



September 6, 2017

Mr. Angel Correa  
Division Administrator  
Federal Highway Administration  
700 West Capitol, Room 3130  
Little Rock, Arkansas 72201-3298

Re: Job Number 050341  
FAP Number NHPP-0012(34)  
Bridge Numbers 00866 and 00867  
Mill & Piney Creek Strs. & Apprs. (S)  
Cleburne County  
Tier 3 Categorical Exclusion

Dear Mr. Correa:

The Environmental Division has reviewed the referenced project and it falls within the definition of the Tier 3 Categorical Exclusion as defined by the ARDOT/FHWA Memorandum of Agreement on the processing of Categorical Exclusions. The following information is included for your review and, if acceptable, approval as the environmental documentation for this project.

The purpose of this project is to replace two existing bridges on Highway 25 with a new box culvert over Mill Creek (Site 1) and a new bridge over Piney Creek (Site 2). Site 1 is located within the City of Quitman, and Site 2 is located approximately 2.5 miles northeast of Quitman in Cleburne County. The combined length of both projects is 0.30 mile. A project location map is enclosed. A public involvement will be held for this project.

The existing roadway consists of two 11-foot wide paved travel lanes with 2-foot wide paved shoulders. The existing right of way width averages 94 feet for Site 1 and 82 feet for Site 2. Information about the existing structures is provided in Table 1.

Proposed roadway improvements will include two 12-foot wide paved travel lanes with 8-foot wide paved shoulders. New right of way width will average 158 feet for Site 1 and 140 feet for Site 2. Approximately 0.38 acre of new right of way will be needed for Site 1 and 1.87 acres for Site 2. Information about the proposed structures is provided in Table 2.

Table 1		
Bridge Number	Stream	Existing Structure
00867	Mill Creek	26' x 70' continuous concrete arched slab spans (3 spans total) supported by concrete wall columns and concrete vertical wall abutments all on spread footings. The structure is considered functionally obsolete with a sufficiency rating of 44.7.
00866	Piney Creek	26' x 137' steel reinforced concrete deck girder (four spans total) supported by concrete columns on spread footings and concrete vertical wall abutments on spread footing. The bridge was widened with a concrete slab on steel beams supported by a widened concrete substructure. The structure is considered functionally obsolete with a sufficiency rating of 48.5.

Table 2	
Stream	Proposed Structure
Mill Creek	A quintuplet 11' x 6' x 60' steel reinforced concrete box culvert on existing location. The Mill Creek box culvert will have a detour road 40 feet upstream.
Piney Creek	A 43' x 166' continuous composite integral W-beam unit having three spans (50'-65'-50') with trestle pile end bents on steel H-piles, on multi-column intermediate bents on drilled shafts. The Piney Creek bridge will be built 40 feet upstream of the existing structure.

Design data for this project is as follows:

Mill Creek (Site 1)			
Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2017	10,600	11	35 mph
2037	13,800	11	35 mph
Piney Creek (Site 2)			
Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2017	4,800	11	55 mph
2037	6,300	11	55 mph

There are no wellhead protection areas, relocatees, or Environmental Justice issues associated with this project. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is enclosed. Field inspections found no evidence of existing underground storage tanks or hazardous waste deposits. Approximately 0.05 acre of Prime Farmland will be converted to highway right of way. A completed U.S. Department of Agriculture Form NRCS-CPA-106 is enclosed.

Construction of this project will replace the existing Mill Creek Bridge, located at Station 110+39, with a quintuple concrete box culvert. A detour will be constructed on the south (upstream) side of the existing structure. Construction of the detour will temporarily impact less than 0.1 acre of herbaceous wetlands that are located adjacent to Mill Creek. Mill Creek is classified as an intermittent stream. Impacts to Mill Creek are estimated to be less than 0.1 acre.

Construction of this project will replace the existing Piney Creek Bridge, located at Station 505+29, with a new bridge on new location. The new bridge will be constructed on the east (upstream) side of the existing structure. No detour will be required; the existing roadway will serve as the detour road. Piney Creek is classified as an intermittent stream. Impacts to Piney Creek are estimated to be less than 0.1 acre. No wetlands will be impacted due to construction of the new bridge. Construction of this project should be covered under the terms of a Nationwide Permit 14 for Linear Transportation Projects as defined in the Federal Register 82 (4)1860 - 2008.

