

TIER 3 CATEGORICAL EXCLUSION

ARDOT JOB NUMBER 040792

FAP NUMBER NHPP-0065(56)

HWY. 45 STRS. & APPRS. (S)

ROUTE 45, SECTION 1

SEBASTIAN COUNTY

Submitted Pursuant to 42 U.S.C. 4332(2)

By the

U.S. Department of Transportation


Federal Highway Administration

And the

Arkansas Department of Transportation

April 2020

April 2, 2020
Date of Approval


Randal Looney
Environmental Coordinator
Federal Highway Administration

The Environmental Division reviewed the referenced project and has determined it falls within the definition of the Tier 3 Categorical Exclusion as defined by the ARDOT/FHWA Programmatic 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 proposed project is to replace three bridges on Highway 45 in Sebastian County, Arkansas: School House Branch bridge (M3123) is a 69' x 28' structure; Johnson Branch bridge (00881) is a 135' x 25' structure; and an unnamed tributary to the James Fork bridge (#M3124) is a 69' x 28' structure. The existing roadway consists of two 10' wide travel lanes with 4' wide paved shoulders. Total project length is less than 2 miles. A project location map is attached.

The unnamed tributary to the James Fork bridge will be replaced with steel reinforced concrete box culvert. The School House Branch and Johnson Branch bridges will be replaced with a new bridges. The proposed approaches will consist of two 11' paved travel lanes with 6' (4' paved) shoulders. Up to 26.4 acres of right of way could be required for this project. Of this proposed acreage, up to 12.4 acres of prime farmland and 6.3 acres of Farmland of Statewide Importance could be impacted. Form NRCS-CPA-106 is attached.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2021	1,900	5	55 mph
2041	2,200		

The project will not involve relocations, wellhead protection areas/public water supplies, underground storage tanks, hazardous materials, any environmental justice issues, or cultural resources. The State Historic Preservation Officer's clearance is attached.

Based on the ARDOT noise policy, a noise analysis is not required for this project. Replacing the structures will not involve adding capacity, substantially changing the roadway alignment, or exposing noise sensitive land uses to traffic noise sources. In compliance with federal guidelines, local authorities will not require notification.

Construction of this project will impact less than 0.1 acre of herbaceous wetlands. It is estimated that stream impacts will be less than 0.1 acre per crossing. Construction should be allowed under the terms of a Nationwide Permit 14 for Linear Transportation Projects as defined in the Federal Register 82 (4):1860 – 2008.

The official species list obtained through the US Fish and Wildlife Service's Information for Planning and Consultation website lists the northern long-eared bat (*Myotis septentrionalis*), Eastern Black Rail (*Laterallus jamaicensis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), American burying beetle (*Nicrophorus americanus*), rattlesnake-master borer moth (*Papaipema eryngii*), and Geocarpon (*Geocarpon minimum*) as protected species potentially occurring in the proposed project area.

Based on the lack of habitat and the distance to known occurrences of species, it has been determined that the proposed project will have "no effect" on the Eastern Black Rail, Piping Plover, Red Knot, rattlesnake-master borer moth, and Geocarpon.

