



## INTEROFFICE MEMORANDUM

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May 2, 2018

**TO:** Master Files

**FROM:** John Fleming, Division Head, Environmental Division 

**SUBJECT:** Job Number 100841  
FAP Number NHPP-0028(45)  
Cache River Relief Str. & Apprs. (S)  
Route 228, Section 5  
Bridge Number M3318  
Greene 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 on Highway 228 in Greene County. Total length of the project is 0.202 mile. The attached figure illustrates the project location.

Existing Highway 228 consists of two 10-foot wide paved travel lanes with no shoulders. The existing bridge (M3318) has a 28' x 133' concrete deck with asphalt overlay on timber girders supported by timber pile bents. The bridge has a sufficiency rating of 28.8. The existing right of way width is 90 feet.

Proposed improvements include replacing the bridge with 33' x 167' continuous composite prestressed concrete girder unit on existing location. The new approaches will have two 11-foot wide paved travel lanes and 4-foot wide shoulders (2 foot paved). A temporary detour bridge southeast of the existing

bridge will be needed during construction for maintenance of traffic. The proposed average right of way width will be 155 feet. Approximately 1.34 acre of right of way will be required for this project, of which 0.94 acre is Farmland of Statewide Importance. Form NRCS-CPA-106, the Farmland Conversion Impact Rating, is attached. In addition, 0.67 acre of temporary construction easements will be required for the completion of the detour.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2018	740	7	55 mph
2038	900	7	55 mph

There are no relocations, endangered species, floodplains, or environmental justice issues associated with this project. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is attached. Field inspections found no evidence of existing underground storage tanks or hazardous waste deposits.

Based upon the ARDOT's *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. This project does not involve added capacity, construction of new through lanes or auxiliary lanes, changes in the horizontal or vertical alignment of the roadway, or exposure of noise sensitive land uses to a new or existing highway noise source.

The project will have a discharge of dredged or fill material into waters of the United States, therefore a Section 404 permit will be required. Approximately 0.34 acre of wetlands will be impacted by the temporary detour and new bridge embankment. The project should be authorized by Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82(4):1860-2008. Compensatory mitigation will be provided at Glaise Creek mitigation bank.

The official species list obtained through the US Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website lists Rabbitsfoot (*Theliderma cylindrica*), Indiana bat (*Myotis sodalis*) and pondberry

Job Number 100841  
Tier 2 Categorical Exclusion  
Page 3 of 3

*(Lindera melissifolia)* as species potentially affected by the proposed project.  
This project will not affect the listed species due to distance to suitable habitat.

Attachments:

Project Location Map  
SHPO Clearance  
Form NRCS-CPA-106  
USFWS Species List  
USFWS Consistency Letter  
Environmental Study Checklist  
Design Sheets

Approved:

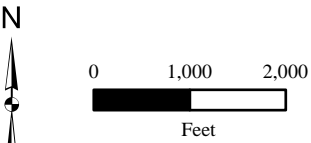
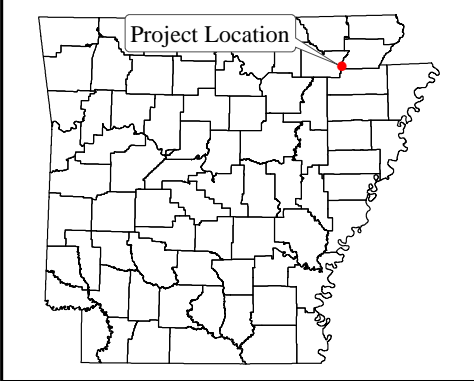
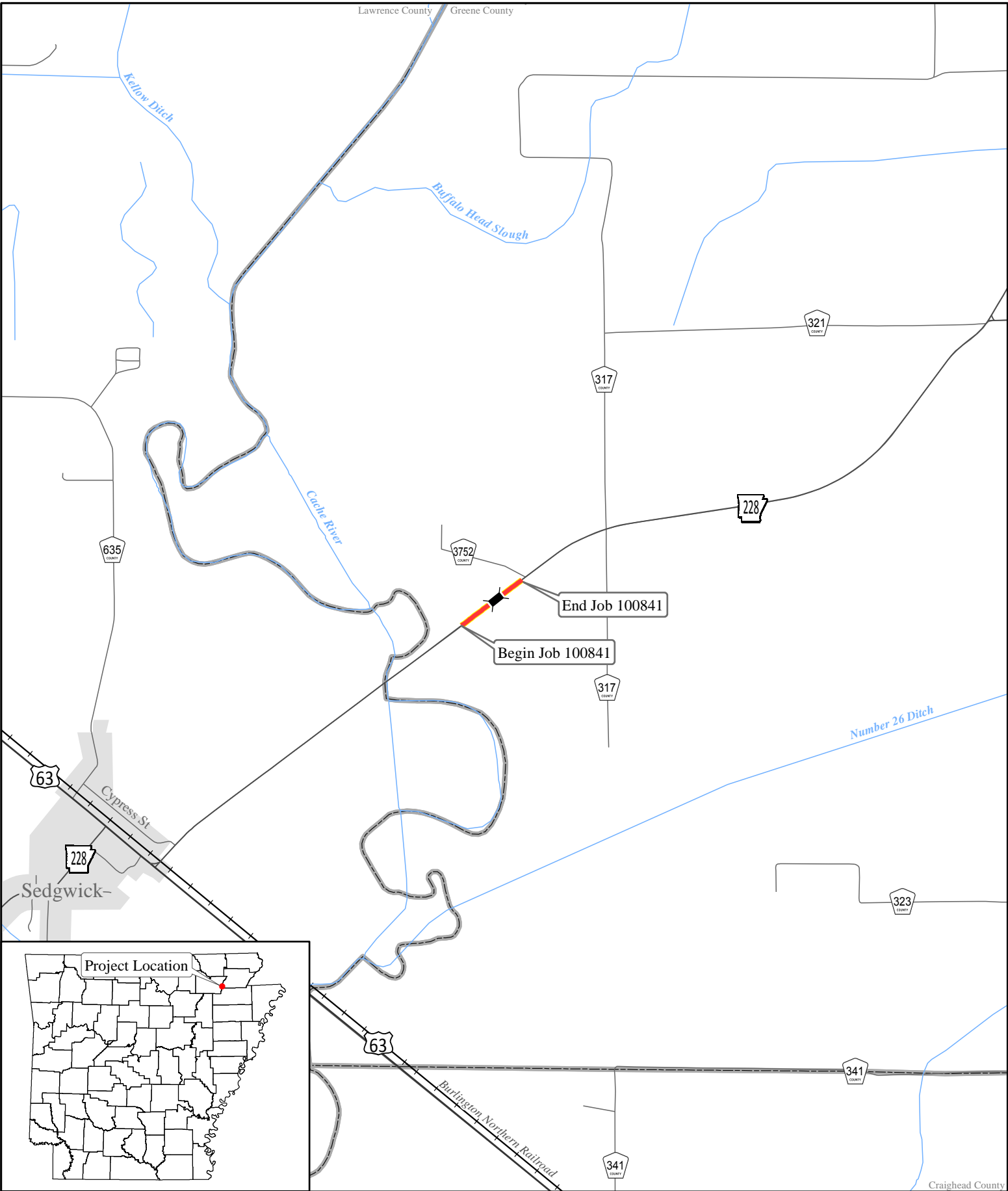


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Kevin Thornton  
Assistant Chief Engineer-Planning

JF:KS:fc

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



ARDOT - Environmental GIS - Hopkins  
April 10, 2018

**Job 100841**  
**Cache River Relief**  
**Str. & Apprs. (Hwy. 228)**  
**Greene County**

 Project Location



THE DEPARTMENT OF ARKANSAS  
**HERITAGE**

Asa Hutchinson  
*Governor*

Stacy Hurst  
*Director*

May 1, 2018

Mr. John Fleming  
Division Head  
Environmental Division  
Arkansas State Highway and Transportation Department  
PO Box 2261  
Little Rock, AR 72203-2261

RECEIVED  
ARDOT  
MAY 04 2018  
ENVIRONMENTAL  
DIVISION

RE: Greene County – General  
Section 106 Review – FHWA  
Request for Technical Assistance  
Addendum to AHTD Job Number 100841  
Cache River Relief Str. & Apprs. (S)  
AHPP Tracking Number 97848.01

Dear Mr. Fleming:

This letter is written in response to your inquiry regarding properties of architectural or historical significance in the area of the proposed referenced project. The staff of the Arkansas Historic Preservation Program has reviewed the documents for the structures included in your letter of April 23, 2018. We previously determined that the bridge (M3318) is not eligible for inclusion in the National Register of Historic Places. Even though the temporary detour will now be east of the structure instead of west, we continue to concur that this undertaking will have no adverse effect on historic properties.

Tribes that have expressed an interest in the area include the Delaware Nation (Mr. Jason Ross), the Osage Nation (Dr. Andrea Hunter), the Quapaw Tribe of Oklahoma (Mr. Everett Bandy), and the Shawnee Tribe of Oklahoma (Ms. Kim Jumper). We recommend that they be consulted in accordance with 36 CFR § 800.2 (c) (2).

