



INTEROFFICE MEMORANDUM

October 24, 2017

TO: Master Files

FROM: John Fleming, Division Head, Environmental Division 

SUBJECT: Job Number 100833
FAP Number NHPP-0016(73)
Ditch at L.M. 0.25 Str. & Apprs. (S)
Bridge Number M0050
Craighead County
Tier 2 Categorical Exclusion

The Environmental Division has reviewed the referenced project and it falls within the definition of a Tier 2 Categorical Exclusion under 23 Code of Federal Regulations, Section 771.117, and the ARDOT/FHWA Memorandum of Agreement on the processing of Categorical Exclusions. A public hearing will not be offered for this project.

The purpose of this project is to replace a structurally deficient bridge over an unnamed stream on Highway 163 near Jonesboro in Craighead County. The total length of the project is 0.057 mile. A project location map is attached.

The existing roadway consists of two 11-foot wide paved travel lanes with no shoulders. Existing right of way width is approximately 80 feet. The existing 25' x 45' bridge (M0050) consists of a three-span concrete slab supported on channel beams. This bridge has a sufficiency rating of 11 and is structurally deficient.

Proposed improvements include replacing the existing bridge with a quadruple 11' x 9' x 80' R.C. box culvert on the existing alignment utilizing staged construction. The bridge approaches will have two 11-foot travel lanes and 6-foot shoulders. The new average right of way width will be 213 feet.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Posted Speed
2017	2,000	9	55 mph
2037	2,500	9	55 mph

Job Number 100833
Tier 2 Categorical Exclusion
Page 2 of 2

There are no relocations, environmental justice issues, hazardous materials, wetlands, or cultural resources associated with this project. Concurrence from the State Historic Preservation Officer is attached. Approximately 0.59 acre of additional right of way will be required for this project, of which 0.39 acre is Farmland of Statewide Importance. Form NRCS-CPA-106 is attached.

The project will impact 144 linear feet of an unnamed stream. No wetlands will be impacted. Construction of the proposed project should be allowed under the terms of Nationwide Permit 14 as defined in Federal Register 82(4):1860-2008.

The U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) webtool identified rabbitsfoot (*Quadrula cylindrica*), scaleshell (*Leptodea leptodon*), fat pocketbook (*Potamilus capax*), Indiana bat (*Myotis sodalis*), and pondberry (*Lindera melissifolia*) as potentially occurring at or near the project location. The official species list is attached.

ARDOT Environmental Division personnel conducted a field survey of the proposed project area. With the distance to known records, minimal impacts to streams, no tree clearing, and the incorporation of appropriate sediment and erosion controls, the project was determined to have no effect on listed species.

Attachments:

Project Location Map
SHPO Clearance
USFWS Species List
Environmental Study Checklist
Design Sheet

