



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Seymour District
185 Agrico Lane
Seymour, IN 47274

PHONE: (812) 524-3700
FAX: (812) 522-7658

Mitchell E. Daniels, Jr., Governor
Michael B. Cline, Commissioner

April 11, 2011

Re: Des. #0710648, Small Structure on US 52 over Goose Creek, Franklin County

Reviewer,

The Indiana Department of Transportation intends to proceed with a project involving the aforementioned small structure replacement in Franklin County. This letter is part of the early coordination phase of the environmental review process. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. **Please use the above designation numbers and description in your reply.** We will incorporate your comments into a study of the project's environmental impacts.

This project will replace the small structure on US 52 over Goose Creek, 4.17 miles east of SR 229, within Metamora Township of Franklin County, Indiana. The project is approximately 0.19 miles in length. Vertical alignment changes are planned for Goose Creek Road. Goose Creek Road will be realigned approximately 20 feet to the east of where it currently intersects with US 52.

The land use in the immediate vicinity of the project area comprises of residential land north and agricultural land south of the structure. The Whitewater Canal is present on the south side of the structure.

The existing structure is a concrete slab top culvert that has been widened with precast concrete beams, with a rise of 7 feet, a span of 15 feet, and a length of 28 feet. There is deterioration of the concrete slab next to the precast beam, causing a 1 foot gap between the slab and the beams warranting replacement. The existing US 52 approach cross section consists of two 12 foot travel lanes with 1 foot paved (2 feet usable) shoulders. Guardrail is present at the structure and wraps around the northwest corner of the Goose Creek Road/US 52 intersection. The canal is approximately 30-50 feet from the edge of pavement on the south side US 52 within the project limits.

The proposed replacement structure is to be of a precast concrete box structure with a rise of 6 feet, span of 16 feet, and a length of 60 feet. This structure size will allow for 12 foot lanes and the addition of 4 foot paved shoulder at the structure and where guardrail is installed. Approximately 765 feet of guardrail is required for this project of which approximately 250 feet will be installed where current guardrail currently exist. Approximately 515 feet of new guardrail will be installed where no guardrail currently exist. The proposed roadway is recommended to be 12 foot lanes with 2 foot paved (3 feet usable) shoulders where no guardrail is present.

Total new right-of-way in the amount of 2.233 acres is required for this project and consists of 2.167 acres permanent and 0.066 acres temporary right-of-way. New right-of-way will consist of residential and forested land.

Impacts to the channel are expected to include removal of existing structure, installation of new structure, and placement of riprap. The INDOT Environmental Section will perform waters and wetlands determinations.

Should we not receive your response **within thirty (30) calendar days** from the date of this letter, it will be assumed that your agency feels that there will be no adverse effects incurred as a result of the proposed project. However, should you find that an extension to the response time is necessary; a reasonable amount may be granted upon request. If you have any questions regarding this matter, please feel free to contact Brad Williamson, of the INDOT Seymour District Environmental Section, at (812)-524-3971 or bwilliamson@indot.in.gov

Thank you in advance for your input.

