




## INTEROFFICE MEMORANDUM

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May 29, 2018

**TO:** Master Files

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

**SUBJECT:** Job Number 100842  
FAP Number NHPP-0011(44)  
Little Cache River Ditch Str. & Apprs. (S)  
Route 141, Section 6  
Bridge Number M3177  
Clay 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 substandard bridge over the Little Cache River Ditch on Highway 141 in Clay County. The total length of the project is 0.246 mile. A project location map is attached.

The existing roadway consists of two 10-foot wide paved travel lanes with 4-foot wide gravel shoulders. Existing right of way width is approximately 85 feet.

The existing 29.7' x 108' bridge over the Little Cache River Ditch (M3177) consists of a concrete deck supported by timber or steel beams on timber substructure. This bridge has a sufficiency rating of 39.1 and is structurally deficient.

Proposed improvements include replacing the existing bridge on location with a 34' x 126' precast concrete bridge having four 31-foot spans on concrete filled

steel shell pile bents with pile encasements. The bridge approaches will have two 11-foot wide paved travel lanes with a 4-foot wide paved shoulder. The new average right of way width will be 150 feet. Highway 141 and County Road 278 will be closed during construction.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2019	340	5	55 mph
2039	440	5	55 mph

There are no relocations, prime farmland, hazardous materials, wetlands, environmental justice issues, or cultural resources associated with this project. Concurrence from the State Historic Preservation Officer is attached. Approximately 1.57 acres of additional right of way will be required for this project.

Stream impacts associated with the bridge replacement at Little Cache River Ditch on existing location will result in less than 0.10 acre of permanent fill. Construction of the proposed project should be allowed under the terms of a Section 404 Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82(4):1860-2008.

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 U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation website lists Indiana bat (*Myotis sodalis*), Rabbitsfoot (*Theliderma cylindrica*), and pondberry (*Lindera melissifolia*) as threatened and endangered species potentially occurring at or near the project location. The proposed project will not impact any habitat for any of the listed species and a 'no effect'

Job Number 100842  
Tier 2 Categorical Exclusion  
Page 3 of 3

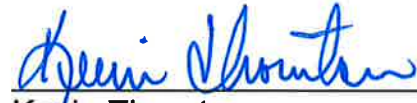
determination was made. The official USFWS species list and letter of consistency are attached.

Clay County participates in the National Flood Insurance Program. The project lies within the Zone A, Special Flood Hazard Area. The final project design will be reviewed to confirm that the design is adequate and that the potential risk to life and property are minimized. Adjacent properties should not be impacted nor have a greater flood risk than existed before construction of the project. None of the encroachments will constitute a significant floodplain encroachment or a significant risk to property or life.

Attachments:

Project Location Map  
SHPO Clearance  
USFWS Species List  
USFWS Consistency Letter  
Environmental Study Checklist  
Design Sheets

