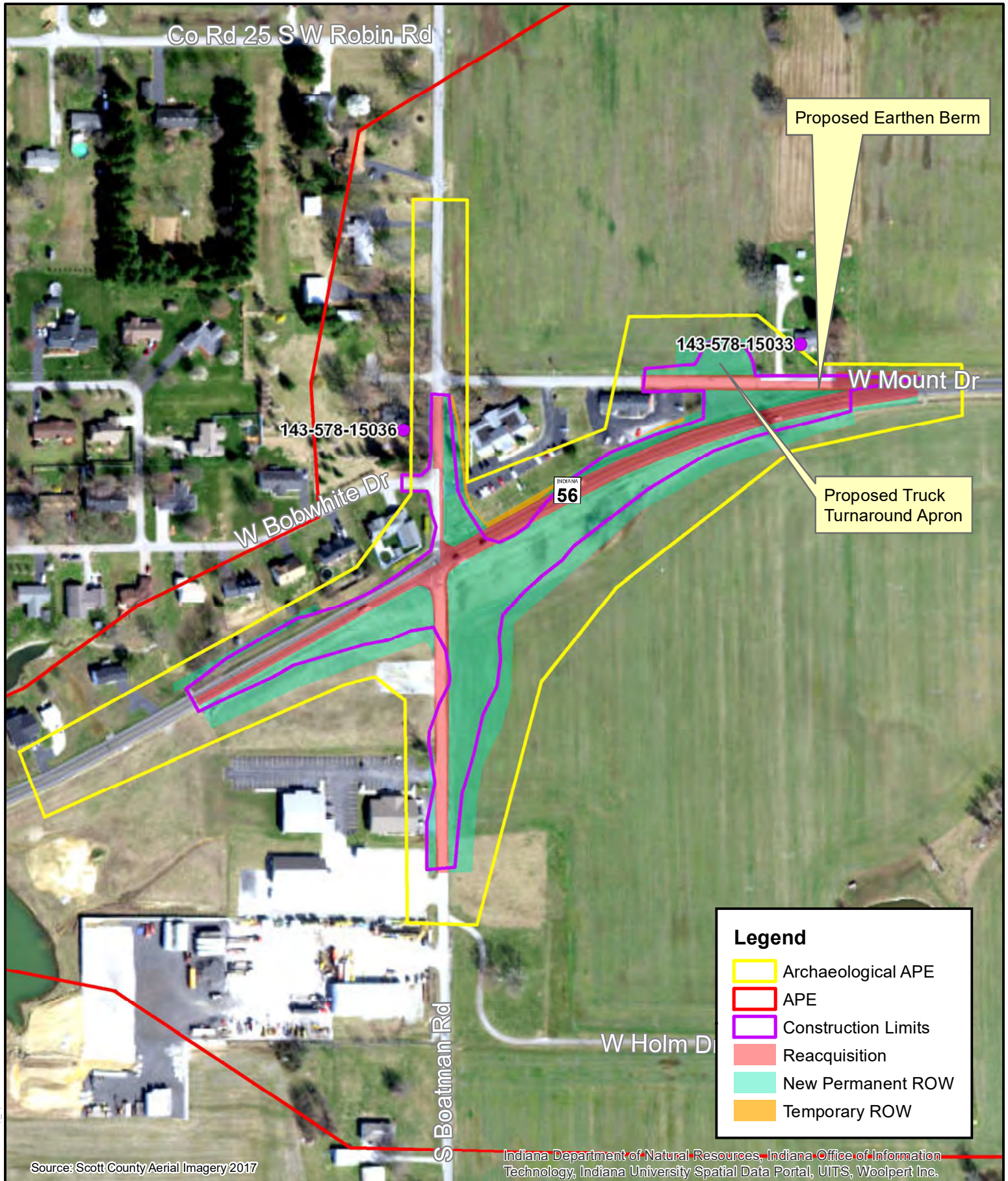
An archaeologist who meets the Secretary of the Interior’s Professional Qualification Standards reviewed the areas where the ROW differed and found the revised right-of-way areas were covered by the initial Phase Ia survey.

The original finding of “No Historic Properties Affected” remains appropriate for this undertaking.

*Attachments:*

Aerial Map - showing aboveground and archaeological APEs and revised right-of-way areas

112 West Jefferson Blvd, Suite 500  
South Bend, Indiana 46601  
PHONE: 574.334.5460



Source: Scott County Aerial Imagery 2017

Indiana Department of Natural Resources, Indiana Office of Information Technology, Indiana University Spatial Data Portal, UIITS, Woolpert Inc.

**LOCHMUELLER GROUP**

3502 Woodview Trace, Suite 150  
 Indianapolis, IN 46268  
 Phone: (317) 222-3880  
 Fax: (317) 222-3881

**Aerial Map (2017)**  
 Des. # 1800210

0 200 400 Feet

North Arrow

County: Scott  
 Township: Vienna  
 State: Indiana

Intersection Improvement Project  
 SR 56 and Boatman Rd, 1.36 mi W of I-65  
 Created: 1/28/2022, SBeaure

**Categorical Exclusion**

**Appendix E**

**Red Flag Investigation  
& Hazardous Materials**





# 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: January 22, 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: Samantha Beaupre  
Lochmueller Group, Inc.  
3502 Woodview Trace, Suite 150  
Indianapolis, IN 46268  
[SBeaupre@lochgroup.com](mailto:SBeaupre@lochgroup.com)

Re: RED FLAG INVESTIGATION  
DES # 1800210, State Project  
Intersection Improvement Project  
State Road (SR) 56 and Boatman Rd, 1.36 miles west of I-65  
Scott County, Indiana

## PROJECT DESCRIPTION

Brief Description of Project: The Indiana Department of Transportation, Seymour District and the Federal Highway Administration are proceeding with an intersection improvement project. The proposed project is located at the intersection of SR 56 and Boatman Road, approximately 1.36 miles west of I-65 in Scottsburg, Scott County, Indiana. The proposed project will construct a single lane roundabout and shift the intersection approximately 65 feet to the southeast of its current location.