Sincerely,

Brad
Williamson



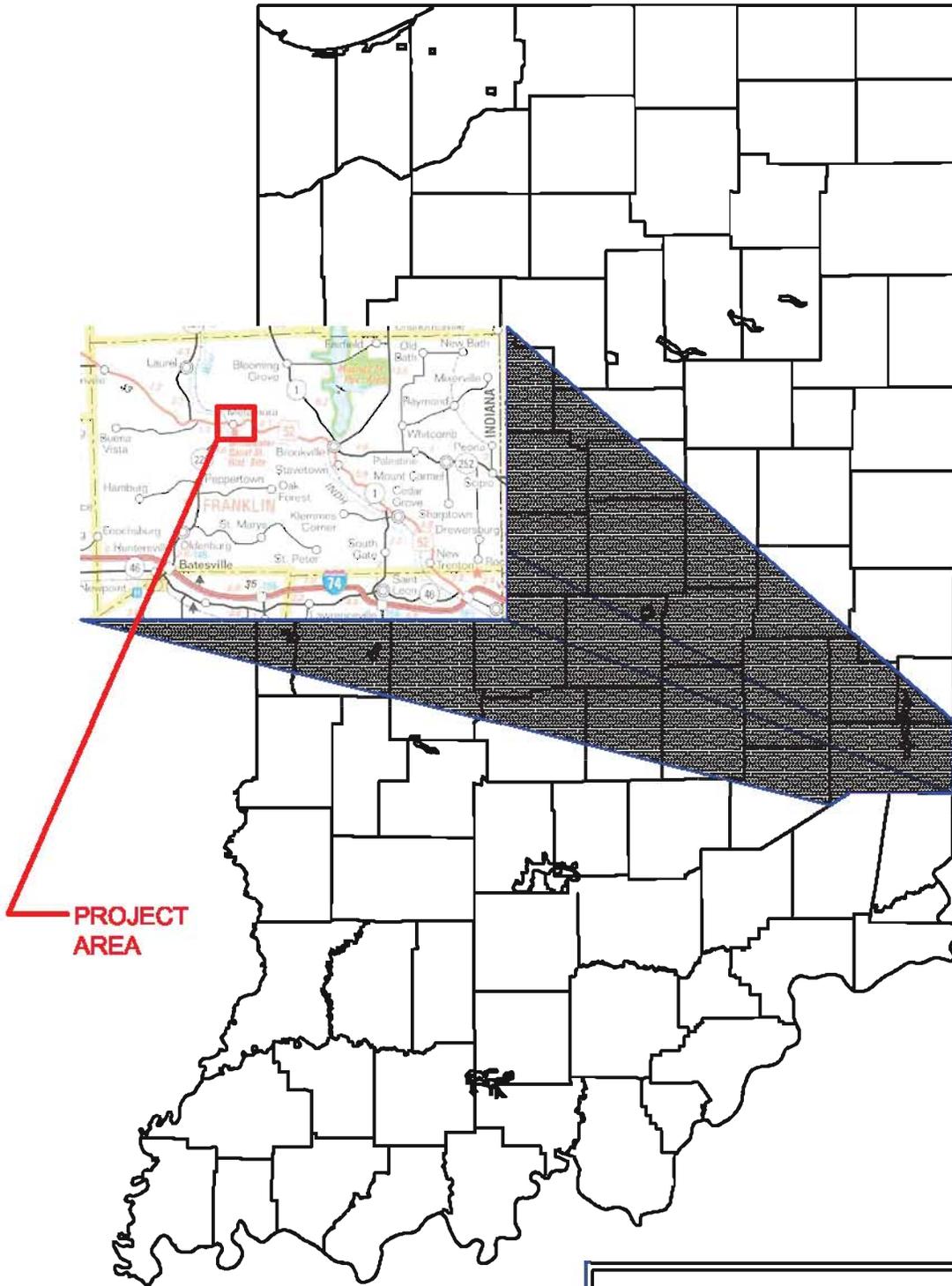
Digitally signed by Brad Williamson
DN: cn=Brad Williamson, o.ou,
email=bwilliamson@indot.in.gov,
c=US
Date: 2011.04.12 09:34:51 -0400