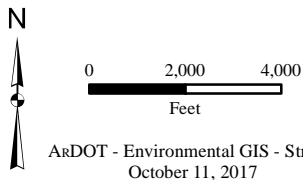
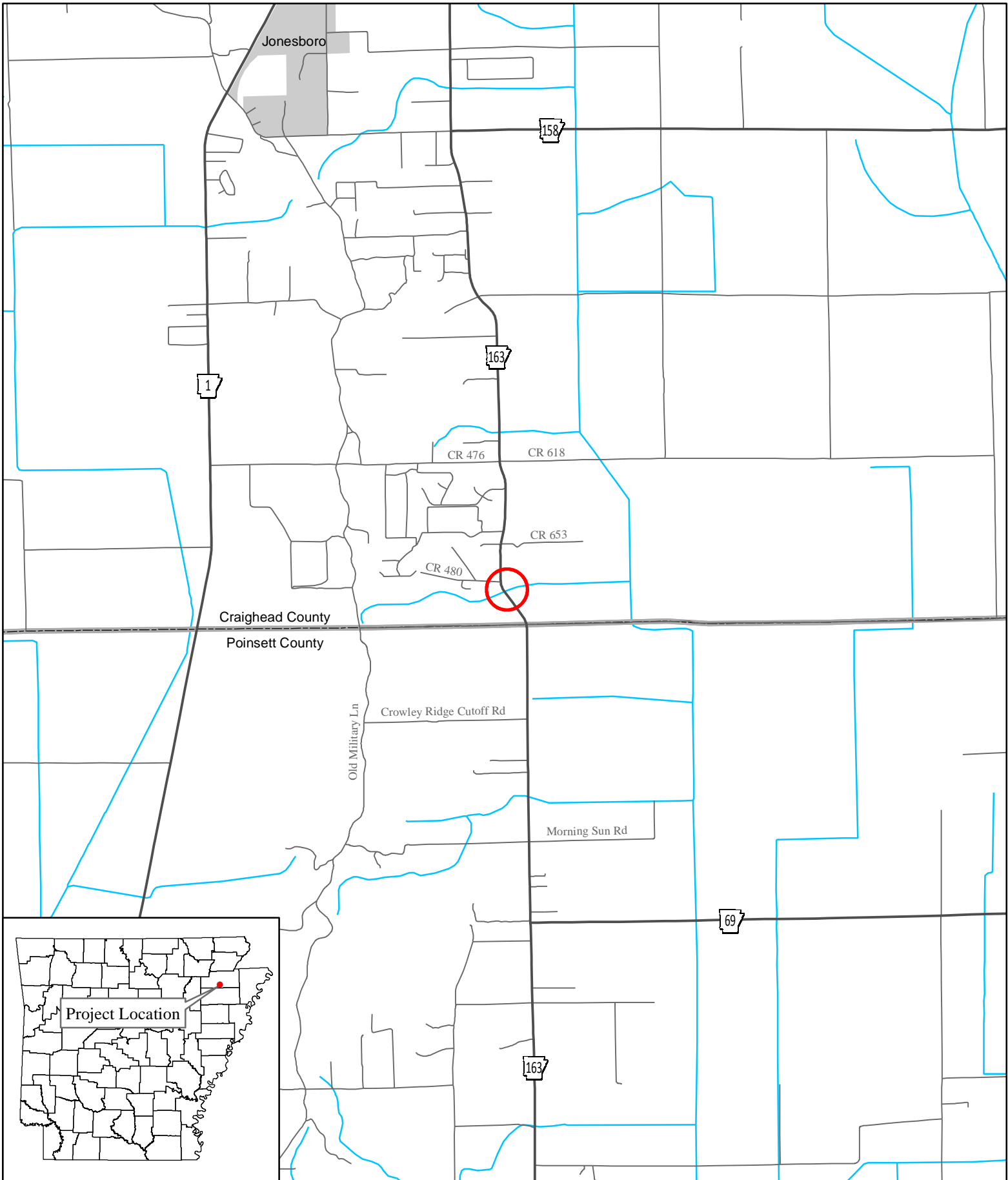
Approved:



Kevin Thornton
Assistant Chief Engineer-Planning

JF:SL:fc

c: Program Management
Right of Way
Roadway Design
District 10
FHWA
Master File



ARDOT - Environmental GIS - Strawn
October 11, 2017

Job 100833
Ditch at L.M. 0.25
Str. & Apprs. (Hwy. 163)
Craighead County





ARKANSAS DEPARTMENT OF TRANSPORTATION

ArDOT.gov | IDriveArkansas.com | Scott E. Bennett, P.E., Director

10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261

Phone: 501.569.2000 | Voice/TTY 711 | Fax: 501.569.2400

October 17, 2017

99486

FHWA

Ms. Stacy Hurst
Arkansas Historic Preservation Program
1100 North Street
Little Rock, Arkansas 72201

AHPP

OCT 17 2017

RECEIVED
AHTD

OCT 19 2017

ENVIRONMENTAL
DIVISION

RE: Job Number 100833
Ditch at L.M. 0.25 Str. & Apprs. (S)
Craighead County

Dear Ms. Hurst:

Please find enclosed a Project Identification Form (PIF) for the above referenced project. If you have any questions or require additional information about the project, please contact Milton Hughes of my staff at 501-569-2080.

Sincerely,

John Fleming
Division Head
Environmental Division

Enclosures
PIF

JF:DW:MH:ym

Date 10/17/2017

No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.