Bridge and/or Culvert Project: Yes  No  Structure # \_\_\_\_\_

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

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

Proposed right of way: Temporary  # Acres 1.25 Permanent  # Acres 3.5 , Not Applicable

Type of excavation: Excavation will occur to a maximum depth of 3 feet below ground surface for construction of roadside ditches.

Maintenance of traffic: The MOT is anticipated to utilize phased construction and shifting traffic onto temporary pavement. A detour is not anticipated for SR 56, but might be utilized for Boatman Road.

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

State Project:  LPA:

Any other factors influencing recommendations: N/A

## INFRASTRUCTURE TABLE AND SUMMARY

*www.in.gov/dot/  
An Equal Opportunity Employer*

<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>3*</b>	Recreational Facilities	<b>2</b>
Airports <sup>1</sup>	<b>N/A</b>	Pipelines	<b>2</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 airports within 3.8 miles (20,000 feet) is required.

**Explanation:**

Religious Facilities: Three (3\*) unmapped religious facilities are located within the 0.5 mile search radius. The nearest facility, Elevation Church, is located adjacent to the project area. Coordination with Elevation Church will occur.

Recreational Facilities: Two (2) recreational facilities are located within the 0.5 mile search radius. The nearest recreational facility, Meadowbrook Driving Range, is located approximately 0.15 mile northeast of the project area. No impact is expected.

Pipelines: Two (2) pipelines are located within the 0.5 mile search radius. Two pipelines cross through 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>3</b>	Canal Routes - Historic	<b>N/A</b>
Karst Springs	<b>N/A</b>	NWI - Wetlands	<b>19</b>
Canal Structures – Historic	<b>N/A</b>	Lakes	<b>9</b>
NPS NRI Listed	<b>N/A</b>	Floodplain - DFIRM	<b>1</b>
NWI-Lines	<b>2</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>13</b>	Sinking-Stream Basins	<b>N/A</b>

**Explanation:**

NWI – Points: Three (3) NWI-Points are located within the 0.5 mile search radius. The nearest NWI-Point is located approximately 0.33 mile east of the project area. No impact is expected.

NWI – Lines: Two (2) NWI-Lines are located within the project area. The nearest NWI-Line is located approximately 0.30 mile west of the project area. No impact is expected.

Rivers and Streams: Thirteen (13) rivers and stream segments are located within the 0.5 mile search radius. The nearest segment is located 0.06 mile west of the project area. No impact is expected.

NWI-Wetlands: Nineteen (19) NWI-wetlands are located within the 0.5 mile search radius. The nearest wetland is located approximately 0.02 mile north of the project area. Due to the proximity of the wetland, it is likely that additional water resources, such as unnamed tributaries, regulated drains, wetlands, and roadside ditches are located in the project area. A Waters of the US report will be prepared and coordination with INDOT Ecology and Waterway Permitting will occur.

Lakes: Nine (9) lakes are located within the 0.5 mile search radius. The nearest lake is located approximately 0.04 mile north west of the project area. Due to the proximity of the lake, it is likely that additional water resources, such as unnamed tributaries, regulated drains, wetlands, and roadside ditches are located in the project area. A Waters of the US report will be prepared and coordination with INDOT Ecology and Waterway Permitting will occur.

Floodplain – DFIRM: One (1) floodplain is located within the 0.5 mile search radius. It is located approximately 0.35 mile west of the project area. No impact is expected.

**URBANIZED AREA BOUNDARY SUMMARY**

Explanation:

This project lies within the Scottsburg-Austin 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**

<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	N/A	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation: No mining and mineral exploration resources were found 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	2
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	N/A	Notice of Contamination Sites	N/A

Explanation:

NPDES Facilities: Two (2) NPDES facilities are located within the 0.5 mile search radius.

Thomas Plastic Midway Site (Permit # INR10M297) is mapped 0.08 mile south of the project area at SR 56 & S Boatman Road. However, this facility is actually located at 445 N 3<sup>rd</sup> Street according to Google maps, which is outside of the search radius. No impact is expected.

John Jones Scottsburg (Permit # INR10M297), located at 769 S Mansfield Drive, is approximately 0.49 mile east of the project area. The permit is an industrial storm water permit. No impact is expected.

**ECOLOGICAL INFORMATION SUMMARY**

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

**RECOMMENDATIONS SECTION**

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

**INFRASTRUCTURE:**

Religious Facilities: One religious facility is located adjacent to the project area. Coordination with Elevation Church will occur.

Pipelines: Two (2) pipelines are located within the project area. Coordination with INDOT Utilities and Railroads should 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 NWI wetland is located adjacent to the project area.

One lake is located adjacent to the project area.

URBANIZED AREA BOUNDARY: N/A

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."

INDOT Environmental Services concurrence: Nicole Fohey Breting Digitally signed by Nicole Fohey-Breting Date: 2020.03.02 20:55:54 -05'00' (Signature)

Prepared by:



Samantha Beaupre  
Environmental Specialist  
Lochmueller Group, Inc.