The United States Fish and Wildlife Service (USFWS) IPaC database identified two endangered and one threatened species that could be located within the project boundaries. The Northern long-eared bat (*Myotis septentrionalis*), Gray bat (*Myotis grisescens*), and the Indiana bat (*Myotis sodalis*) were identified as listed species that may occur within the project area. Based on the location of the action, the minimal habitat being affected, and the distance to any known species locations, it has been determined that the project may, but is not likely to adversely affect the Gray bat and the Indiana bat. The Northern long-eared bat will be covered under the USFWS programmatic biological opinion for the final 4(d) rule dated January 5, 2016. The programmatic biological opinion satisfies the “action agency” responsibilities under ESA Site 7(a)(2). Concurrence from the USFWS was received on July 25, 2017 and is enclosed.

Cleburne County participates in the National Flood Insurance Program. All of the floodplain encroachments within this bridge construction project will be designed to comply with the county’s local flood damage prevention ordinance. The project lies within 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. Mill Creek will be designed to meet a no rise condition for the 100-year storm event. Piney Creek has no insurable structures and can be designed for up to a 1-foot increase in the 100-year event.

Based upon the ARDOT’s *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. The replacement of a bridge on existing location does not involve


Job Number 050341  
Tier 3 Categorical Exclusion  
Page 4 of 4

added capacity or exposes noise sensitive land uses to a new or existing highway noise source. In compliance with Federal guidelines, local authorities will not require notification.

If you have any questions, please contact the Environmental Division at 569-2281.

Sincerely,

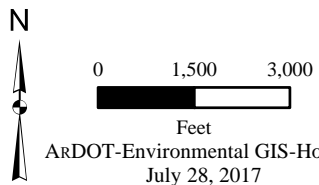
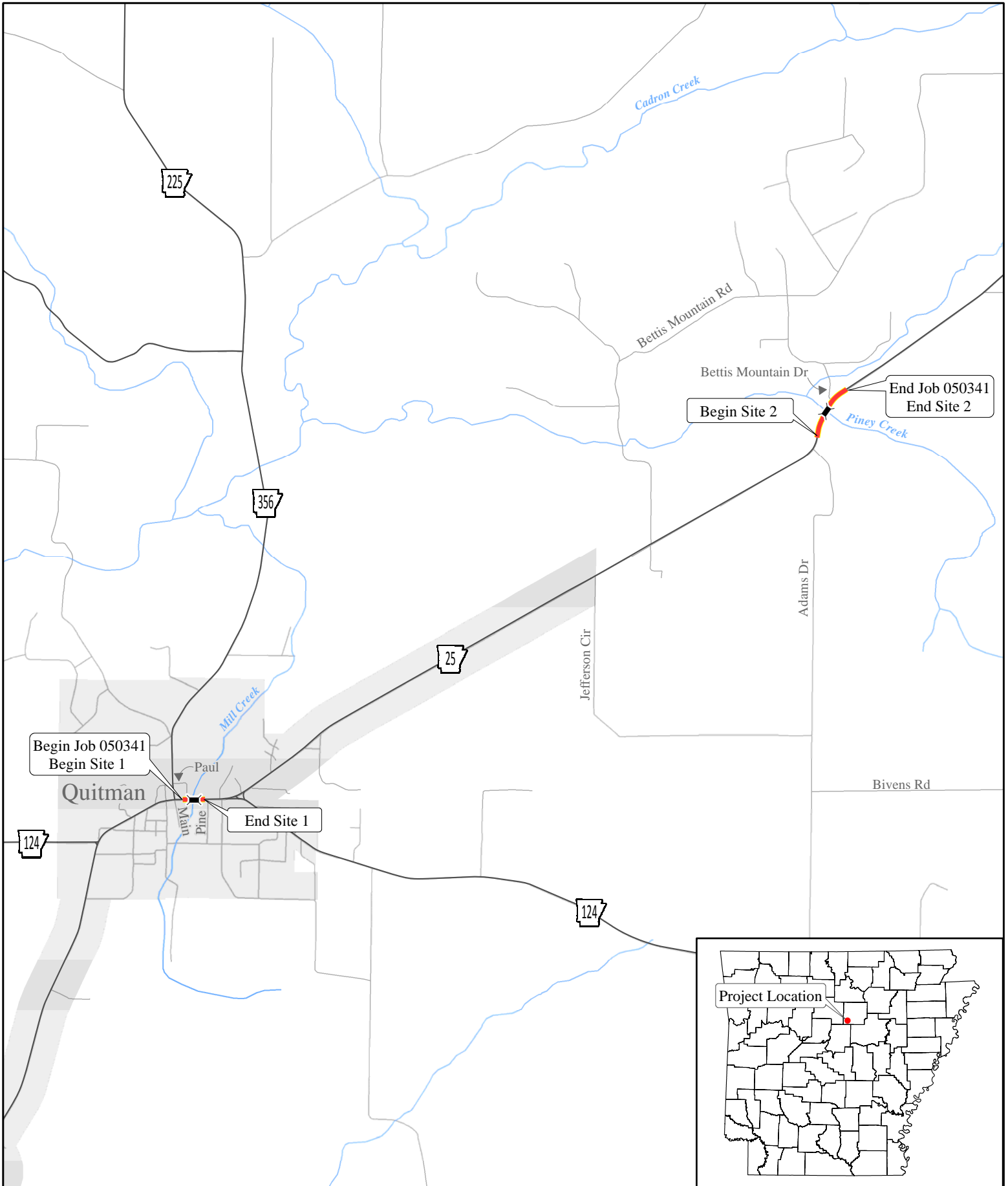
**APPROVED**  
  
