



ARKANSAS DEPARTMENT OF TRANSPORTATION

[ArDOT.gov](http://ArDOT.gov) | [IDriveArkansas.com](http://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

April 23, 2018

Mr. Peter Jilek  
Acting Division Administrator  
Federal Highway Administration  
700 West Capitol, Room 3130  
Little Rock, Arkansas 72201-3298

Re: Job Number 061460  
FAP Number NHPP-0030(22)  
Hwy. 84 Strs. & Apprs. (Oak Grove)  
(S)  
Bridge Numbers M1572 & M1573  
Route 84, Section 6  
Hot Spring County  
Tier 3 Categorical Exclusion

Dear Mr. Jilek:

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 structurally deficient bridges at two sites on Highway 84 in Hot Spring County. The total project length is approximately 0.4 mile. A project location map is enclosed.

Bridge Number M1572 at Site 1 has a 54' x 24' concrete deck on timber beams supported by timber pile bents with timber caps. The bridge has a sufficiency rating of 16.0 and is structurally deficient. It will be replaced with a quadruple barrel 10' x 8' x 56' reinforced concrete box culvert.

Bridge Number M1573 at Site 2 has a 48' x 24' concrete deck on timber beams supported by timber pile bents with timber caps. The bridge has a sufficiency rating of 43.2 and is structurally deficient. It will be replaced with a quadruple barrel 11' x 7' x 60' reinforced concrete box culvert.

The existing bridge approaches have two 10' wide travel lanes with no shoulders. The proposed project will widen the travel lanes to 12' and add 6' wide shoulders (2' paved).

Both bridges will be replaced on existing location and require the construction of detour roads on the downstream (south) side of the highway. The detour road length will be 791' for Site 1 and 908' for Site 2. The proposed project will require a total of approximately 0.8 acre of additional right of way and 1.2 acre of temporary construction easement. The average existing right of way width varies from approximately 80' to 100'. The average proposed right of width will be approximately 180'.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2020	1,500	8	55 mph
2040	2,000	8	55 mph

There are no wetlands, public water supplies, environmental justice issues, or cultural resources associated with this project. State Historic Preservation Officer clearance is enclosed. Approximately 0.36 acre of Prime Farmland will be converted to highway right of way. Form NRCS-CPA-106 for Farmland Conversion is enclosed.

Hot Spring County participates in the National Flood Insurance Program. The project lies within Zone A, Special Flood Hazard Area. The final project design will be reviewed to confirm 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 project construction. None of the encroachments will constitute a significant floodplain encroachment or a significant risk to property or life.

Bridge replacement on existing location does not add capacity or expose noise sensitive land uses to a new highway noise source. A noise analysis is therefore not required for this project, based on ARDOT's *Policy on Highway Traffic Noise Abatement*. In compliance with federal guidelines, local authorities will also not require notification.

A species list from the US Fish and Wildlife Service (USFWS) Information for Planning and Consultation website identified the following federally-listed species as potentially affected by the proposed project: the northern long-eared bat (*Myotis septentrionalis*), Piping Plover (*Charadrius melodus*), Arkansas Fatmucket (*Lampsilis powellii*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pick Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Spectaclecase (*Margaritifera monodonta*), Winged Mapleleaf (*Quadrula fragosa*), and Missouri bladderpod (*Physaria filiformis*).


Based on the location of known roost trees and distance to known species, it has been determined that the project 'may affect, but is not likely to adversely affect', the northern long-eared bat. The northern long-eared bat will be covered under the USFWS Final 4(d) Rule and Programmatic Biological Opinion dated January 5, 2016. It has been determined that the project will have 'no effect' on the Piping Plover and Missouri bladderpod due to the lack of habitat and distance to known species. Based on studies conducted by Peck (2010) and the implementation of erosion control, best management practices, and a storm water management plan, it has been determined that the project 'may affect, but is not likely to adversely affect', the Arkansas Fatmucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot, Spectaclecase, and Winged Mapleleaf. The USFWS concurrence and species list are enclosed.