**Graphics:**

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

SITE LOCATION: YES

INFRASTRUCTURE: YES

WATER RESOURCES: YES

URBANIZED AREA BOUNDARY: YES

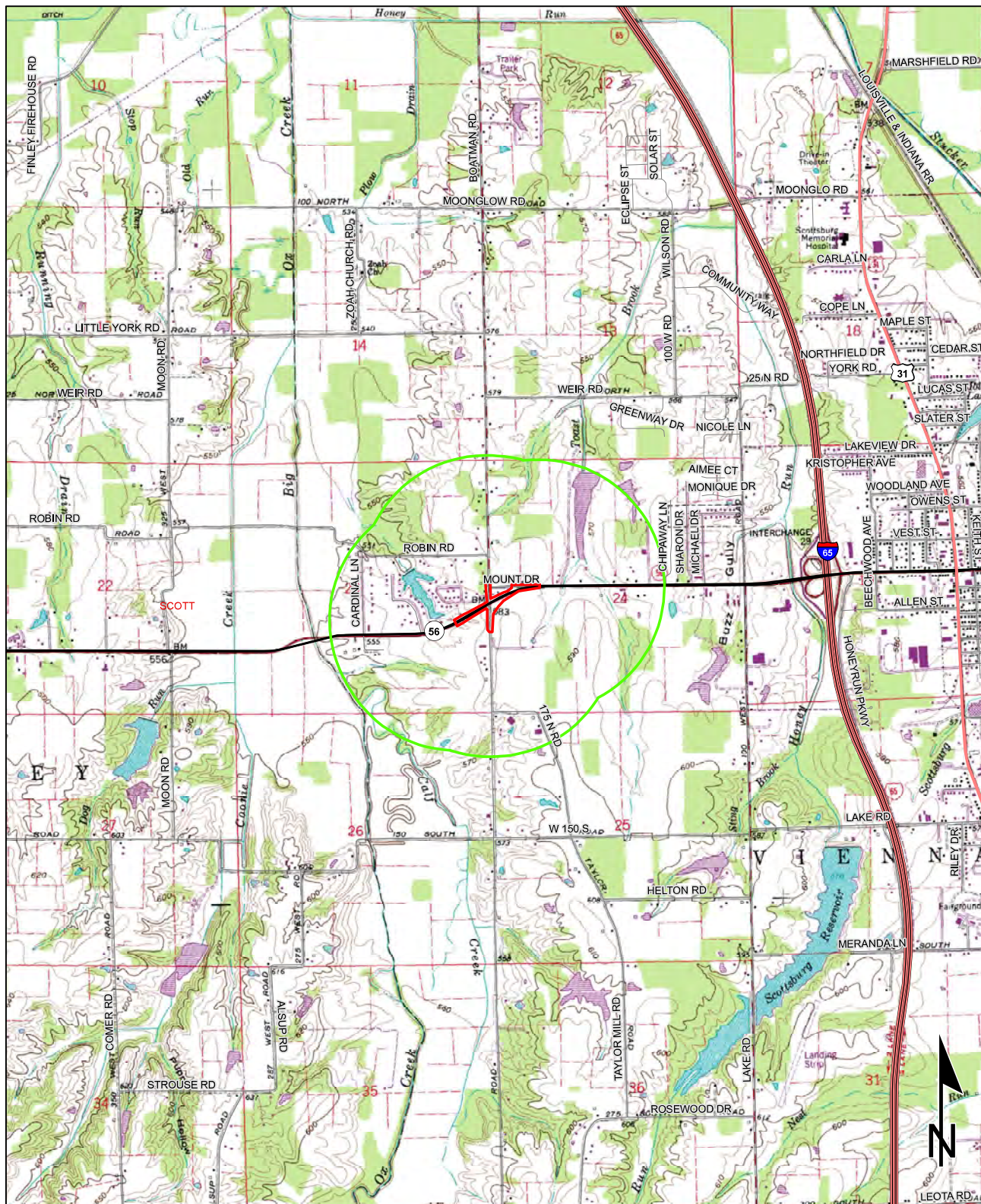
MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: YES

**Supplemental Graphics:**

Scott County ETR List

**Red Flag Investigation - Site Location**  
**SR 56 and Boatman Rd, 1.36 miles west of I-65**  
**Des. No. 1800210, Intersection Improvement Project**  
**Scott County, Indiana**



Sources: 0.5 0.25 0 0.5 Miles  
**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.

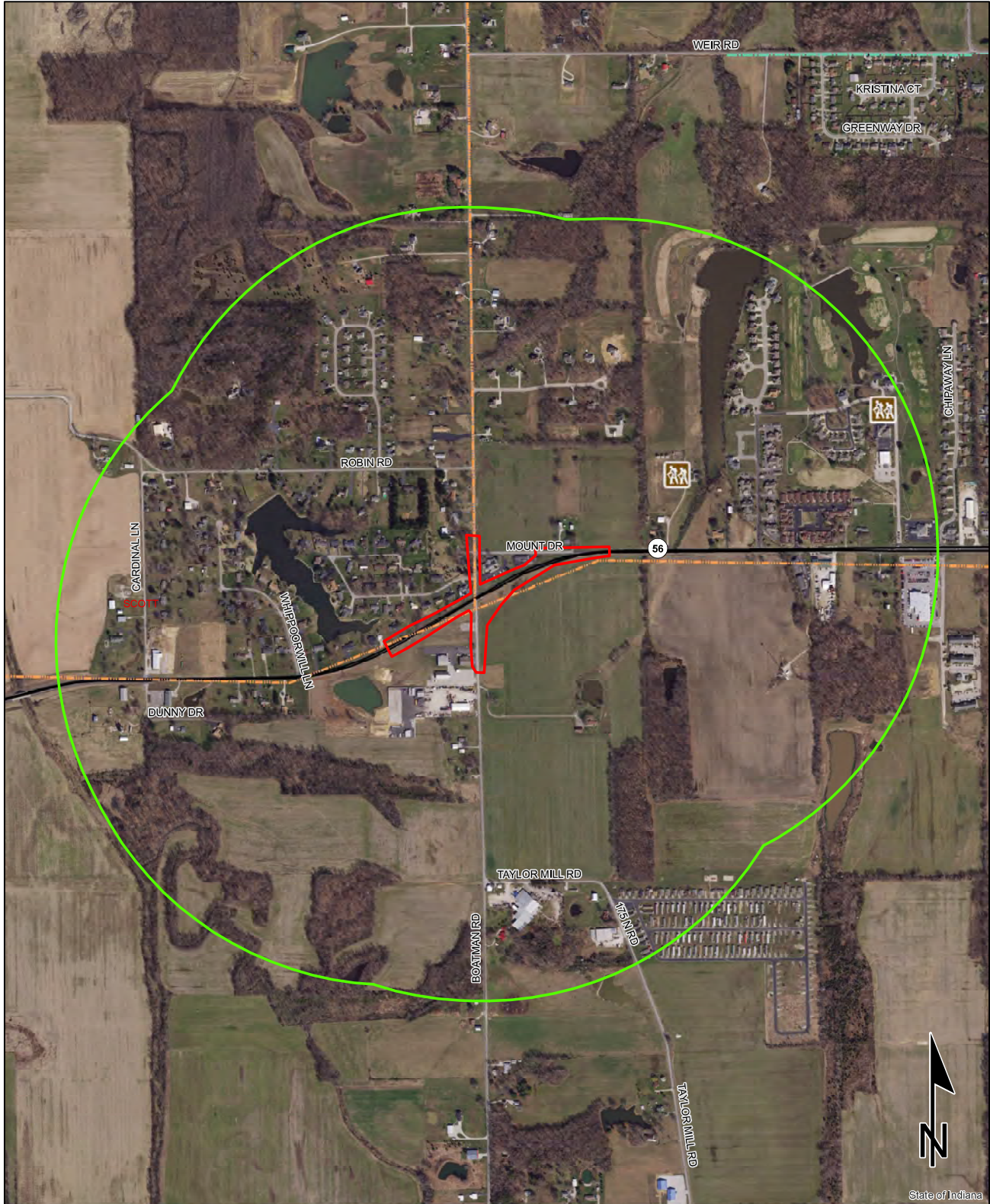
**SCOTTSBURG QUADRANGLE**  
**INDIANA**  
**7.5 MINUTE SERIES**  
**(TOPOGRAPHIC)**