Environmental Specialist  
Federal Highway Administration  
Date: 9-12-2017

  
for John Fleming  
Division Head  
Environmental Division

Enclosures

JF:TT:fc

c: Program Management  
Right of Way  
Roadway Design  
Bridge Design  
District 5  
Master File



**Job 050341**  
**Mill & Piney Creek**  
**Strs. & Apprs. (Hwy. 25)**  
**Cleburne 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

97127.01  
FHWA

August 15, 2017

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

RECEIVED  
AHTD

AHPP

AUG 16 2017

AUG 21 2017

ENVIRONMENTAL  
DIVISION

RE: ARDOT Job No. 050341  
Mill & Piney Creek Strs. & Apprs. (S)  
Cleburne County

Dear Ms. Hurst:

Enclosed for your review is a Project Identification Form regarding the above referenced project. Please provide your effect finding as soon as possible. If you have any questions, contact Richard Jenkins of my staff at 569-2357.

Sincerely,

for John Fleming  
Division Head  
Environmental Division

Enclosure  
PIF

JF:DW:RJ:ym

Date

8/16/2017

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

AUG 16 2017

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

<b>PART I (To be completed by Federal Agency)</b> Job 050341		3. Date of Land Evaluation Request 8/9/17	4. Sheet 1 of 1
1. Name of Project Mill & Piney Cr. Strs. & Apprs. (S)		5. Federal Agency Involved FHWA	
2. Type of Project Bridge Replacements		6. County and State Cleburne, AR.	
<b>PART II (To be completed by NRCS)</b>		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	

<b>PART III (To be completed by Federal Agency)</b>	<b>Alternative Corridor For Segment</b>			
	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres To Be Converted Directly	0.05			
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor	4.29			

<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres Prime And Unique Farmland	0.05			
B. Total Acres Statewide And 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 Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)**

<b>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</b>	Maximum Points	Corridor A	Corridor B	Corridor C	Corridor D
1. Area in Nonurban Use	15	15			
2. Perimeter in Nonurban Use	10	10			
3. Percent Of Corridor Being Farmed	20	5			
4. Protection Provided By State And Local Government	20	0			
5. Size of Present Farm Unit Compared To Average	10	3			
6. Creation Of Nonfarmable Farmland	25	0			
7. Availability Of Farm Support Services	5	5			
8. On-Farm Investments	20	5			
9. Effects Of Conversion On Farm Support Services	25	0			
10. Compatibility With Existing Agricultural Use	10	0			
<b>TOTAL CORRIDOR ASSESSMENT POINTS</b>	<b>160</b>	<b>43</b>			

<b>PART VII (To be completed by Federal Agency)</b>	Corridor A	Corridor B	Corridor C	Corridor D
Relative Value Of Farmland (From Part V)	100	100		
Total Corridor Assessment (From Part VI above or a local site assessment)	160	43		
<b>TOTAL POINTS (Total of above 2 lines)</b>	<b>260</b>	<b>143</b>		

1. Corridor Selected: Location adjacent to existing.	2. Total Acres of Farmlands to be Converted by Project: 0.05 acres of Prime Farmland	3. Date Of Selection: August 9, 2017	4. Was A Local Site Assessment Used?  YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:  
Best location for bridge replacement