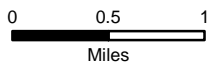
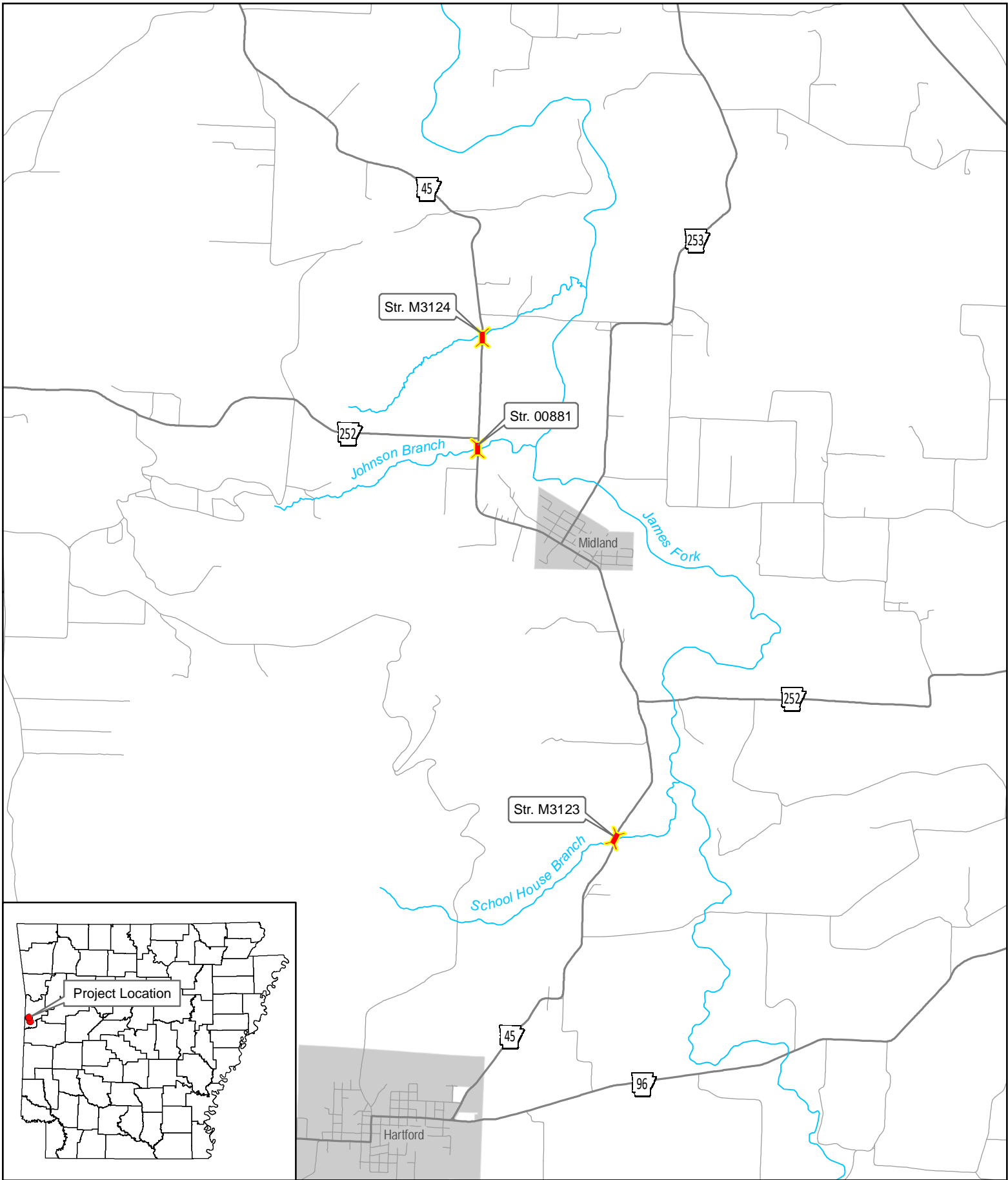
Based on the lack of habitat in the project area and the limited scope of the project (i.e., acres of disturbance), it has been determined that the proposed project "may affect, but is not likely to adversely affect" the American burying beetle. The USFWS concurred on January 27, 2020.

The Final 4(d) Rule applies to the project's activities that have the potential to affect northern long-eared bats. The Final 4(d) Rule exempts the incidental take of northern long-eared bats from take prohibitions in the Endangered Species Act. The exemptions apply as long as the activities do not occur within 0.25 mile of a known hibernaculum or within 150' of a known occupied maternity roost from June 1 to July 31. No known hibernacula or maternity roosts exist within the project limits; therefore, the project may proceed without any restrictions. All offsite locations will require coordination with USFWS. The USFWS concurred on January 27, 2020.

Sebastian County participates in the National Flood Insurance Program. All three structures lie within a 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 would constitute a substantial floodplain encroachment or a risk to property or life.