# Red Flag Investigation - Infrastructure

## SR 56 and Boatman Rd, 1.36 miles west of I-65

### Des. No. 1800210, Intersection Improvement Project

#### Scott County, Indiana



State of Indiana

Sources: 0.15 0.075 0 0.15 Miles  
**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.

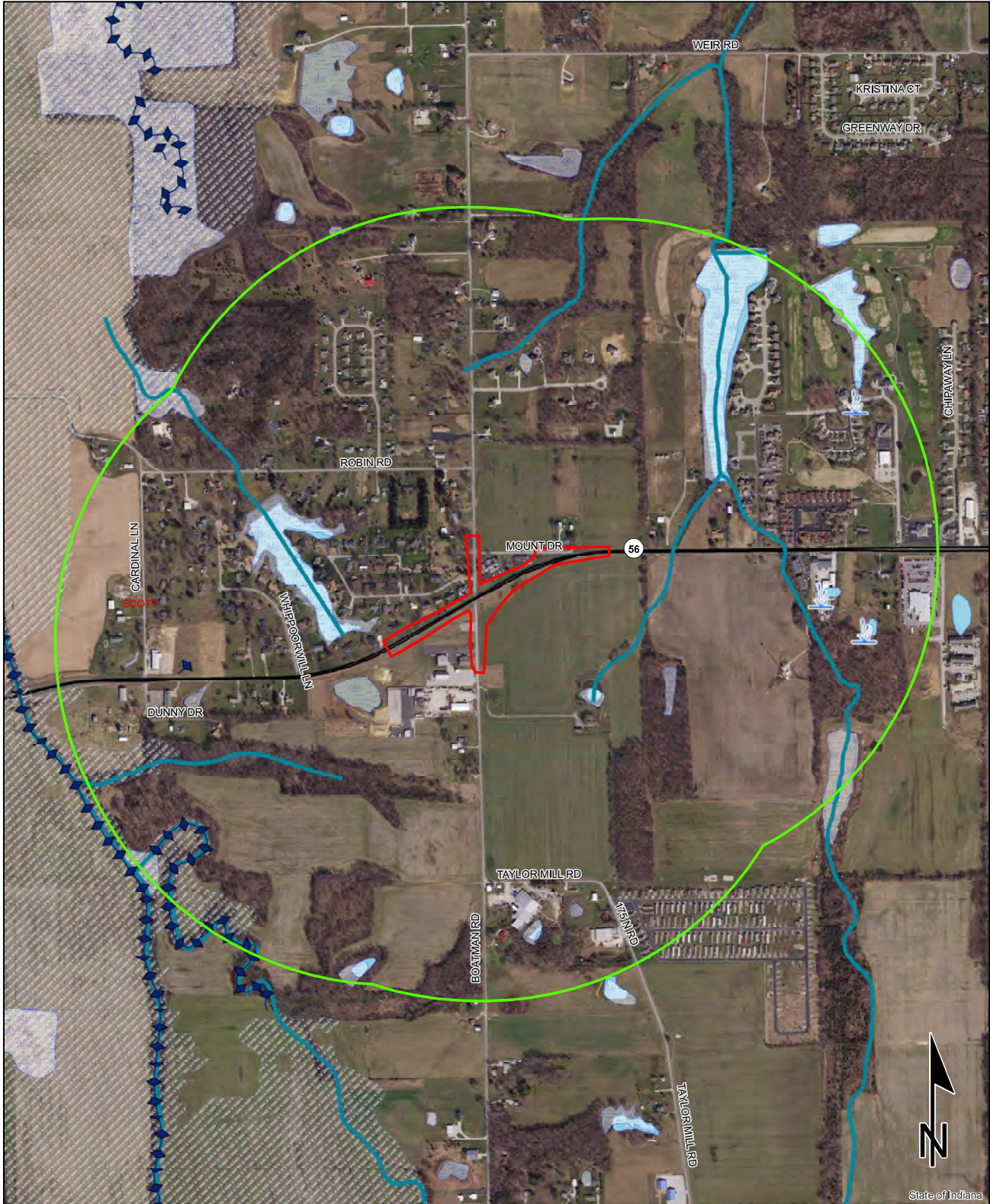
	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