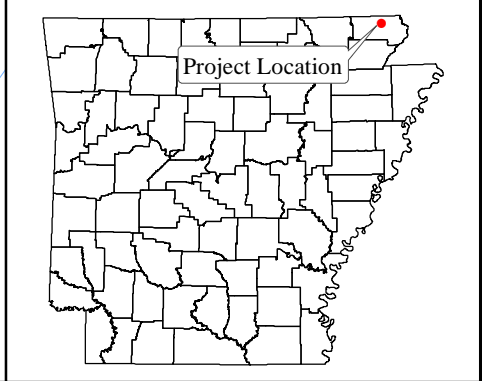
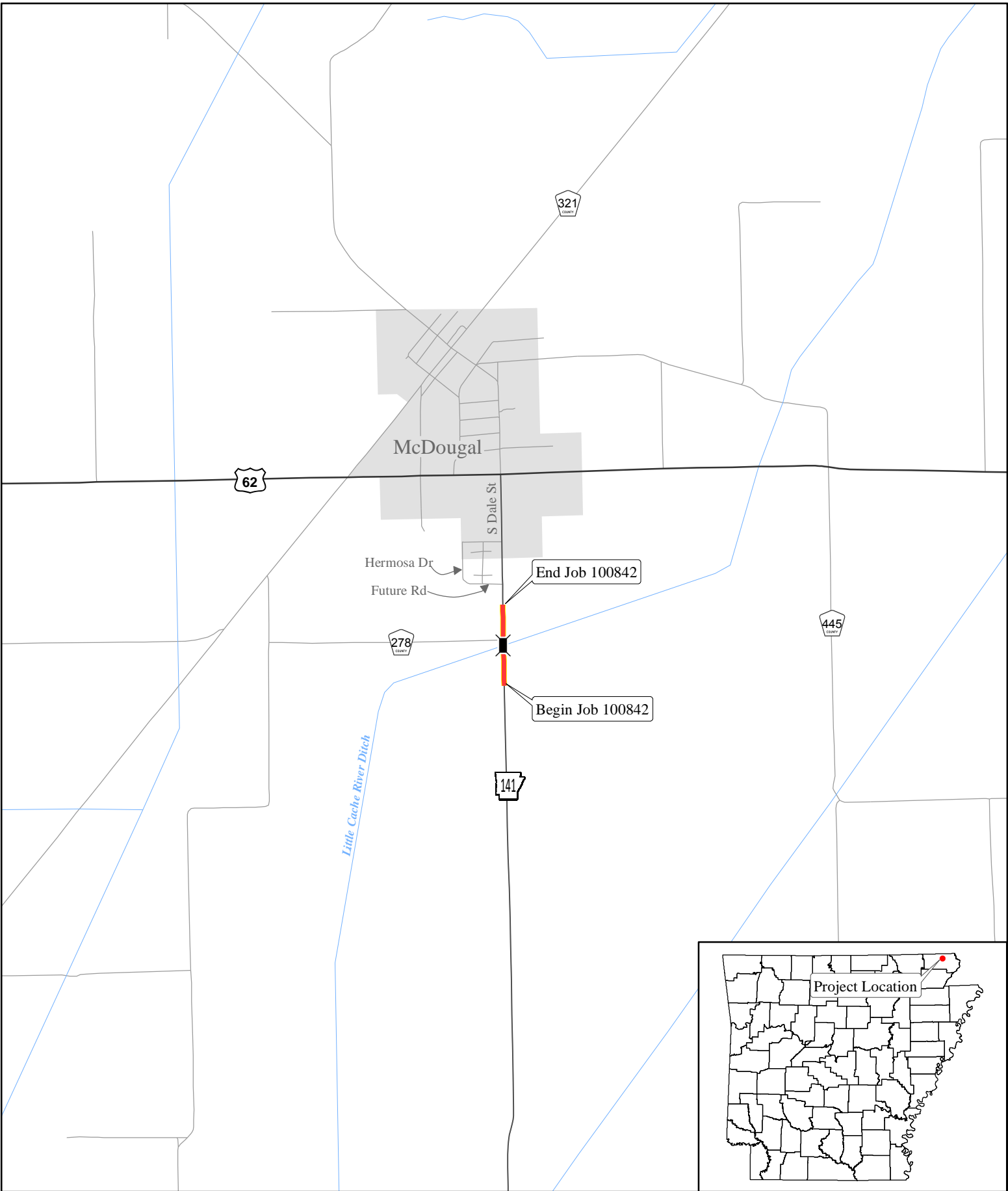
Approved:



Kevin Thornton  
Assistant Chief Engineer-Planning

JF:SL:fc

c: Program Management  
Right of Way  
Roadway  
District 10  
FHWA



**Job 100842**  
**Little Cache River Ditch**  
**Str. & Apprs. (Hwy. 141)**  
**Clay County**

 Project Location

FHW A  
10/088



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

May 4, 2018

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ARDOT

AHPP

MAY 09 2018

MAY 07 2018

ENVIRONMENTAL

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

RE: Job Number 100842  
Little Cache River Ditch Str. &  
Apprs. (S)  
Route 141, Section 6.65  
Clay County

Dear Ms. Hurst:

Please find enclosed a Project Identification Form (PIF) for the above referenced project. This project proposes to replace ARDOT Bridge M3177 in Clay County. If you have any questions or require additional information about the project, please contact Milton Hughes of my staff at 501-569-2080.

Sincerely,

for John Fleming  
Division Head  
Environmental Division

Enclosures  
PIF

JF:DW:MH:ym

Date 5/7/2018

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



## 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:

April 17, 2018

Consultation Code: 04ER1000-2018-SLI-0858

Event Code: 04ER1000-2018-E-01244

Project Name: Job 100842 Little Cache River Ditch 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/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-0858

Event Code: 04ER1000-2018-E-01244

Project Name: Job 100842 Little Cache River Ditch Str. & Apprs. (S)

Project Type: TRANSPORTATION

Project Description: Replace bridge over Little Cache River Ditch

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/36.426823804146494N90.38930788628024W>



Counties: Clay, 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.

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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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## 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: 061-12045231

April 17, 2018

Subject: Consistency letter for the 'Job 100842 Little Cache River Ditch Str. & Apprs. (S)' project (TAILS 04ER1000-2018-R-0858) 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 **Job 100842 Little Cache River Ditch Str. & Apprs. (S)** (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

Job 100842 Little Cache River Ditch Str. & Apprs. (S)

### Description

Replace bridge over Little Cache River Ditch

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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.

*Yes*

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14. Has a bridge assessment<sup>[1]</sup> been conducted **within** the last 24 months<sup>[2]</sup> to determine if the bridge is being used by bats?