Signature of Person Completing this Part: John Baber	DATE: August 9, 2017 
NOTE: Complete a form for each segment with more than one Alternate Corridor	



IN REPLY REFER TO

# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Arkansas Ecological Service Field Office  
110 South Amity Road, Suite 300  
Conway, Arkansas 72032



July 25, 2017

Bill Bailey  
Arkansas Highway & Transportation Department  
10324 Interstate 30  
Little Rock, AR 72209

Dear Mr. Bailey,

The Service has reviewed your assessment and determinations for AHTD Job Number 050341. Based on the location of this action, the minimal habitat being affected, and the distance to any known species locations, the Service agrees with your assessment and concurs with your determination for Gray Bat and Indiana Bat.

Furthermore, the Service has reviewed your determination that the proposed action will not result in any prohibited incidental take for Northern Long-eared Bat. This project may affect the Northern Long-eared Bat; however, there are no effects beyond those previously disclosed in the Service's programmatic biological opinion for the final 4(d) rule dated January 5, 2016. Any taking that may occur incidental to this project is not prohibited under the final 4(d) rule (50 CFR §17.40(o)). This project is consistent with the description of the proposed action in the programmatic biological opinion, and the 4(d) rule does not prohibit incidental take of the Northern Long-eared Bat that may occur as a result of this project. Therefore, the programmatic biological opinion satisfies the "action agency" responsibilities under ESA section 7(a)(2) relative to the Northern Long-eared Bat for this project.

Please keep in mind that you must report any departures from the plans submitted; results of any surveys conducted; or any dead, injured, or sick Northern Long-eared Bats that are found to this office. If this project is not completed within one year of this letter, you must update your determination and resubmit the required information.

Furthermore, due to the limited size of the area being cleared, proximity to the existing right-of-way, minimal adjacent habitat being disturbed, minimal ground disturbance, and distance to known species locations; the Service has no concerns or recommendations to provide as further technical assistance related to this action for any other species. No further action is required at this time.



Mr. Bill Bailey

For further assistance or if you have any questions, please contact Lindsey Lewis at (501) 513-4489 or [lindsey\\_lewis@fws.gov](mailto:lindsey_lewis@fws.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Melvin L. Tobin', with a stylized flourish at the end.

Melvin L. Tobin  
Field Supervisor



## 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:

July 25, 2017

Consultation Code: 04ER1000-2017-SLI-1034

Event Code: 04ER1000-2017-E-01527

Project Name: Mill & Piney Creek Strs. & Apprs.

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](http://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

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## Project Summary

Consultation Code: 04ER1000-2017-SLI-1034

Event Code: 04ER1000-2017-E-01527

Project Name: Mill & Piney Creek Strs. & Apprs.

Project Type: TRANSPORTATION

Project Description: replace the bridge over Mill Creek with a quintuple box culvert and replace the bridge over Piney Creek with a new bridge on new location, 0.6 acres of trees cleared

Project Location:

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

<https://www.google.com/maps/place/35.39800395951201N92.18355422548811W>



Counties: Cleburne, 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. 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
Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6329">https://ecos.fws.gov/ecp/species/6329</a>	Endangered
Indiana Bat <i>Myotis sodalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

### 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 050341 FAP Number NHPP-0012(34)  
 Job Title Mill & Piney Creek Strs. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary
Cultural Resources	X			SHPO concurrence attached
Economic	X			
Endangered Species	X			USFWS concurrence 7/25/2017
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		During construction
Floodplains		X		
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds		X		Migratory Bird SP included
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland		X		0.05 acres, NRCS Form attached
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		During construction
Water Quality		X		During construction
Wetlands		X		Less than 0.1 acre herb. wetlands
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? No  
 Short-term Activity Authorization Required? Yes  
 Section 404 Permit Required? Yes Type NW14

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

Signature of Evaluator  Date August 31, 2017



## ROADWAY DESIGN REQUEST

Job Number 050341 FAP No. \_\_\_\_\_ County Cleburne

Job Name Mill & Piney Creek Strs. & Apprs. (S)

Design Engineer Stephen Sichmeller Environmental Staff \_\_\_\_\_

Brief Project Description Replacement of 2 bridges

**A. Existing Conditions:**

Roadway Width: 22' Shoulder Type/Width: Paved/2'