# Red Flag Investigation - Water Resources

## SR 56 and Boatman Rd, 1.36 miles west of I-65

### Des. No. 1800210, Intersection Improvement Project

#### Scott County, Indiana



State of Indiana

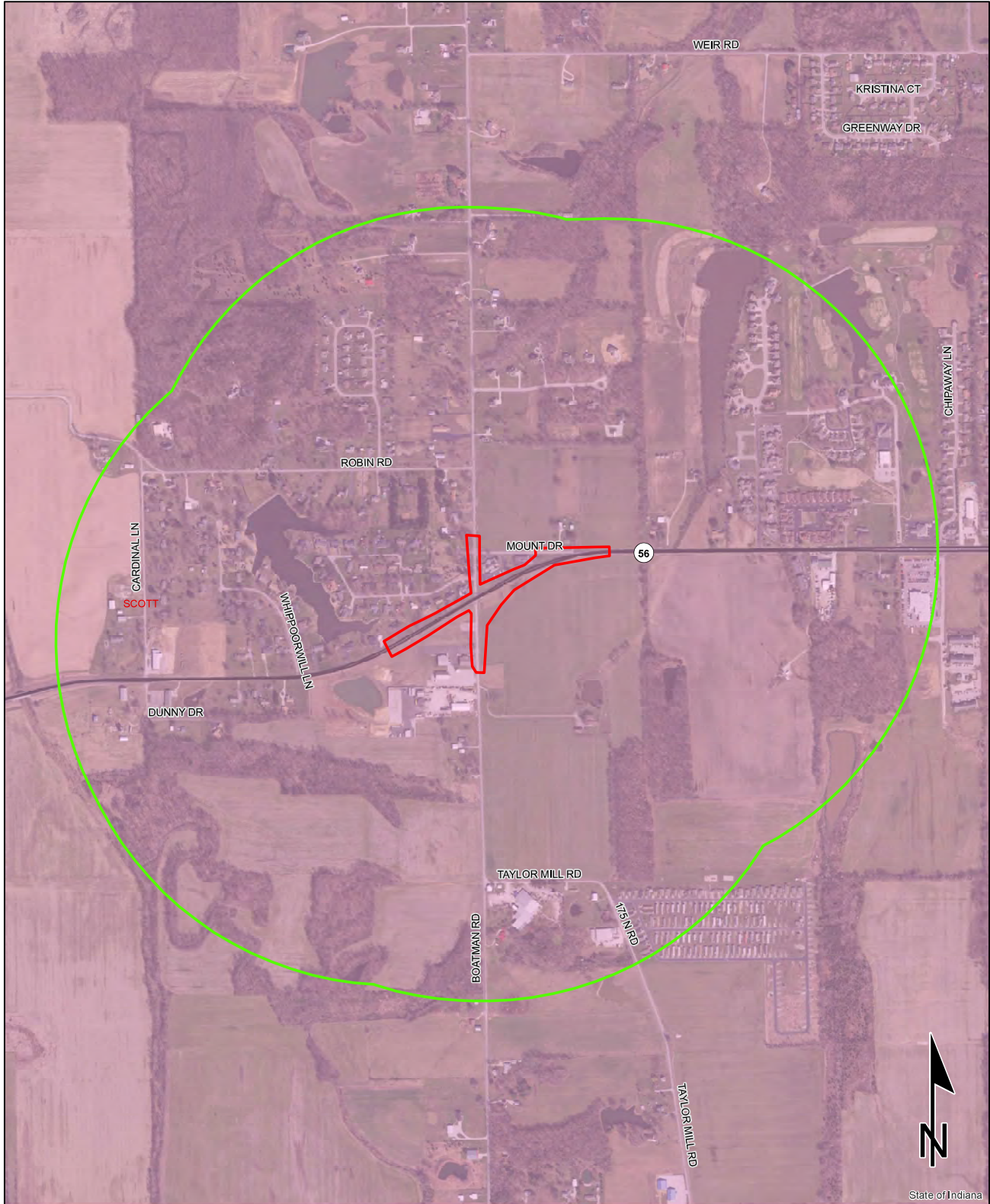
Sources: 0.15 0.075 0 0.15 Miles

**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.**

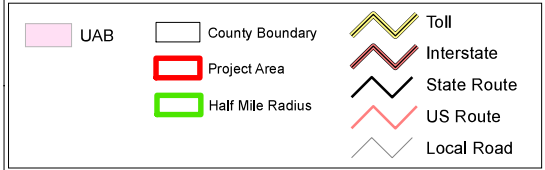



**Red Flag Investigation - Urbanized Area Boundary**  
**SR 56 and Boatman Rd, 1.36 miles west of I-65**  
**Des. No. 1800210, Intersection Improvement Project**  
**Scott County, Indiana**



State of Indiana

Sources: 0.15 0.075 0 0.15 Miles  
**Non Orthophotography** - 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.**



# Red Flag Investigation - Hazmat Concerns

## SR 56 and Boatman Rd, 1.36 miles west of I-65

### Des. No. 1800210, Intersection Improvement Project

#### Scott County, Indiana



	Brownfield		RCRA Generator/TSD		Institutional Controls
	RCRA Corrective Action Sites		Restricted Waste Site		County Boundary
	Confined Feeding Operation		Septage Waste Site		Project Area
	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				

0.15 0.075 0 0.15  
Miles

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

#### Sources:

#### Non Orthophotography

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

Orthophotography - Obtained from Indiana Map Framework Data ([www.indianamap.org](http://www.indianamap.org))