Arkansas State Historic Preservation Officer

**FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS**

PART I (To be completed by Federal Agency) Job 100833		3. Date of Land Evaluation Request 10/12/17	4. Sheet 1 of _____
1. Name of Project Ditch at L.M. 0.25 Str. & Apprs. (S)		5. Federal Agency Involved FHWA	
2. Type of Project Bridge replacement		6. County and State Craighead AR.	
PART II (To be completed by NRCS)		1. Date Request Received by NRCS	2. Person Completing Form
3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form)		YES NO	4. Acres Irrigated Average Farm Size
5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: %	7. Amount of Farmland As Defined in FPPA Acres: %	
8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS	

PART III (To be completed by Federal Agency)	Alternative Corridor For Segment			
	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres To Be Converted Directly				
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor				

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland				
B. Total Acres Statewide And Local Important Farmland	0.39			
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 Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
1. Area in Nonurban Use	15	15			
2. Perimeter in Nonurban Use	10	10			
3. Percent Of Corridor Being Farmed	20	10			
4. Protection Provided By State And Local Government	20	0			
5. Size of Present Farm Unit Compared To Average	10	0			
6. Creation Of Nonfarmable Farmland	25	0			
7. Availability Of Farm Support Services	5	5			
8. On-Farm Investments	20	0			
9. Effects Of Conversion On Farm Support Services	25	0			
10. Compatibility With Existing Agricultural Use	10	0			
TOTAL CORRIDOR ASSESSMENT POINTS	160	40			

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	100			
Total Corridor Assessment (From Part VI above or a local site assessment)	160	40			
TOTAL POINTS (Total of above 2 lines)	260	140			

1. Corridor Selected: <input checked="" type="checkbox"/> New <input type="checkbox"/> Existing Location Adjacent to existing	2. Total Acres of Farmlands to be Converted by Project: 0.39 acres of Farmland of Statewide Importance	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part:  DATE 10/24/17

NOTE: Complete a form for each segment with more than one Alternate Corridor



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Arkansas Ecological Services Field Office
110 South Amity Suite 300
Conway, AR 72032-8975
Phone: (501) 513-4470 Fax: (501) 513-4480
<http://www.fws.gov/arkansas-es>

In Reply Refer To:

October 06, 2017

Consultation Code: 04ER1000-2018-SLI-0021

Event Code: 04ER1000-2018-E-00032

Project Name: 100833 - Ditch at L.M. 0.25 Str. & Apprs. (s)

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies endangered, threatened, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). **This letter only provides an official species list and technical assistance; if you determine that listed species and/or designated critical habitat may be affected in any way by the proposed project, even if the effect is wholly beneficial, consultation with the Service will be necessary.**

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found on our website.

Please visit our website at <http://www.fws.gov/arkansas-es/IPaC/home.html> for species-specific guidance to avoid and minimize adverse effects to federally endangered, threatened, proposed, and candidate species. Our web site also contains additional information on species life history and habitat requirements that may be useful in project planning.

If your project involves in-stream construction activities, oil and natural gas infrastructure, road construction, transmission lines, or communication towers, please review our project

specific guidance at <http://www.fws.gov/arkansas-es/IPaC/ProjSpec.html>.

The karst region of Arkansas is a unique region that covers the **northern third of Arkansas** and we have specific guidance to conserve sensitive cave-obligate and bat species. **Please visit <http://www.fws.gov/arkansas-es/IPaC/Karst.html> to determine if your project occurs in the karst region and to view karst specific-guidance.** Proper implementation and maintenance of best management practices specified in these guidance documents is necessary to avoid adverse effects to federally protected species and often avoids the more lengthy formal consultation process.

If your species list includes any mussels, Northern Long-eared Bat, Indiana Bat, Yellowcheek Darter, Red-cockaded Woodpecker, or American Burying Beetle, your project may require a presence/absence and/or habitat survey prior to commencing project activities. Please check the appropriate species-specific guidance on our website to determine if your project requires a survey. We strongly recommend that you contact the appropriate staff species lead biologist (see office directory or species page) prior to conducting presence/absence surveys to ensure the appropriate level of effort and methodology.