Brad Williamson
Environmental Manager
INDOT Seymour District

BLW/XXX
Attachment

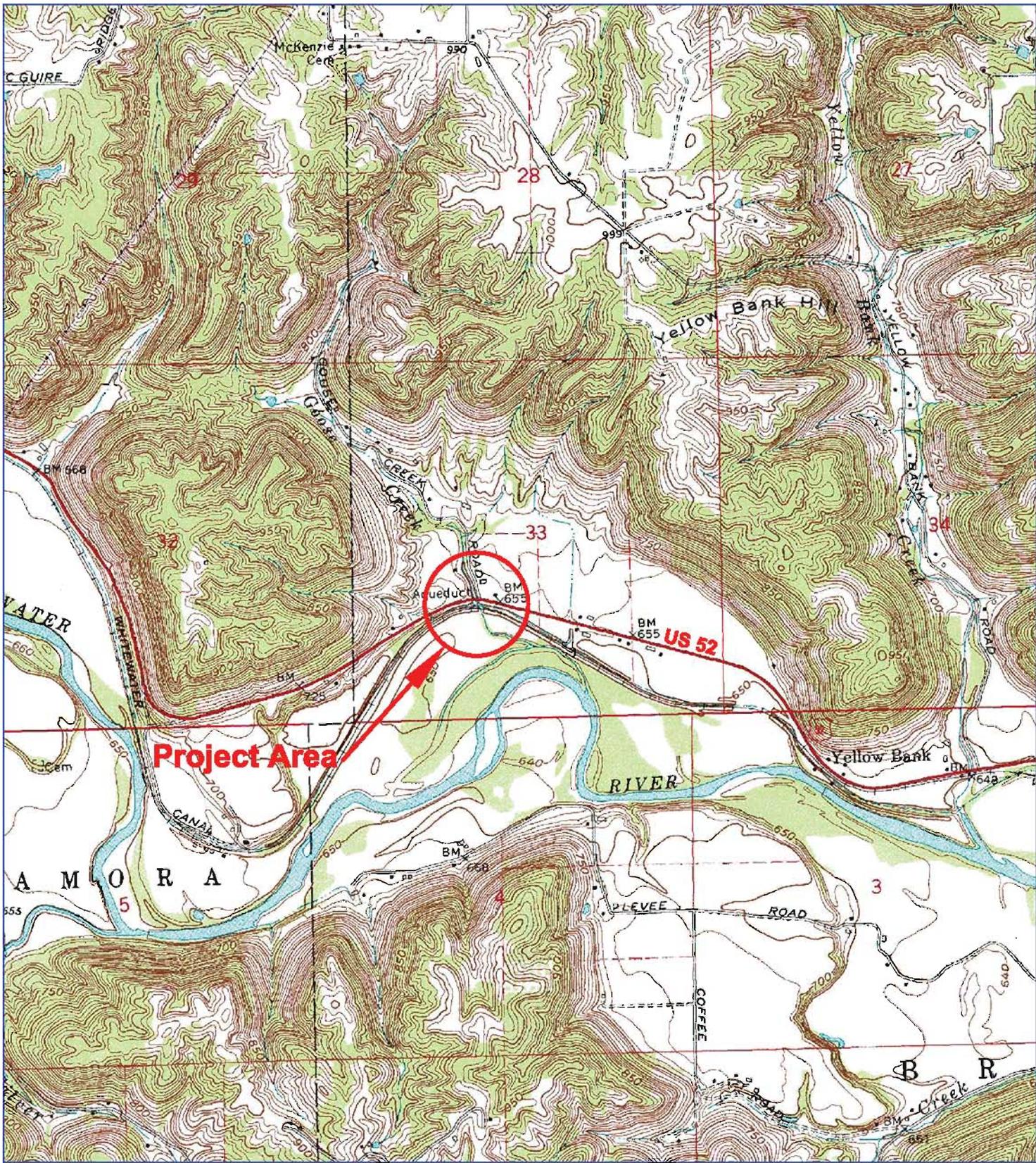
Attachment A

Maps, Photos, Plans



**PROJECT
AREA**

**Des. No.0710648
Small Structure Replacement
US 52 4.17 Miles East of SR 229
Franklin County**

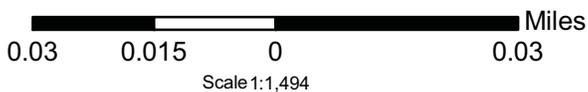