Map Projection: UTM Zone 16 N Map Datum: NAD83

Indiana County Endangered, Threatened and Rare Species List

County: Scott

Species Name	Common Name	FED	STATE	GRANK	SRANK
<b>Platyhelminthes (Flatworms)</b>					
Sphalloplana weingartneri	Weingartner's Cave Flatworm		WL	G4	S3
<b>Mollusk: Bivalvia (Mussels)</b>					
Villosa lienosa	Little Spectaclecase		SSC	G5	S3
<b>Insect: Lepidoptera (Butterflies &amp; Moths)</b>					
Pieris virginiensis	West Virginia White		SR	G3?	S3
<b>Amphibian</b>					
Ambystoma barbouri	Streamside Salamander	C	SSC	G4	S3
<b>Reptile</b>					
Clonophis kirtlandii	Kirtland's Snake		SE	G2	S2
Nerodia erythrogaster neglecta	Copperbelly Water Snake	PS:LT	SE	G5T3	S2
Opheodrys aestivus	Rough Green Snake		SSC	G5	S3
<b>Bird</b>					
Aimophila aestivalis	Bachman's Sparrow			G3	SXB
Ammodramus henslowii	Henslow's Sparrow		SE	G4	S3B
Haliaeetus leucocephalus	Bald Eagle		SSC	G5	S2
Helmitheros vermivorus	Worm-eating Warbler		SSC	G5	S3B
Tyto alba	Barn Owl		SE	G5	S2
<b>Mammal</b>					
Myotis sodalis	Indiana Bat	LE	SE	G2	S1
<b>Vascular Plant</b>					
Calamagrostis porteri ssp. insperata	Reed Bent Grass		SE	G4T3	S1
Carex straminea	Straw Sedge		ST	G5	S2
Dentaria multifida	Divided Toothwort		SE	G4?	S1
Hottonia inflata	Featherfoil		ST	G4	S2
Najas gracillima	Thread-like Naiad		SR	G5?	S3
Penstemon deamii	Deam Beardtongue		ST	G1	S2
Platanthera flava var. flava	Southern Rein Orchid		SE	G4?T4?Q	S1
Platanthera lacera	Green-fringe Orchis		WL	G5	S3
Schoenoplectiella purshiana	Weakstalk Bulrush		SR	G4G5	S3
Solidago squarrosa	Stout-ragged Goldenrod		SE	G4G5	S1
Spiranthes vernalis	Grassleaf Ladies'-tresses		WL	G5	S3
Stachys clingmanii	Clingman Hedge-nettle		WL	G2	S3
Trifolium reflexum var. glabrum	Buffalo Clover		SE	G5T2T4Q	S1
<b>High Quality Natural Community</b>					
Forest - upland dry Highland Rim	Highland Rim Dry Upland Forest		SG	GNR	S3
Forest - upland dry-mesic Highland Rim	Highland Rim Dry-mesic Upland Forest		SG	GNR	S3
Forest - upland mesic Highland Rim	Highland Rim Mesic Upland Forest		SG	GNR	S3

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

Fed: LE = Endangered; LT = Threatened; C = candidate; PDL = proposed for delisting  
State: SE = state endangered; ST = state threatened; SR = state rare; SSC = state species of special concern; SX = state extirpated; SG = state significant; WL = watch list  
GRANK: Global Heritage Rank: G1 = critically imperiled globally; G2 = imperiled globally; G3 = rare or uncommon globally; G4 = widespread and abundant globally but with long term concerns; G5 = widespread and abundant globally; G? = unranked; GX = extinct; Q = uncertain rank; T = taxonomic subunit rank  
SRANK: State Heritage Rank: S1 = critically imperiled in state; S2 = imperiled in state; S3 = rare or uncommon in state; G4 = widespread and abundant in state but with long term concern; SG = state significant; SH = historical in state; SX = state extirpated; B = breeding status; S? = unranked; SNR = unranked; SNA = nonbreeding status unranked

**Categorical Exclusion**  
**Appendix F**  
**Water Resources**

Waters Report  
SR 56 at Boatman Road  
Intersection Improvement Project  
1.36 miles W of I-65  
Scott County, Indiana  
Des. No. 1800210



**Prepared By:**



Brenten Reust, PWS  
3502 Woodview Trace #150  
Indianapolis, IN 46268  
[breust@lochgroup.com](mailto:breust@lochgroup.com)  
Ph: 317-222-3880 / Fax: 317-222-3881

**Prepared For:**

Indiana Department of Transportation  
Seymour District  
185 Agrico Lane  
Seymour, Indiana 47274

February 26, 2020

**Waters of the U.S. Determination  
SR 56 at Boatman Road  
Intersection Improvement Project  
Scott County, Indiana  
Des. No. 1800210**

**Date(s) of Field Reconnaissance**

October 30, 2019

**Location**

The project is located along SR 56 at the Boatman Road intersection, approximately 1.36 miles west of I-65 in Scottsburg, Indiana. (Pages A1 through A3).

- Sections 23 and 24, Township 3 North, Range 6 East
- Scottsburg 1:24,000 United States Geological Survey (USGS) Quadrangle
- Vienna Township, Scott County, Indiana
- Latitude: 38.68408 °N Longitude: -85.812842°W

**Project Description**

The project (Des. No. 1800210) involves the rehabilitation of SR 56 at Boatman Road intersection by constructing a roundabout with added turn lanes.

One wetland (Wetland A), one stream (UNT to Big Ox Creek), and one roadside ditch (RSD 1) were identified within the survey area. The survey area is located west of the town of Scottsburg, IN with surrounding landscape consisting of residential neighborhoods, maintained grass, and agriculture row crop. The survey area is not located within a floodplain.

**Soils**

According to the Soil Survey Geographic (SSURGO) Database for Scott County, Indiana, the survey area contains soil areas with national hydric soils (Pages A4 through A6).

Soil Name	Map Abbreviation	Hydric Range
Bartle silt loam	BbhB	Hydric (1-32%)
Dubois silt loam	DfnB2, DfnA	Not Hydric (1-32%)
Haubstadt silt loam	HccA, HccB2	Not Hydric (0%)
Pekin silt loam	PcrC2, PcrB2	Not Hydric (0%)
Peoga silt loam	PhaA	Hydric (66-99%)

**National Wetlands Inventory Information**

There are no National Wetland Inventory (NWI) wetlands identified within the survey area (Page A7). The U.S. Fish and Wildlife NWI Mapper (<https://www.fws.gov/wetlands/Data/Mapper.html>) includes the following wetlands near the SR 56 at Boatman Road intersection improvement survey area. Wetland type is based on *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979).