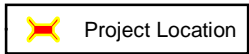
This project has been determined to generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special mobile source air toxic concerns (MSAT). As such, this project will not result in changes in traffic volumes, vehicle mix, basic project location, or any other factor that would cause a meaningful increase in MSAT impacts of the project from that of the no-build alternative.

No other adverse environmental impacts were identified. The checklist used to verify consideration of potential environmental impacts is attached.



ARDOT - Environmental GIS - Strawn
March 24, 2020

Job 040792
Hwy. 45 Strs. & Apprs.
Sebastian County





ARKANSAS HERITAGE



November 25, 2019

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

RE: Sebastian County – General
Section 106 Review – FHWA
Hwy. 45 Str. & Apprs. (S)
Route 45, Section 1
ARDOT Job Number: 040792
AHPP Tracking Number: 103971.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the Project Identification Form (PIF) for the above-referenced job in Section 1, Township 4 North, Range 32 West (Bridge M3123); Section 13, Township 5 North, Range 32 West (Bridge M3124); and Section 24, Township 5 North, Range 32 West in Sebastian County. According to your correspondence, the undertaking entails replacing the above-referenced bridges. The AHPP previously concurred the three bridges are not eligible for inclusion in the National Register of Historic Places (AHPP Tracking Number 103971). All shovel tests associated with areas of ground disturbance for this undertaking proved negative

Based on the provided information, the AHPP concurs with the finding of **no historic properties affected pursuant to 36 CFR § 800.4(d)(1)**. In the event of a post-review discovery of historic properties within the APE, please contact the AHPP and other consulting parties in accordance with 36 CFR § 800.13(b)(3).

Tribes that have expressed an interest in the area include the Caddo Nation (Ms. Tamara Francis), the Cherokee Nation (Ms. Elizabeth Toombs), the Chickasaw Nation (Ms. Karen Brunso), the Choctaw Nation of Oklahoma (Ms. Madison Currie), the Muscogee (Creek) Nation (Ms. Corain Lowe-Zepeda), the Osage Nation (Dr. Andrea Hunter), the Quapaw Nation (Mr. Everett Bandy), and the Shawnee Tribe (Ms. Tonya Tipton). We recommend consultation in accordance with 36 CFR § 800.2(c)(2).

Please refer to the AHPP Tracking Number listed above in all correspondence. If you have any questions, please call Eric Mills of my staff at 501-324-9784 or email eric.mills@arkansas.gov.

Sincerely,



Scott Kaufman
Director, AHPP

cc: Mr. Randall Looney, Federal Highway Administration
Dr. Ann Early, Arkansas Archeological Survey

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

PART I (To be completed by Federal Agency) Job 040792	3. Date of Land Evaluation Request	4. Sheet 1 of _____
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1. Name of Project	5. Federal Agency Involved
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2. Type of Project	6. County and State
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PART II (To be completed by NRCS)	1. Date Request Received by NRCS	2. Person Completing Form
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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 <input type="checkbox"/> NO <input type="checkbox"/>	4. Acres Irrigated Average Farm Size
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5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: _____ % _____	7. Amount of Farmland As Defined in FPPA Acres: _____ % _____
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8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS
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PART III (To be completed by Federal Agency)	Alternative Corridor For Segment			
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	Corridor A	Corridor B	Corridor C	Corridor D
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A. Total Acres To Be Converted Directly				
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B. Total Acres To Be Converted Indirectly, Or To Receive Services				
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C. Total Acres In Corridor				
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PART IV (To be completed by NRCS) Land Evaluation Information				
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A. Total Acres Prime And Unique Farmland				
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B. Total Acres Statewide And Local Important Farmland				
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C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
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D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value				
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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)				
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PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points			
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1. Area in Nonurban Use	15			
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2. Perimeter in Nonurban Use	10			
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3. Percent Of Corridor Being Farmed	20			
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4. Protection Provided By State And Local Government	20			
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5. Size of Present Farm Unit Compared To Average	10			
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6. Creation Of Nonfarmable Farmland	25			
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7. Availability Of Farm Support Services	5			
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8. On-Farm Investments	20			
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9. Effects Of Conversion On Farm Support Services	25			
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10. Compatibility With Existing Agricultural Use	10			
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TOTAL CORRIDOR ASSESSMENT POINTS	160			
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PART VII (To be completed by Federal Agency)				
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Relative Value Of Farmland (From Part V)	100			
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Total Corridor Assessment (From Part VI above or a local site assessment)	160			
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TOTAL POINTS (Total of above 2 lines)	260			
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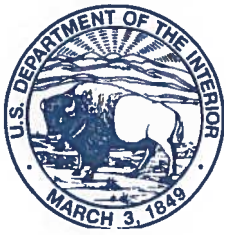
1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:	
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Signature of Person Completing this Part:	DATE
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Joshua Graham