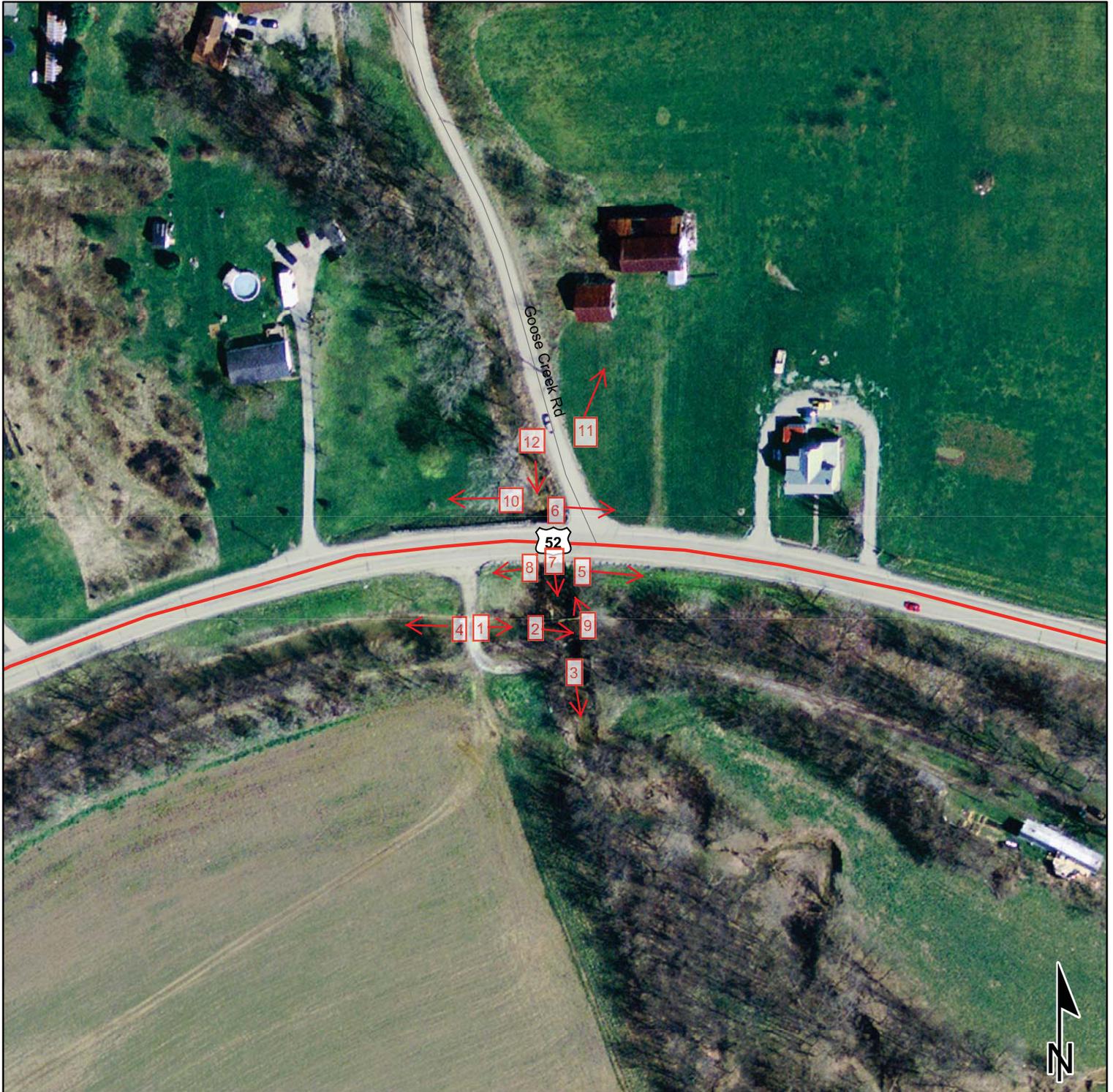


Brookville Quadrangle, IN
Scale = 1" = 2000'

Des. No. 0710648
Small Structure Replacement
US 52 4.17 Miles East of SR 229
Franklin County

Photo Key Map

Small Structure over Goose Ck located 4.17 miles east of SR 229
US 52, Franklin County, Indiana
Des No. 0710648, Small Structure Replacement