Wetland Type	Description	Location
PUBGh	Palustrine, unconsolidated bottom, intermittently exposed, diked/im-pounded	0.03 mile northwest
PUBGh	Palustrine, unconsolidated bottom, intermittently exposed, diked/im-pounded	0.05 mile southwest
R4SBC	Riverine, intermittent, streambed, seasonally flooded	0.10 mile east

**12-Digit HUC**

The SR 56 at Boatman Road intersection improvement project survey area is within the 051202070801 (Big Ox Creek) and 051202070803 (Henry Creek-Cammie Thomas Ditch) 12-Digit HUCs. The USGS Stream-Stats (<https://water.usgs.gov/osw/streamtstats/>) generated a watershed area of 0.05 square mile within the survey area (Page A10). The Federal Emergency Management (FEMA) Flood Insurance Rate Map (FIRM) (<https://msc.fema.gov/portal/home>) data indicate that the survey area is not within a mapped floodplain (Pages A8 and A9). The survey area is not within an area with a 1% annual chance of flooding.

**Attached Documents**

- Project Location Map
- USGS Topographic Map (1:24,000)
- USGS Topographic Map (1:12,000)
- Scott County SSURGO Hydric Soils Map
- USFWS NWI Map
- Floodplain Map
- USGS StreamStats Watershed Map
- Water Resources Map
- Photo Location Map and Project Photos
- Wetland Determination Data Forms
- USACE Preliminary Jurisdictional Determination Form

**Field Reconnaissance**

The Waters of the U.S. (WOTUS) investigation survey area limits were established based on the scope of work expected for the SR 56 at Boatman Road intersection improvement project. Wetland determinations were conducted in accordance with the *Corps of Engineers Wetland Delineation Manual* (U.S. Army Corps of Engineers 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region Version 2.0* (U.S. Army Corps of Engineers 2010). Wetland Data sheets from the U.S. Army Corps of Engineers Detroit District website (<https://www.lre.usace.army.mil/Missions/Regulatory-Program-and-Permits/Automated-Wetland-Determination-Data-Form/>) were used to make wetland determinations. Due to discrepancies within the data sheets for soil indicator (S7) and red parent material (F21) between the Midwest Region Version 2.0 manual and the Detroit District, all methods remained consistent with the Midwest Region Version 2.0 manual. One wetland, one stream, and one roadside ditch were identified during the field reconnaissance.

**Stream Feature(s)**

The USGS Scottsburg 1:24,000 topographic quadrangle did not identify blue-line stream features within the survey area for the SR 56 at Boatman Road intersection improvement project (Pages A2 and A3). The National Hydrography Dataset (NHD) GIS dataset did not include flow line features within the survey area (Page A11).



UNT to Big Ox Creek

UNT to Big Ox Creek is an ephemeral stream that flows from south to northwest within the northwest quadrant of the survey area north of SR 56 (Page A11). Approximately 64 feet of the stream is within the survey area. The ordinary high water mark (OHWM) of UNT to Big Ox Creek is 1.9 feet wide and 0.3 feet deep. The drainage area is estimated to be 0.05 square mile. This reach of UNT to Big Ox Creek is dominated by silt (80%) with sand (20%). This reach of UNT to Big Ox Creek is predominantly riffle (80%) with run (20%). UNT to Big Ox Creek is a natural channel formed from roadside drainage. The riparian area consists of mowed grass. Wetland A is adjacent and also contributing to the flow of UNT to Big Ox Creek. This stream reach is considered to exhibit poor quality based on riparian cover and available habitat.

UNT to Big Ox Creek is considered to be a non-relatively permanent water (non-RPW) with a connection to Hosea Lake, Big Ox Creek, and ultimately the Muscatatuck River a traditional navigable water (TNW). UNT to Big Ox Creek provides a significant nexus to a (TNW) and is therefore subject to USACE jurisdiction under section 404 of the Clean Water Act. This stream is not subject to USACE jurisdiction under Section 10 of the River and Harbors Act.

**Stream Summary Table**

Water Feature Name	Photos	Lat/Long	OHW Width (ft)	OHW Depth (ft)	USGS Blue-line? Type?	Riffles? Pools?	Quality	Substrate	Likely Waters of U.S.?
UNT to Big Ox Creek	9-11	38.683457°N -85.814977°W	1.9	0.3	No	Yes No	Poor	silt sand	Yes

**Wetlands**

The October 30, 2019 field investigation identified one wetland feature within the SR 56 at Boatman Road intersection improvement project survey area.

Wetland A

This 0.006-acre forested wetland is situated along the north side of SR 56 and west of Boatman Road. It is located along the roadside conveying drainage to UNT to Big Ox Creek (Page A11). UNT to Big Ox Creek is connected to Hosea Lake and Big Ox Creek which connects to the Muscatatuck River. Therefore, Wetland A is subject to Clean Water Act jurisdiction due to a direct hydrologic connection with the Muscatatuck River, a (TNW). The Muscatatuck River is navigable from its junction with the East Fork of the White River for 24.25 river miles to the main forks. As defined by Cowardin *et al.* (1979), this wetland would be classified as palustrine, forested, broad-leaved deciduous, seasonally flooded/saturated (PFO1E). Wetland A has formed within a wooded area due to a local watershed and roadside drainage. Based on a qualitative assessment of Wetland A, this wetland is of average quality due to its size and forested vegetation.