Once the undertaking is further along in the planning stages, we look forward to reviewing the proposed project. If you should have any questions or comments, please do not hesitate to contact Theresa Russell of my staff at (501)-324-9357.

Sincerely,

Scott Kaufman  
Director, AHPP

cc: Mr. Randal Looney, Federal Highway Administration  
Dr. Andrea Hunter, Osage Nation  
Dr. Ann Early, Arkansas Archeological Survey

Arkansas Arts Council

Arkansas Natural  
Heritage Commission

Arkansas State Archives

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars  
Cultural Center

Old State House Museum



ARKANSAS HISTORIC  
PRESERVATION PROGRAM



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## 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>

IPaC Record Locator: 469-11819515

March 30, 2018

Subject: Consistency letter for the '100841 Cache River Relief Bridge' project (TAILS 04ER1000-2018-R-0786) under the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated to verify that the **100841 Cache River Relief Bridge** (Proposed Action) may rely on the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action will have no effect on the endangered Indiana bat (*Myotis sodalis*) or the threatened Northern long-eared bat (*Myotis septentrionalis*). If the Proposed Action is not modified, **no consultation is required for these two species.**

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

If the Proposed Action may affect any other federally-listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency for the Proposed Action accordingly.

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

- Pondberry, *Lindera melissifolia* (Endangered)
  - Rabbitsfoot, *Quadrula cylindrica cylindrica* (Threatened)
-

## Project Description

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

### Name

100841 Cache River Relief Bridge

### Description

Replace the flood relief bridge on existing alignment with a temporary detour bridge to the southeast.

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## Determination Key Result

Based on the information you provided, you have determined that the Proposed Action will have no effect on the endangered Indiana bat and/or the threatened Northern long-eared bat. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for these two species.

## Qualification Interview

1. Is the project within the range of the Indiana bat<sup>[1]</sup>?

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

**Automatically answered**

*Yes*

2. Is the project within the range of the Northern long-eared bat<sup>[1]</sup>?

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

**Automatically answered**

*No*

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

*A) Federal Highway Administration (FHWA)*

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

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

*No*

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

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

*No*

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6. Does the project include *any* activities **within** 0.5 miles of an Indiana bat and/or NLEB hibernaculum<sup>[1]</sup>?

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

*No*

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

*No*

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

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

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

*No*

9. Does the project include maintenance of the surrounding landscape at existing facilities (e.g., rest areas, stormwater detention basins)?

*No*

10. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?

*No*

11. Does the project include slash pile burning?

*No*

12. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)?

*Yes*

13. Is there *any* suitable habitat<sup>[1]</sup> for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

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

*No*

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

*No*

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

*No*

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

*No*

17. Are *all* project activities that are **not associated with** habitat removal, tree removal/trimming, bridge or structure removal, replacement, and/or maintenance, lighting, or use of percussives, limited to actions that DO NOT cause any stressors to the bat species, including as described in the BA/BO (i.e. activities that do not involve ground disturbance, percussive noise, temporary or permanent lighting, tree removal/trimming, nor bridge/structure activities)?

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

*Yes*

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

*No*

19. Is the location of this project consistent with a No Effect determination in this key?

**Automatically answered**

*Yes, because the project action area is outside of suitable Indiana bat and/or NLEB summer habitat*

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

**Automatically answered**

*Yes, because the bridge is more than 1,000 feet from the nearest suitable habitat and is therefore considered unsuitable for use by bats*

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

This key was last updated in IPaC on March 16, 2018. Keys are subject to periodic revision.

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

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

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## 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:  
Consultation Code: 04ER1000-2018-SLI-0786  
Event Code: 04ER1000-2018-E-01126  
Project Name: 100841 Cache River Relief Bridge

March 30, 2018

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/engangered/esa-library/index.html#consultations](http://www.fws.gov/engangered/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

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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

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## Project Summary

Consultation Code: 04ER1000-2018-SLI-0786

Event Code: 04ER1000-2018-E-01126

Project Name: 100841 Cache River Relief Bridge

Project Type: TRANSPORTATION

Project Description: Replace the flood relief bridge on existing alignment with a temporary detour bridge to the southeast.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/35.98835472040667N90.84109246730804W>



Counties: Greene, AR

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## Endangered Species Act Species

There is a total of 3 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

### Mammals

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

### Clams

NAME	STATUS
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a>	Threatened

### Flowering Plants

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

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## Critical habitats

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

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# ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 100841 FAP Number NHPP-0028(45)  
 Job Title Cache River Relief Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary during construction
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife	X			
Floodplains	X			
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds	X			
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland		X		0.94 acre of Additional ROW that is also Farmland of Statewide Importance.
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			
Relocatees	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts	X			
Water Quality		X		
Wetlands		X		0.34 acre
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? Y  
 Short-term Activity Authorization Required? Y  
 Section 404 Permit Required? Y Type NWP 14

Remarks: \_\_\_\_\_  
 Signature of Evaluator  Date May 2, 2018

**ROADWAY DESIGN REQUEST**Job Number 100841 FAP No. NHPP-0028(45) County GreeneJob Name Cache River Relief Str. & Apprs. (S)Design Engineer George W. Davison Environmental Staff \_\_\_\_\_Brief Project Description Bridge replacement on existing location.