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

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

State Routes TYPE	
	Interstate
	State Route
	US Route
	Local Road



Photo 1-Looking east at canal and aquaduct structure



Photo 2-Rock headwall for aquaduct



Photo 3-Looking upstream at Goose Creek from RR bridge



Photo 4-Looking west at canal



Photo 5-Southeast quadrant from US 52 small structure



Photo 6-Northeast quadrant from US 52 small structure



Photo 7-Looking south (downstream) from US 52



Photo 8-Southwest quadrant from US 52 small structure



Photo 9-Looking north at outlet of US 52 small structure



Photo 10-Northwest quadrant from US 52 small structure

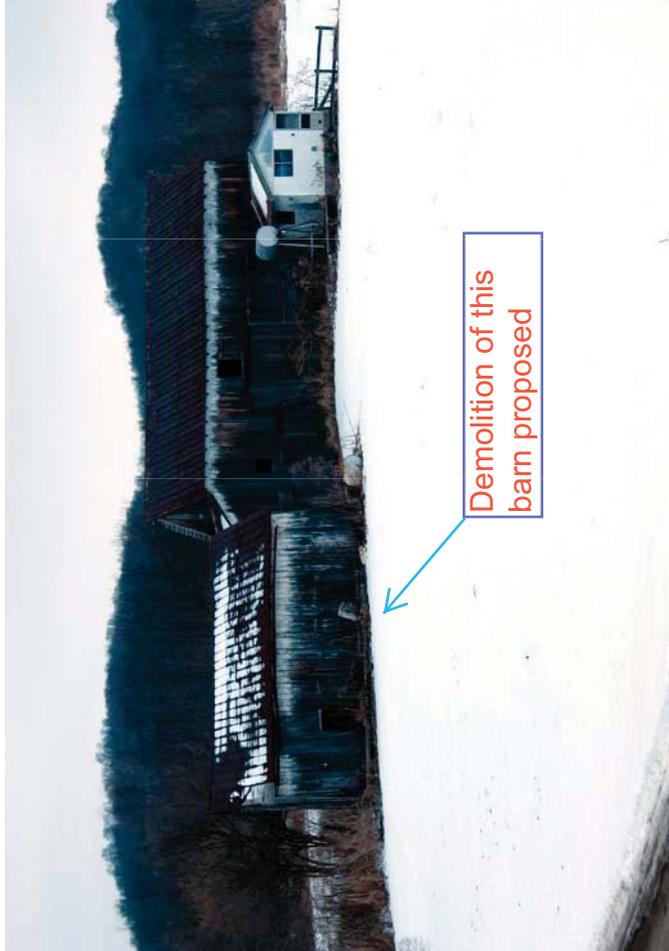
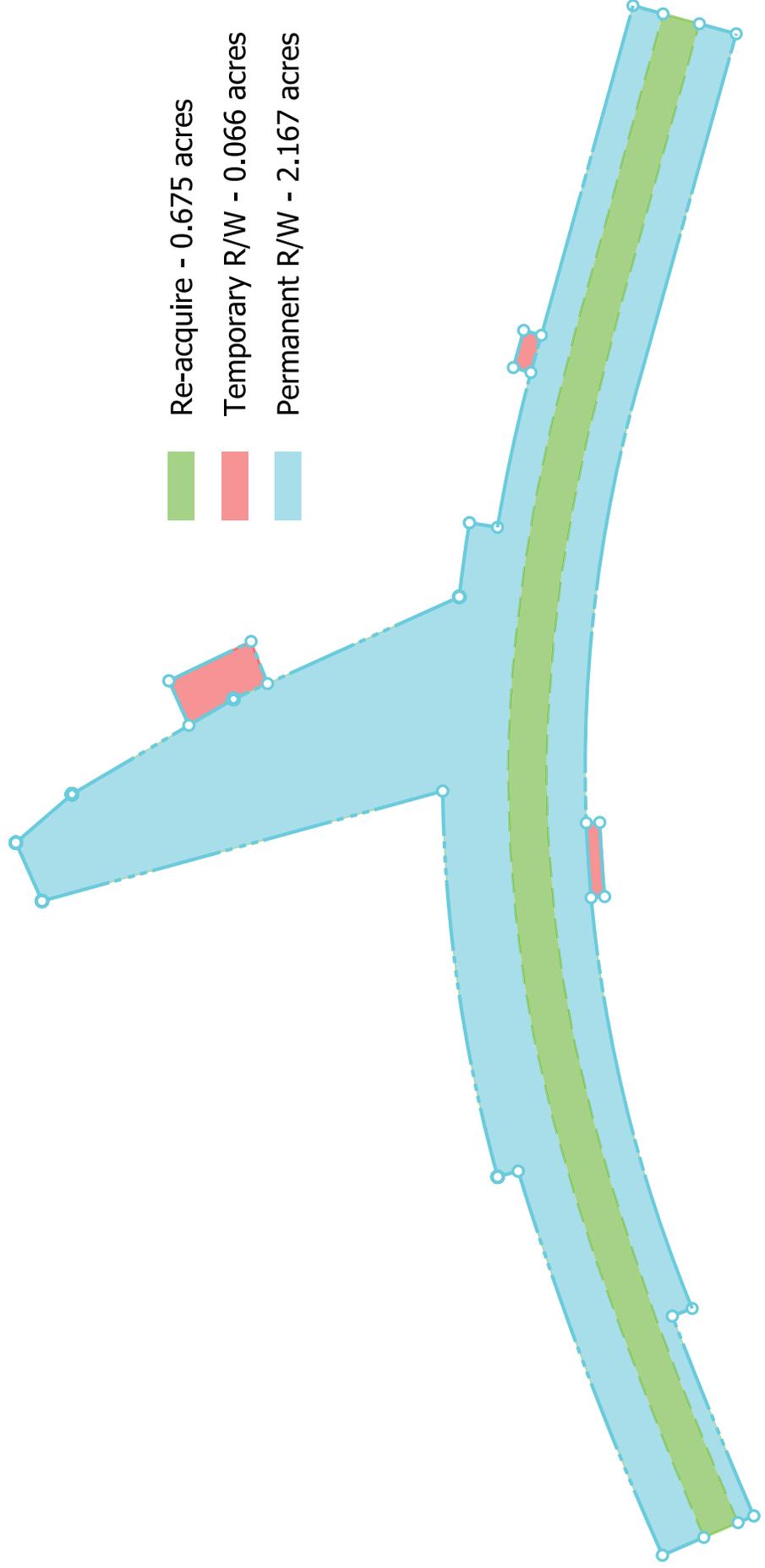