Data point AW1

This data point represents wetland conditions within Wetland A, an area southwest of intersection SR 56 at Boatman Road. There was no woody vine stratum identified within the plot area. The dominant species within the tree stratum consisted of green ash (*Fraxinus pennsylvanica*, FACW). The dominant species within the sapling/shrub stratum consisted of green ash (*Fraxinus pennsylvanica*, FACW). The dominant species within the herb stratum consisted of rice cut grass (*Leersia oryzoides*, OBL), lamp rush (*Juncus effuses*, OBL), and fowl manna grass (*Glyceria striata*, OBL). The plant community passes the rapid test for hydrophytic vegetation; therefore, hydrophytic vegetation is present and no further vegetation analysis





is required. There were no primary indicators of hydrology observed. Secondary indicators of hydrology included drainage patterns (B10), crayfish burrows (C8), and FAC-neutral test (D5). Therefore, wetland hydrology is present. The USDA NRCS Web Soil Survey indicates that this data point is within the Pekin silt loam unit. The Pekin series is not considered to be a hydric soil. The soil profile from a pit excavated to a depth of 16 inches consisted of a 10YR 3/1 (100%) loamy/clayey layer to a depth of 4 inches and a 10YR 5/1 (85%) loamy/clayey layer with 10YR 5/6 (15%) redox features from 4 to 16 inches. The soil profile examined at this location meets the depleted below dark surface (A11) and depleted matrix (F3) indicator; therefore, hydric soil is present. This data point meets the requirements for hydrophytic vegetation, hydrology, and hydric soils; therefore, this data point is within a wetland.

**Data Point AU1**

This data point represents non-wetland conditions for Wetland A within an area southwest of intersection SR 56 at Boatman Road. There was no woody vine stratum identified within the plot area. The dominant species within the tree stratum consisted of white mulberry (*Morus alba*, FAC). The dominant species within the sapling/shrub stratum consisted of pin oak (*Quercus palustris*, FACW), black walnut (*Juglans nigra*, FACU), black cherry (*Prunus serotina*, FACU), and sweet-gum (*Liquidambar styraciflua*, FACW). The dominant species within the herb stratum consisted of red fescue (*Festuca rubra*, FACU) and Kentucky blue grass (*Poa pratensis*, FAC). Hydrophytic vegetation is present since 57 percent of the dominant species are FAC or wetter. No primary or secondary indicators of wetland hydrology were observed; therefore, wetland hydrology is not present. The USDA NRCS Web Soil Survey indicates that this data point is within the Pekin silt loam unit. The Pekin series is not considered to be a hydric soil. The soil profile from a pit excavated to a depth of 12 inches consisted of a 10YR 4/1 (100%) loamy/clayey layer to a depth of 5 inches and a 10YR 5/3 (85%) loamy clayey layer with 10YR 5/6 (15%) redox features from 5 to 12 inches. The soil profile examined at this location does not meet any hydric soil indicator; therefore, hydric soil is not present. Only one of the three required wetland criteria were present; therefore, this data point is not within a wetland.

**Data Point Summary Table  
SR 56 at Boatman Road in Scott County, Indiana**

Data Point	Vegetation	Soils	Hydrology	Wetland
AW1	Yes	Yes	Yes	Yes
AU1	Yes	No	No	No

**Wetland Summary Table  
SR 56 at Boatman Road in Scott County, Indiana**

Wetland Name	Photos	Lat/Long	Type	Total Area (acres)	Quality	Likely Waters of U.S.?
Wetland A	11,13-14	38.683514°N -85.814904°W	PFO1E	0.006	Average	Yes

**Open Water**

There are no open water features identified within the survey area.



**Roadside Ditch**Roadside Ditch 1

Roadside Ditch 1 (RSD 1) is a riprap lined channel conveying agriculture drainage below Boatman Road. RSD 1 does not exhibit bed, bank, or OHWM (Page A11). Approximately 32 feet of this feature is within the survey area. This feature is not considered a jurisdictional feature.

**Conclusions**

The October 30, 2019 field review for the SR 56 at Boatman Road intersection improvement project identified one wetland feature (Wetland A), one stream feature (UNT to Big Ox Creek), and one roadside ditch feature (RSD 1) within the survey area. Wetland A conveys drainage to Big Ox Creek which connects to the Muscatatuck River, a TNW. Wetland A would be classified as palustrine, forested, broad-leaved deciduous, seasonally flooded/saturated (PFO1E). UNT to Big Ox Creek connects with Hosea Lake which connects to Big Ox Creek and ultimately the Muscatatuck River, a TNW. The *U.S. Army Corps of Engineers Jurisdictional Determination Form Instructional Guidebook* (U.S. Army Corps of Engineers 2007) states "TNWs; all wetlands adjacent to TNWs; non-navigable tributaries of TNWs that are relatively permanent and wetlands that directly abut such tributaries" are subject to Clean Water Act (CWA) jurisdiction only if a significant nexus is demonstrated. The agency will also assert jurisdiction over every water body that is not an RPW if that water body is determined to have a significant nexus with a TNW. Therefore, Wetland A and UNT to Big Ox Creek have a significant nexus with a TNW and are considered jurisdictional features. RSD 1 would not be considered a jurisdictional feature.

Wetland A and UNT to Big Ox Creek are likely Waters of the U.S. Every effort should be taken to avoid and minimize impacts to stream and wetland features. If impacts are necessary, then mitigation may be required. The INDOT Environmental Services Division should be contacted immediately if impacts will occur. The final determination of jurisdictional waters is ultimately made by the U.S. Army Corps of Engineers. This report is our best judgment based on the guidelines set forth by the Corps.

**Acknowledgement**

This waters determination has been prepared based on the best available information, interpreted in the light of the investigator's training, experience, and professional judgement in conformance with the 1987 *Corps of Engineers Wetlands Delineation Manual*, the appropriate regional supplement, the USACE *Jurisdictional Determination Form Instructional Guidebook*, and other appropriate agency guidelines.

Brenten Reust, PWS



Environmental Biologist  
Lochmueller Group, Inc.

**Preparers**

Lochmueller Group, Inc. Staff	Position	Contributing Effort
Brenten Reust, PWS	Environmental Biologist	Field Data Collection Report Preparation
Chris Kunkel	Environmental Specialist	Field Data Collection