## A. Existing Conditions:

Roadway Width: 20' Shoulder Type/Width: NoneNumber of Lanes and Width: 2-10' Existing Right-of-Way: 90'Sidewalks? No Location: N/A Width: N/ABike Lanes? No Location: N/A Width: N/A

## B. Proposed Conditions:

Roadway Width: 30' Shoulder Type/Width: 4' (2' Paved)Number of Lanes and Width: 2-11' Proposed Right-of-Way: 155'Sidewalks? No Location: N/A Width: N/ABike Lanes? No Location: N/A Width: N/A

## C. Construction Information:

If detour: Where: South/East Length: 1073'

## D. Design Traffic Data:

2018 ADT: 740 2038 ADT: 900 % Trucks: 7  
Design Speed: 55 m.p.h.E. Approximate total length of project: 0.202 mile(s)F. Justification for proposed improvements: Existing bridge is structurally deficient.G. Total Relocates: 0 Residences: 0 Businesses: 0H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? N/A

Agency/Official	Person Contacted	Date

Date Submitted to Environmental Division: \_\_\_\_\_

## BRIDGE INFORMATION – PRELIMINARY

Job Number: 100841 FAP Number: Z001-0028-045 County: Greene

Job Name: Cache River Relief Strs. & Apprs.(S)

Design Engineer: Jeff Covay Environmental Staff: Josh Seagraves, Mickey Matthews

### A. Description of Existing Bridge:

1. Bridge Number M3318 over Cache River Relief
2. Location: Rte.: 228 Section: 5 Log Mile: 0.41
3. Length: 133 ft Br. Rdwy. Width: 28.2 ft Deck Width (Out-to-Out): 29.5 ft
4. Type Construction: Concrete Deck Supported by Timber Girders on Timber Substructure
5. Deficiencies: Deteriorating Deck & Girders
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 28.8
7. Are any Condition Component Ratings at 3 or less? No

### B. Proposed Improvements:

1. Length: 165 ft Br. Rdwy. Width: 30 ft Deck Width (Out-to-Out): 33.1667 ft
2. Travel Lanes: 2 Width: 10 ft
3. Shoulder Width: Left: 4 ft Right: 4 ft
4. Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_ ft

### C. Construction Information:

1. Location in relation to existing bridge: Same Location
2. Superstructure Type: Continuous Composite Prestressed Girder Unit
3. Span Lengths: 55'-55'-55'
4. Substructure Type: Concrete Filled Steel Shell Pile Trestle Bents w/Pile Encasement
5. Ordinary High Water Elev. (OHW): 252.0 No. of Bents inside OHW Contours: 2
6. Concrete Vol. below OHW: 0 yd<sup>3</sup> Vol. Bent Excavation: 0 yd<sup>3</sup> Vol. Backfill TBD yd<sup>3</sup>
7. Is Channel Excavation below OHW Required? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
9. Is Riprap below OHW Required? Yes Volume: TBD yd<sup>3</sup>

### D. Work Road Information:

1. Is Work Road(s) required? Yes Location: TBD Top Width: TBD ft
2. Is Fill below OHW required? TBD Surface Area: TBD ft<sup>2</sup> Volume TBD yd<sup>3</sup>
3. Are Pipes required to meet Backwater Criteria? TBD Waterway Opening: \_\_\_\_\_ ft<sup>2</sup>

### E. Detour Information:

1. Is a detour bridge required? No Location in relation to Existing Br.: \_\_\_\_\_
2. Length: \_\_\_\_\_ ft Br. Rdwy. Width: \_\_\_\_\_ ft Deck Elevation: \_\_\_\_\_
3. Volume of Fill below OHW: \_\_\_\_\_ yd<sup>3</sup> Surface Area: \_\_\_\_\_ ft<sup>2</sup>

### F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):

Has Bridge Division coordinated with any outside agencies? \_\_\_\_\_

Agency	Person Contacted	Date
County	Greene County Judge	Feb. 6, 2018