Photo 11-Barns east of Goose Creek Road



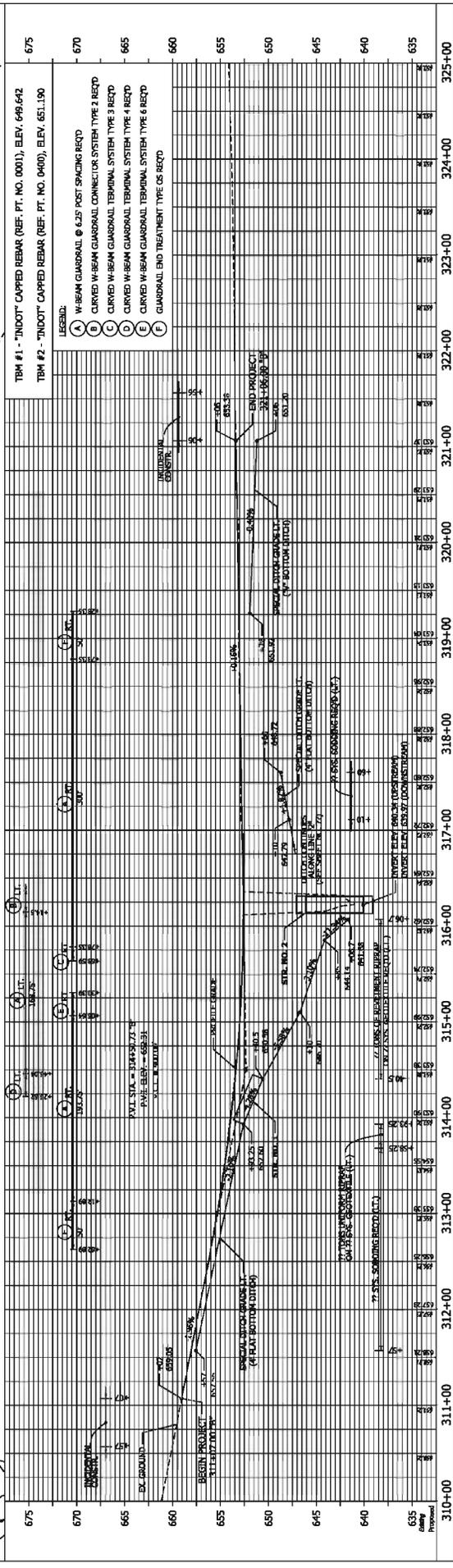
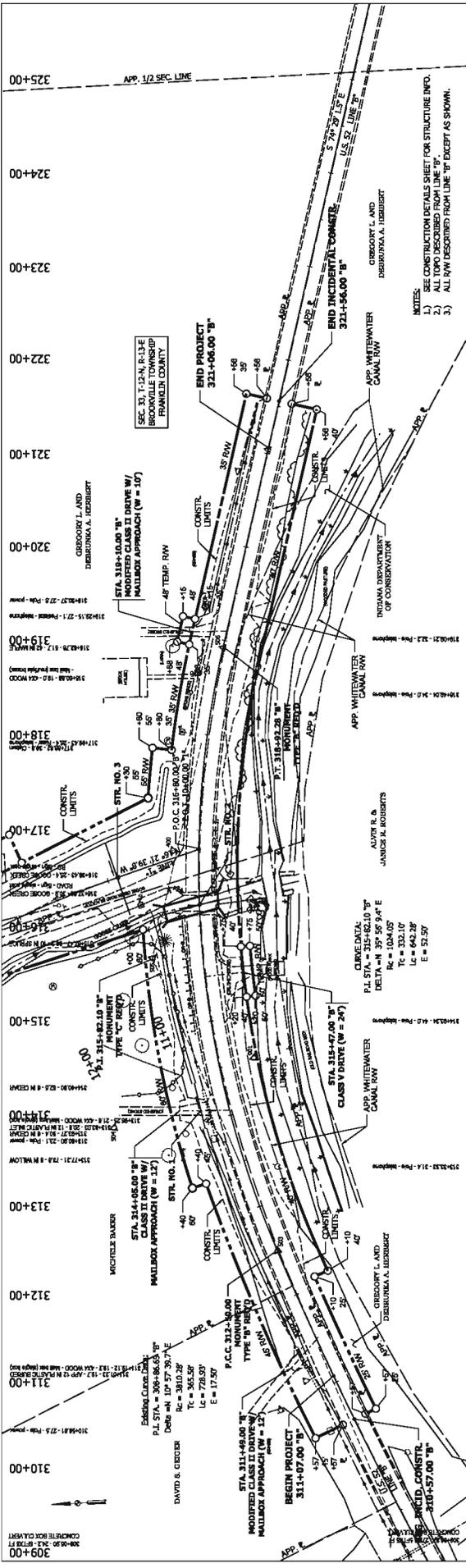
Photo 12-Inlet area of US 52 small structure on north side of US