Number of Lanes and Width: 2-11' Existing Right-of-Way Site 1: 94'  
Existing Right-of-Way Site 2: 82'

Sidewalks? No

Bike Lanes? No

**B. Proposed Conditions:**

Roadway Width: 24' Shoulder Type/Width: Paved/8'

Number of Lanes and Width: 2-12' Proposed Right-of-Way Site 1: 158'  
Proposed Right-of-Way Site 2: 140'

Sidewalks? No

Bike Lanes? No

**C. Construction Information:**

If detour: Where: Site 1-Mill Creek Length: 569.64'

**D. Design Traffic Data:**

Site 1:

2017 ADT: 10,600 2037 ADT: 13,800 % Trucks: 11

Design Speed: 35 m.p.h.

Site 2:

2017 ADT: 4,800 2037 ADT: 6,300 % Trucks: 11

Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.3 mile(s)

F. Justification for proposed improvements: Bridges are functionally obsolete

G. Total Relocatees: 0 Residences: 0 Businesses: 0

H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? No

Agency/Official	Person Contacted	Date

Date Submitted to Environmental Division: 8/1/17

## BRIDGE INFORMATION - FINAL

Job Number: 050341 FAP Number: NHPP-0012(34) County: Cleburne

Job Name: Mill & Piney Creek Strs. & Apprs. (S)

Design Engineer: Stephen Sichmeller (Roadway) Environmental Staff: Terry Tucker/Bill Bailey

### **A. Description of Existing Bridge:**

1. Bridge Number: 00867 over Mill Creek
2. Location: Rte.: 25 Section: 2 Log Mile: 1.82
3. Length: 70.0 ft Br. Rdwy. Width: 24.0 ft Deck Width (Out-to-Out): 26.5 ft
4. Type Construction: Continuous concrete arched slabs spans (three spans total) supported by concrete wall columns on a spread footing and concrete vertical wall abutments on a spread footing.
5. Deficiencies: Inadequate roadway width.
6. HBRRP Eligibility: Qualif. Code: FO Sufficiency Rating: 44.7
7. Are any Condition Component Ratings at 3 or less? No.

### **B. Proposed Improvements:**

To be replaced with box culvert, contact Roadway Division for information.

**BRIDGE INFORMATION - PRELIMINARY**

Job Number: 050341 FAP Number: NHPP-0012(34) County: Cleburne

Job Name: Mill & Piney Creek Strs. & Apprs. (S)

Design Engineer: Kyle Yeary Environmental Staff: Terry Tucker/Bill Bailey

**A. Description of Existing Bridge:**

1. Bridge Number: 00866 over Piney Creek
2. Location: Rte.: 25 Section: 2 Log Mile: 5.28
3. Length: 137.0 ft Br. Rdwy. Width: 24.0 ft Deck Width (Out-to-Out): 26.1 ft
4. Type Construction: Reinforced concrete deck girders (four spans total) supported by concrete columns on spread footings and concrete vertical wall abutments on a spread footing. Bridge was widened with a concrete slab on steel beams supported by a widened concrete substructure.
5. Deficiencies: Inadequate roadway width.
6. HBRRP Eligibility: Qualif. Code: FO Sufficiency Rating: 48.5
7. Are any Condition Component Ratings at 3 or less? No.

**B. Proposed Improvements:**

1. Length: 166.0 ft Br. Rdwy. Width: 40.0 ft Deck Width (Out-to-Out): 43.2 ft
2. Travel Lanes: Two 12' travel lanes.
3. Shoulder Width: 8' shoulders both sides of roadway.
4. Sidewalks? No. Location: N/A Width: N/A ft

**C. Construction Information:**

1. Location in relation to existing bridge: Approximately 40' upstream.
2. Superstructure Type: Continuous composite integral w-beam unit.
3. Span Lengths: 50'-65'-50'
4. Substructure Type: Trestle pile end bents on steel h-piles, multi-column intermediate bents on drilled shafts.
5. Ordinary High Water Elev. (OHW): 578 No. of Bents inside OHW Contours: 0
6. Concrete Volume 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: N/A ft<sup>2</sup> Volume: N/A yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No. Surface Area: N/A ft<sup>2</sup> Volume: N/A yd<sup>3</sup>
9. Is Riprap below OHW required? No. Volume: N/A 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: TBD ft<sup>2</sup>

**E. Detour Information:**

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