The Site 1 detour road will impact approximately 160 linear feet of stream. Stream mitigation credits will be calculated using the Little Rock Stream Method and impacts will be mitigated at the Upper Saline Mitigation Bank Site. Construction of this project should be allowed under the terms of Nationwide Permit 14 for Linear Transportation Projects as defined in the Federal Register 82(4):1860 – 2008.

Please contact the Environmental Division at 569-2281 if you have any questions.

**APPROVED**  
  
Environmental Specialist  
Federal Highway Administration  
Date: 4/24/2018

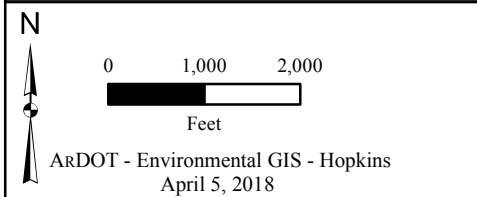
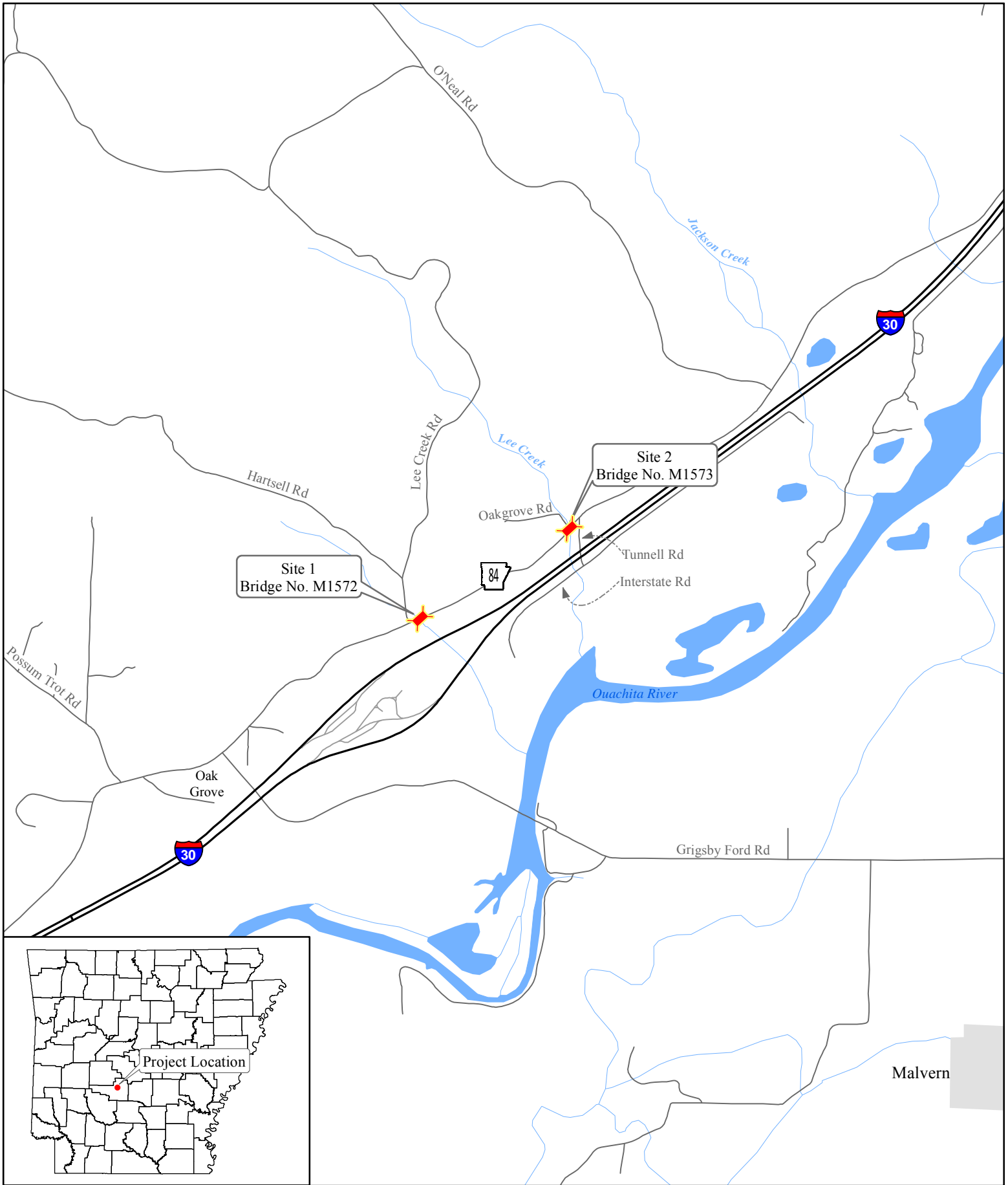
Sincerely,