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



January 27, 2020

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

Consultation Code: 04ER1000-2020-SLI-0424

Dear Mr. Fleming:

The U.S. Fish and Wildlife Service (Service) has reviewed your assessment and determinations for Arkansas Department of Transportation (ArDOT) Job 040792 ES/TS Determination, Sebastian County, Arkansas. We received your email and determination on January 21, 2020.

The project was described and assessed as follows (abbreviated):

The official species list obtained through the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation website lists the Northern Long-eared Bat (*Myotis septentrionalis*), Eastern Black Rail (*Laterallus jamaicensis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), American Burying Beetle (*Nicrophorus americanus*), Rattlesnake-master Borer Moth (*Papaipema eryngii*), and *Geocarpon minimum* as protected species potentially affected by the proposed project. Based on the lack of habitat, scope of the project, and distance to known species, it is our determination that the proposed project will have "no effect" on the Piping Plover, Rattlesnake-master Borer Moth, and *Geocarpon minimum*. Based on the lack of habitat, scope of the project, limited impact acreage, it is our determination that the proposed project may affect, but is not likely to adversely affect the American Burying Beetle. The proposed action is within the scope of the Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO). The Action may affect the Northern Long-eared Bat; however, any take that may occur as a result of the Action is not prohibited under the Endangered Species Act Section 4(d) rule.

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)).

Mr. John Fleming

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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.

Due to the limited potential offsite effects/limited scope of the action (occurring along existing roadway, bridges, culverts, and right-of-way), limited tree removal, the distance to known species locations, negative bridge assessments, and the standard provisions for stream sediment control and water quality conservation measures, the Service concurs with your determinations of "not likely to adversely affect" for American Burying Beetle. The Service also agrees with your assessment for the other species identified. This concurrence concludes your ESA Section 7 responsibilities relative to these species for this action.

For further assistance or if you have any questions, please contact Lindsey Lewis at (501) 513-4489 or lindsey_lewis@fws.gov.

Sincerely,



Melvin L. Tobin
Field Supervisor

cc: Project File
Read File

Filename: C:\Users\lilewis\Documents\PROJECTS\FY2020\ARDOT\ArDOT 040792 ESTS
Determination\AFO Letter -Job 040792 ESTS Determination - Comments.docx



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:

January 21, 2020

Consultation Code: 04ER1000-2020-SLI-0424

Event Code: 04ER1000-2020-E-00940

Project Name: 040792 Hwy. 45 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.**

If you determine that this project will have no effect on listed species and their habitat in any way, then you have completed Section 7 consultation with the Service and may use this letter in your project file or application.

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

Please visit our website at <http://www.fws.gov/arkansas-es/IPaC/home.html> for species-specific guidance to avoid and minimize adverse effects to federally endangered,

threatened, proposed, and candidate species. Our web site also contains additional information on species life history and habitat requirements that may be useful in project planning.

If your project involves in-stream construction activities, oil and natural gas infrastructure, road construction, transmission lines, or communication towers, please review our project specific guidance at <http://www.fws.gov/arkansas-es/IPaC/ProjSpec.html>.