[1] See [User Guide Appendix D](#) for bridge/structure assessment guidance

[2] Assessments must be completed no more than 2 years prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Consultation, regardless of whether assessments have been conducted in the past. Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that bridge/structure in subsequent years.

*Yes*

#### SUBMITTED DOCUMENTS

- *0950\_001.pdf* <https://ecos.fws.gov/ipac/project/FY6U4S3ZCZBFNCJMSICMFGPUD4/projectDocuments/12045216>

15. Did the bridge assessment detect *any* signs of bats roosting in/under the bridge (bats, guano, etc.)?

Note: There is a small chance bridge assessments for bat occupancy do not detect bats. Should a small number of bats be observed roosting on a bridge just prior to or during construction, such that take is likely to occur or does occur in the form of harassment, injury or death, the PBO requires the action agency to report the take. Report all unanticipated take within 2 working days of the incident to the USFWS. Construction activities may continue without delay provided the take is reported to the USFWS and is limited to 5 bats per project.

*No*

16. Will the bridge removal, replacement, and/or maintenance activities include installing new or replacing existing **permanent** lighting?

*No*

17. 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*

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

*No*

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

*No*

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20. 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*

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

*No*

22. 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*

23. 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 has been assessed using the criteria documented in the BA and no signs of bats were detected*

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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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## ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 100842 FAP Number NHPP-0011(44)

Job Title Little Cache River Ditch Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		During construction
Cultural Resources	X			
Economic	X			
Endangered Species	X			OSRC for IBAT SP
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		Temporary during construction
Floodplains	X			Floodplain SP required
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			
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			Offsite WHPA SP required
Relocatees	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts		X		
Water Quality		X		Temporary during construction
Wetlands	X			Nationwide 14
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? N

Short-term Activity Authorization Required? Y

Section 404 Permit Required? Y Type NW14

Remarks: \_\_\_\_\_

Signature of Evaluator Sherry LeBlanc Date May 29, 2018

**ROADWAY DESIGN REQUEST**Job Number 100842 FAP No. \_\_\_\_\_ County ClayJob Name Little Cache River Ditch Strs. & Apprs. (S)Design Engineer Stephen Sichmeller Environmental Staff \_\_\_\_\_Brief Project Description Replacement of a bridge

## A. Existing Conditions:

Roadway Width: 22' Shoulder Type/Width: 4'Number of Lanes and Width: 2 @10' Existing Right-of-Way: 85'Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_Bike Lanes? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

## B. Proposed Conditions:

Roadway Width: 30' Shoulder Type/Width: 4' PavedNumber of Lanes and Width: 2 @ 11' Proposed Right-of-Way: 150Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_Bike Lanes? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

## C. Construction Information:

If detour: Where: N/A Length: N/A

## D. Design Traffic Data:

2019 ADT: 340 2039 ADT: 440 % Trucks: 5  
Design Speed: 55 m.p.h.E. Approximate total length of project: .246 mile(s)F. Justification for proposed improvements: Bridge is structurally deficientG. Total Relocates: 0 Residences: 0 Businesses: 0H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? Yes

Agency/Official	Person Contacted	Date
Clay County	Mike Patterson	3-2-2018

## BRIDGE INFORMATION – PRELIMINARY

Job Number: 100842 FAP Number: Z001-0011-044 County: Clay  
 Job Name: Little Cache River Ditch Str. & Apprs. (S)  
 Design Engineer: Steven Peyton Environmental Staff: Sherry Leblanc & Ben Thesing

**A. Description of Existing Bridge:**

1. Bridge Number M3177 over Little Cache River Ditch
2. Location: Rte.: 141 Section: 6 Log Mile: 6.65
3. Length: 108 ft Br. Rdwy. Width: 28.2 ft Deck Width (Out-to-Out): 29.7 ft
4. Type Construction: Concrete Deck Supported by Timber or Steel Beams on Timber Substructure
5. Deficiencies: Decaying Timber Beams and Piles
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 39.1
7. Are any Condition Component Ratings at 3 or less? Yes, Substructure

**B. Proposed Improvements:**

1. Length: 126.33 ft Br. Rdwy. Width: 31.5 ft Deck Width (Out-to-Out): 34.0 ft
2. Travel Lanes: 2 @ 11.0' Width
3. Shoulder Width: 4' each side
4. Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_ ft

**C. Construction Information:**

1. Location in relation to existing bridge: Same Location
2. Superstructure Type: Precast Concrete Spans
3. Span Lengths: 4 @ 31.0'
4. Substructure Type: Concrete Filled Steel Shell Pile Bents w/ Pile Encasement
5. Ordinary High Water Elev. (OHW): 283.0 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 0 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? No Volume: \_\_\_\_\_ 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: \_\_\_\_\_ ft<sup>2</sup> Volume \_\_\_\_\_ 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? No

Agency	Person Contacted	Date