Des#0710648.



Des#0710648. Right-of-way limits are blue. Small structure (barn) within right-of-way limits proposed for demolition.





STATION	ELEVATION	REMARKS
309+00	635.00	PROPOSED
310+00	635.00	PROPOSED
311+00	635.00	PROPOSED
312+00	635.00	PROPOSED
313+00	635.00	PROPOSED
314+00	635.00	PROPOSED
315+00	635.00	PROPOSED
316+00	635.00	PROPOSED
317+00	635.00	PROPOSED
318+00	635.00	PROPOSED
319+00	635.00	PROPOSED
320+00	635.00	PROPOSED
321+00	635.00	PROPOSED
322+00	635.00	PROPOSED
323+00	635.00	PROPOSED
324+00	635.00	PROPOSED
325+00	635.00	PROPOSED

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
CHECKED: JTL 7/77	DRAWN: JTL 7/77	
CHECKED: SAG 7/77	CHECKED: SAG 7/77	

INDIANA	SCALE	BRIDGE FILE
DEPARTMENT OF TRANSPORTATION	1" = 50'	N/A
PLAN AND PROFILE		DESTINATION
US 52 - LINE "B"		01/00/00
		DESIGN BOOK
		01/00/00
		PROJECT
		6
		CONTRACT
		R-30010
		PROJECT
		07/06/48

NOTES:
 1) SEE CONSTRUCTION DETAILS SHEET FOR STRUCTURE INFO.
 2) ALL TORS DESCRIBED FROM LINE "B".
 3) ALL NW DESCRIBED FROM LINE "B" EXCEPT AS SHOWN.

LEGEND:
 (A) W-BEAM GUARDRAIL @ 6.25' POST SPACING REQ'D
 (B) CURVED W-BEAM GUARDRAIL CONNECTOR SYSTEM TYPE 2 REQ'D
 (C) CURVED W-BEAM GUARDRAIL TERMINAL SYSTEM TYPE 3 REQ'D
 (D) CURVED W-BEAM GUARDRAIL TERMINAL SYSTEM TYPE 4 REQ'D
 (E) CURVED W-BEAM GUARDRAIL TERMINAL SYSTEM TYPE 6 REQ'D
 (F) GUARDRAIL END TREATMENT TYPE OS REQ'D

TRM #1 - "INDOOT" CAPPED REBAR (REF. PT. NO. 0001), ELEV. 649.642
 TRM #2 - "INDOOT" CAPPED REBAR (REF. PT. NO. 0400), ELEV. 651.190

Attachment B

Agency Questionnaires

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 4/15/2011			
Name of Project Des#0710648		Federal Agency Involved INDOT (Federally funded project)			
Proposed Land Use INDOT Right-of-way		County and State Franklin County, Indiana			
PART II (To be completed by NRCS)		Date Request Received By NRCS		Person Completing Form:	
Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input type="checkbox"/>	NO <input type="checkbox"/>	Acres Irrigated	
Major Crop(s)		Farmable Land In Govt. Jurisdiction Acres: %		Average Farm Size	
Name of Land Evaluation System Used		Name of State or Local Site Assessment System		Amount of Farmland As Defined in FPPA Acres: %	
				Date Land Evaluation Returned by NRCS	
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		2.167			
B. Total Acres To Be Converted Indirectly					
C. Total Acres In Site		2.167			
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide Important or Local Important Farmland					
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)					
PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		Maximum Points	Site A	Site B	Site C
1. Area In Non-urban Use		(15)			
2. Perimeter In Non-urban Use		(10)			
3. Percent Of Site Being Farmed		(20)			
4. Protection Provided By State and Local Government		(20)			
5. Distance From Urban Built-up Area		(15)			
6. Distance To Urban Support Services		(15)			
7. Size Of Present Farm Unit Compared To Average		(10)			
8. Creation Of Non-farmable Farmland		(10)			
9. Availability Of Farm Support Services		(5)			
10. On-Farm Investments		(20)			
11. Effects Of Conversion On Farm Support Services		(10)			
12. Compatibility With Existing Agricultural Use		(10)			
TOTAL SITE ASSESSMENT POINTS		160			
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100			
Total Site Assessment (From Part VI above or local site assessment)		160			
TOTAL POINTS (Total of above 2 lines)		260			
Site Selected:		Date Of Selection		Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>	
Reason For Selection:					
Name of Federal agency representative completing this form:					Date:

(See Instructions on reverse side)

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, <http://fppa.nrcs.usda.gov/lesa/>.
- Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s) of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.
- Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.
2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.

Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.



Indiana Wellhead Protection Program

Indiana Department of Environmental Management · Drinking Water Branch · Ground Water Section

Wellhead Protection Area Proximity Request Form

Use this form to request information on the proximity of your site to a Wellhead Protection Area (WHPA). Please fill out the form completely and mail, email or fax to the Drinking Water Branch/Ground Water Section. Upon review, you will be contacted with official WHPA Proximity Determination documentation. Send to:

Indiana Dept. of Environmental Management Drinking Water Branch/Ground Water Section ATTN: James Sullivan 100 N. Senate Avenue Indianapolis, IN 46204	Fax: 317-308-3339 Phone: 317-308-3388 Email: jsulliva@idem.in.gov
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Date	4/12/2011
Person Requesting Information	
Name	Brad Williamson
Company	INDOT, Seymour District
Address	185 Agrico Lane Sevmour In. 47274
Phone	812-524-3971
E-mail	bwilliamson@indot.in.gov
Site Information	
Address (please include zip code)	Small structure replacement on US 52 in Franklin County. See maps and details above.
Additional Comments	
For Office Use Only	
Date and Time Request Received	
Date and Time Request Filled	

Des. #: 0710648

Project #: 0710648

Project Description: Small Structure Replacement on US 52 in Franklin County

Name of organization requesting early coordination: INDOT

Questionnaire for INDOT Aeronautics

Are there any existing or proposed airports located within or near the project limits? If so, describe any potential conflicts with air traffic during or after construction of this project.

This information was furnished by:

Name: _____ Title: _____

Address: _____

Phone: _____ Date: _____

Des. #: 0710648

Project #: 0710648

Project Description: Small Structure replacement on US 52, Franklin County

Name of organization requesting early coordination: INDOT

Questionnaire for the Indiana Geological Survey

- 1) Do unusual and/ or problem () geographic, () geological, () geophysical, or (), or () topographic features exist within the project limits? Describe:

- 2) Have existing or potential mineral resources been identified in this area? Describe:

- 3) Are there any active or abandoned mineral resource extraction sites located nearby? Describe:

This information was furnished by:

Name: _____ Title: _____

Address: _____

Phone: _____ Date: _____

Des. #: 0710648

Project #: 0710648

Project Description: Small Structure replacement on US 52 in Franklin County

Name of organization requesting early coordination: INDOT

Questionnaire for the U.S. Forest Service

1) Does the project area support populations of unusual () small game birds, () small game mammals, or () other wildlife species? Describe:

2) Do large numbers of unusual species of migrating birds or waterfowl () nest, () rest and feed, or () winter in the area? Describe:

3) Does the area support rare or endangered wildlife species? Identify and describe:

4) Are the streams in the area high quality sport fisheries (spawning, nursery or complete habitat)? Describe:

5) Are there intensive or experimental management programs in the project area? Describe:

6) Does the project pass through areas of unique () trees, () shrubs, or () other vegetation? Identify and describe:

7) Does the project pass through or adversely affect public () parks, () recreation areas, () wildlife refuges or hunting areas, or () fishing areas? Identify and describe:

Questionnaire for the U.S. Forest Service (continued)

8) Does the project provide potential multiple use of joint development programs for () public access to streams or lakes, () bicycle trails, () scenic overlooks, or () new or improved access to public wildlife or recreation areas? Identify and describe the proposal and suggest a contact point for sources of additional information:

This information was furnished by:

Name: _____ Title: _____

Address: _____

Phone: _____ Date: _____