Under the ESA, it is the responsibility of the Federal action agency or its designated representative to determine if a proposed action "may affect" endangered, threatened, or proposed species, or designated critical habitat, and if so, to consult with the Service further. Similarly, it is the responsibility of the Federal action agency or project proponent, not the Service, to make "no effect" determinations. If you determine that your proposed action will have "no effect" on threatened or endangered species or their respective critical habitat, you do not need to seek concurrence with the Service. Nevertheless, it is a violation of Federal law to harm or harass any federally-listed threatened or endangered fish or wildlife species without the appropriate permit.

Through the consultation process, we will analyze information contained in a biological assessment that you provide. If your proposed action is associated with Federal funding or permitting, consultation will occur with the Federal agency under section 7(a)(2) of the ESA. Otherwise, an incidental take permit pursuant to section 10(a)(1)(B) of the ESA (also known as a habitat conservation plan) is necessary to harm or harass federally listed threatened or endangered fish or wildlife species. In either case, there is no mechanism for authorizing incidental take "after-the-fact." For more information regarding formal consultation and HCPs, please see the Service's Consultation Handbook and Habitat Conservation Plans at www.fws.gov/endangered/esa-library/index.html#consultations.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, **the accuracy of this species list should be verified after 90 days.** This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and

implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

Official Species List

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

This species list is provided by:

Arkansas Ecological Services Field Office

110 South Amity Suite 300

Conway, AR 72032-8975

(501) 513-4470

Project Summary

Consultation Code: 04ER1000-2018-SLI-0021

Event Code: 04ER1000-2018-E-00032

Project Name: 100833 - Ditch at L.M. 0.25 Str. & Apprs. (s)

Project Type: TRANSPORTATION

Project Description: Replace the bridge on highway 163 over unnamed tributary with a quadruple concrete box culvert.

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/35.707871491206234N90.6614581129694W>



Counties: Craighead, AR

Endangered Species Act Species

There is a total of 5 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered

Clams

NAME	STATUS
Fat Pocketbook <i>Potamilus capax</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2780	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165	Threatened
Scaleshell Mussel <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5881	Endangered

Flowering Plants

NAME	STATUS
Pondberry <i>Lindera melissifolia</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1279	Endangered

Critical habitats

There are no critical habitats within your project area under this office's jurisdiction.

ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 100833 FAP Number NHPP-0016(73)

Job Title Ditch at L.M. 0.25 Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		Temporary during construction
Floodplains	X			
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds	X			Migratory Bird SP
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland		X		0.39 acre Farmland of Statewide importance, Form NRCS-CPA-106 is attached.
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			
Relocates	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts		X		NWP 14
Water Quality		X		Temporary during constuction
Wetlands	X			
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? No
 Short-term Activity Authorization Required? Yes
 Section 404 Permit Required? Yes Type NWP 14

Remarks: No stream migiation required

Signature of Evaluator *Sherry LeBlanc* Date October 24, 2017
5/17/2011

ROADWAY DESIGN REQUESTJob Number 100833 FAP No. _____ County CraigheadJob Name Ditch at L.M. 0.25 Str. & Apprs. (S)Design Engineer Kevin Wang Environmental Staff _____Brief Project Description Bridge Replacement

A. Existing Conditions:

Roadway Width: 22 Shoulder Type/Width: noneNumber of Lanes and Width: 2 – 11' Existing Right-of-Way: 80 ft.Sidewalks? n/a Location: _____ Width: _____Bike Lanes? n/a Location: _____ Width: _____

B. Proposed Conditions:

Roadway Width: 22' Shoulder Type/Width: 2' paved
4' agg.Number of Lanes and Width: 2 – 11' Proposed Right-of-Way: 213.03'Sidewalks? n/a Location: _____ Width: _____Bike Lanes? n/a Location: _____ Width: _____

C. Construction Information:

If detour: Where: Onsite Length: 917.28 ft.

D. Design Traffic Data:

2017 ADT: 2000 2037 ADT: 2500 % Trucks: 9%
Posted Speed: 55 m.p.h.E. Approximate total length of project: .057 mile(s)F. Justification for proposed improvements: Structure is deficientG. Total Relocates: 0 Residences: 0 Businesses: 0H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? no

Agency/Official	Person Contacted	Date