  
for John Fleming  
Division Head  
Environmental Division

Enclosures

JF:MP:fc

c: Program Management  
Right of Way  
Roadway Design  
Bridge  
District 6  
Master File



Job 061460  
Hwy. 84 Strs. & Apprs.  
(Oak Grove)  
Hot Spring County

 Project Location

ARKANSAS STATE HIGHWAY  
AND  
TRANSPORTATION DEPARTMENT

97805.41  
FHWA

Scott E. Bennett, P.E.  
Director  
Telephone (501) 569-2000  
Voice/TTY 711



P.O. Box 2261  
Little Rock, Arkansas 72203-2261  
Telefax (501) 569-2400  
www.arkansashighways.com

AHPP

MAY 08 2017

May 1, 2017

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

RE: AHTD Job No. 061460  
Hwy. 84 Strs. & Apprs. (S)  
Hot Spring County

Dear Ms. Hurst:

A Project Identification Form for the referenced project is enclosed. Please review for concurrence with the findings of my staff. If you have any questions or require additional information, please contact Jason Eads of my staff at (501) 569-2181.

Sincerely,

A handwritten signature in blue ink that reads 'John Fleming'.

John Fleming  
Division Head  
Environmental Division

Enclosure  
PIF

JF:DW:JE:ym

RECEIVED  
AHTD

MAY 08 2017

ENVIRONMENTAL  
DIVISION

Date MAY 03 2017

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

A handwritten signature in blue ink that reads 'Frances McEwan'.

Frances McEwan, Deputy State  
Historic Preservation Officer

MAY 03 2017

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

<b>PART I (To be completed by Federal Agency)</b> Job 061460		3. Date of Land Evaluation Request 4/6/18	4. Sheet 1 of _____
1. Name of Project Hwy 84 Strs. & Apprs		5. Federal Agency Involved FHWA	
2. Type of Project Bridge Replacement		6. County and State Hot Spring 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

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

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	0.36			
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)**

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
1. Area in Nonurban Use	15	15			
2. Perimeter in Nonurban Use	10	10			
3. Percent Of Corridor Being Farmed	20	5			
4. Protection Provided By State And Local Government	20	0			
5. Size of Present Farm Unit Compared To Average	10	0			
6. Creation Of Nonfarmable Farmland	25	0			
7. Availability Of Farm Support Services	5	5			
8. On-Farm Investments	20	0			
9. Effects Of Conversion On Farm Support Services	25	0			
10. Compatibility With Existing Agricultural Use	10	0			
<b>TOTAL CORRIDOR ASSESSMENT POINTS</b>	<b>160</b>	<b>35</b>			

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	100			
Total Corridor Assessment (From Part VI above or a local site assessment)	160	35			
<b>TOTAL POINTS (Total of above 2 lines)</b>	<b>260</b>	<b>135</b>			

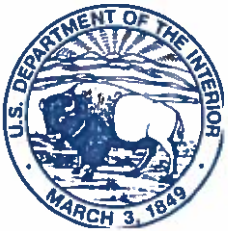
1. Corridor Selected: <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing Location Adjacent to existing	2. Total Acres of Farmlands to be Converted by Project: 0.36 acres of Prime Farmland	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	-----------------------	--

5. Reason For Selection:

Signature of Person Completing this Part: *Jim B...* DATE: 4/20/18

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



October 5, 2017

Mr. John Fleming  
c/o Josh Seagraves  
Arkansas Department of Transportation  
10324 Interstate 30  
Little Rock, Arkansas 72209

Consultation Code: 04ER1000-2018-I-0009

Dear Mr. Fleming,

The U. S. Fish and Wildlife Service (Service) has reviewed your assessment and determinations for Arkansas Department of Transportation (ARDOT) Project Number 061460ES/TS (Hwy. 84 Strs. & Apprs. (Oak Grove)), Hot Spring County, Arkansas. The project was described and assessed as follows (abbreviated):

The project will replace two drainage structures on Hwy. 84 in Hot Spring County (AR). The project is located near the community of Social Hill. The Service IPaC database determined that 4 endangered species and 5 threatened species may occur within the project area. The Northern Long-eared Bat, Piping Plover, Arkansas Fatmucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot Mussel, Spectaclecase Mussel, Winged Mapleleaf, and Missouri Bladderpod may be located within the construction limits of the proposed project.

Based on the location of known roost trees and distance to known species, it is our determination that the project may, but not likely to adversely affect the Northern Long-eared Bat. The project should conform to the final 4(d) rule for Northern Long-eared Bats based on the intra-service biological opinion dated January 5, 2016. Based on the lack of habitat and distance to known species, it is our determination that the project will have no effect on the Piping Plover and Missouri Bladderpod.

A study conducted by Peck (2010) investigated the effects of a similar bridge replacement project completed by ARDOT on freshwater mussel communities in the Saline River, Arkansas. Based on the results of the Peck (2010) study, it is expected that the construction and demolition activities associated with this project may result in a slight increase in fine sediments; however, those increases are not likely to result in changes to the physiological condition of the mussels or changes in mussel community metrics. The project will implement erosion control, best management practices, and a storm water management plan. Based on this information, it is our determination that the project may, but is not likely to adversely affect the following species: Arkansas Fatmucket, Ouachita Rock

Pocketbook, Pink Mucket, Rabbitsfoot Mussel, Spectaclecase Mussel and the Winged Mapleleaf.

Based on the location of this action, the minimal forested habitat being affected, the distance to known species locations and hibernacula, and application of standard sediment and erosion controls; the Service agrees with your assessment and concurs with your determinations for Arkansas Fatmucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot Mussel, Spectaclecase Mussel, and the Winged Mapleleaf. No further consultation regarding these species is necessary at this time.

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 take 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.

Additionally, 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 identified for this area. No further action is required at this time.

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,



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:

September 25, 2017

Consultation Code: 04ER1000-2017-SLI-1371

Event Code: 04ER1000-2017-E-01987

Project Name: Hwy. 84 Strs. & Apprs. (Oak Grove)

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

---

## Project Summary

Consultation Code: 04ER1000-2017-SLI-1371  
Event Code: 04ER1000-2017-E-01987  
Project Name: Hwy. 84 Strs. & Apprs. (Oak Grove)  
Project Type: TRANSPORTATION  
Project Description: replace two drainage structures

Project Location:

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

<https://www.google.com/maps/place/34.35779858482597N92.88270370946339W>



Counties: Hot Spring, AR

---

## Endangered Species Act Species

There is a total of 9 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
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

### Birds

NAME	STATUS
Piping Plover <i>Charadrius melodus</i> Population: except Great Lakes watershed There is <b>final designated</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened

---



## Clams

NAME	STATUS
Arkansas Fatmucket <i>Lampsilis powellii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/2213">https://ecos.fws.gov/ecp/species/2213</a>	Threatened
Ouachita Rock Pocketbook <i>Arkansia wheeleri</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4509">https://ecos.fws.gov/ecp/species/4509</a>	Endangered
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a>	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is <b>final designated</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
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7867">https://ecos.fws.gov/ecp/species/7867</a>	Endangered
Winged Mapleleaf <i>Quadrula fragosa</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4127">https://ecos.fws.gov/ecp/species/4127</a>	Endangered

## Flowering Plants

NAME	STATUS
Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5361">https://ecos.fws.gov/ecp/species/5361</a>	Threatened

## Critical habitats

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

---

## ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 061460 FAP Number NHPP-0030(22)

Job Title Hwy. 84 Strs. & Apprs. (Oak Grove) (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary
Cultural Resources	X			SHPO clearance enclosed
Economic	X			
Endangered Species		X		USFWS concurrence received 10/2017; letter and species list enclosed
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		Temporary during construction
Floodplains		X		Zone A, Special Flood Hazard Area
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts		X		0.8 acre ROW; 1.2 acre TCE
Migratory Birds		X		Migratory Bird SP added
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland		X		0.4 acre Prime Farmland
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			
Relocations	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts		X		Site 1 detour road will require stream relocation and mitigation
Water Quality		X		Temporary during construction
Wetlands	X			
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 Mary J. Pearson Date April 20, 2018

Date Sent: April 4, 2018

## ROADWAY DESIGN REQUEST

Job Number 061460 FAP No. NHPP-0030(22) County Hot Spring

Job Name Hwy. 84 Strs. & Apprs. (Oak Grove) (S)

Design Engineer Mark Earl Environmental Staff \_\_\_\_\_

Brief Project Description Bridge replacement

A. Existing Conditions:

Roadway Width: 20' Shoulder Type/Width: none

Number of Lanes and Width: 2-10' Existing Right-of-Way: 80'-100'

Sidewalks? no Location: \_\_\_\_\_ Width: \_\_\_\_\_

Bike Lanes? no Location: \_\_\_\_\_ Width: \_\_\_\_\_

B. Proposed Conditions:

Roadway Width: 24' Shoulder Type/Width: 6'(2' paved, 4' agg.)

Number of Lanes and Width: 2-12' Proposed Right-of-Way: 180'

Sidewalks? no Location: \_\_\_\_\_ Width: \_\_\_\_\_

Bike Lanes? no Location: \_\_\_\_\_ Width: \_\_\_\_\_

C. Construction Information:

If detour: Where: On site Length: 791' and 908'

D. Design Traffic Data:

2020 ADT: 1500 2040 ADT: 2000 % Trucks: 8

Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.038 mile(s)

F. Justification for proposed improvements: Structurally deficient

G. Total Relocates: 0 Residences: 0 Businesses: 0

H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? Yes

Agency/Official	Person Contacted	Date
County Judge	Judge Dennis Thornton	2/14/18

Date Submitted to Environmental Division: 4/17/18

## BRIDGE INFORMATION – PRELIMINARY

Job Number: 061460 FAP Number: NHPP-003(22) County: Hot Spring

Job Name: Hwy. 84 Strs. & Apprs. (Oak Grove) (S)

Design Engineer: Thomas Gerard Environmental Staff: Mary Pearson

### A. Description of Existing Bridge:

1. Bridge Number M1572 over Unnamed Tributary
2. Location: Rte.: 84 Section: 6 Log Mile: 17.68
3. Length: 54 ft Br. Rdwy. Width: 22.6 ft Deck Width (Out-to-Out): 24.1 ft
4. Type Construction: Concrete slab on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 16.0
7. Are any Condition Component Ratings at 3 or less? No

### B. Proposed Improvements:

Existing bridge will be replaced with a box culvert.

Please contact the Roadway Division for proposed improvements.

Date Submitted to Environmental Division: 4/17/18

## BRIDGE INFORMATION – PRELIMINARY

Job Number: 061460 FAP Number: NHPP-003(22) County: Hot Spring

Job Name: Hwy. 84 Strs. & Apprs. (Oak Grove) (S)

Design Engineer: Thomas Gerard Environmental Staff: Mary Pearson

### A. Description of Existing Bridge:

1. Bridge Number M1573 over Lee Creek
2. Location: Rte.: 84 Section: 6 Log Mile: 18.25
3. Length: 48 ft Br. Rdwy. Width: 22.6 ft Deck Width (Out-to-Out): 23.7 ft
4. Type Construction: Concrete slab on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 43.20
7. Are any Condition Component Ratings at 3 or less? No

### B. Proposed Improvements:

Existing bridge will be replaced with a box culvert.

Please contact the Roadway Division for proposed improvements.