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

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

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

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

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to

federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, **the accuracy of this species list should be verified after 90 days.** This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

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

Attachment(s):

- Official Species List
-

Official Species List

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

This species list is provided by:

Arkansas Ecological Services Field Office

110 South Amity Suite 300

Conway, AR 72032-8975

(501) 513-4470

Project Summary

Consultation Code: 04ER1000-2020-SLI-0424

Event Code: 04ER1000-2020-E-00940

Project Name: 040792 Hwy. 45 Strs. & Apprs.

Project Type: TRANSPORTATION

Project Description: replace 3 structures

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/35.087512308870984N94.34922133377842W>



Counties: Sebastian, AR

Endangered Species Act Species

There is a total of 7 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 Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Birds

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477	Proposed Threatened
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened

Insects

NAME	STATUS
American Burying Beetle <i>Nicrophorus americanus</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/66	Endangered
Rattlesnake-master Borer Moth <i>Papaipema eryngii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7863	Candidate

Flowering Plants

NAME	STATUS
Geocarpon minimum No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7699	Threatened

Critical habitats

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

**ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST
FOR CONSIDERATION OF POTENTIAL IMPACTS**


ARDOT Job Number 040792 FAP Number NHPP-0065(56)

Job Title Hwy. 45 Strs. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No MSAT impacts anticipated
Cultural Resources	X			SHPO clearance attached
Economic	X			Will not be impacted by project
Endangered Species		X		See USFWS concurrence
Environmental Justice/Title VI	X			No protected populations in project area
Fish and Wildlife		X		Temporary impacts during construction
Floodplains		X		Floodplain SP required
Forest Service Property	X			None in the project area
Hazardous Materials/Landfills	X			No sites in the project area
Land Use		X		Up to 26.4 acres acquired
Migratory Birds		X		Migratory Bird SP included
Navigation/Coast Guard	X			None in the project area
Noise Levels	X			No noise impacts
Prime Farmland		X		NRCS-CPA-106 attached
Protected Waters	X			None in the project area
Public Recreation Lands	X			No impacts to recreational lands
Public Water Supply/WHPA	X			None in the project area
Relocatees	X			No relocatees
Section 4(f)/6(f)	X			4(f)/6(f) resources not present
Social	X			No impacts to the social environment
Underground Storage Tanks	X			No USTs in project area
Visual	X			No changes to visual environment
Streams		X		Temporary impacts during construction
Water Quality		X		Temporary decline during construction
Wetlands		X		Less than 0.1 acre of wetland impacts
Wildlife Refuges	X			None in the project area

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 March 26, 2020

PROJECT DESIGN CRITERIA

DATE: October 14, 2019
REV.: _____

JOB NO: 040792 ROUTE / SECTION: 45 / 1 LENGTH: 0.97 mile COUNTY: Sebastian
 JOB NAME: Hwy. 45 Strs. & Apprs. (S) MIN ORDER: 2018-080
 2021 ADT: 1,900 2041 ADT: 2,200 TRUCK: 5% 4-LANE GRID SYSTEM: No
 APHN: No INCENTIVE/DISINCENTIVE: No FUNCTIONAL CLASSIFICATION: Major Collector

EXISTING CONDITIONS

ROADWAY WIDTH: 28' WIDTH OF TRAVELED WAY: 20' SHOULDERS (WIDTH/TYPE): 4' Paved
 BIKE/PED ACCOMMODATIONS: No CRASH RATE: 0.80 STATEWIDE CRASH RATE: 1.07

BRIDGE INFORMATION

Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck/Culvert Rating	Superstructure Rating	Substructure Rating	Posted
¹ M3123	2.79	69.0' x 28.2'	Concrete Channel Beam	68.25	6	4	5	5
² 00881	6.73	135.0' x 25.2'	Concrete Channel Beam	68.13	5	4	6	5
³ M3124	7.63	69.0' x 28.3'	Concrete Channel Beam	49.30	5	4	4	2

* Refer to PDC Bridge Information Codes

RECOMMENDED CRITERIA

NO. OF LANES: 2 WIDTH: 11' SHOULDERS (WIDTH/TYPE): 6' (4' Paved)
 DIVIDED: No MEDIAN WIDTH: N/A PARKING: None
 BRIDGE WIDTHS: 34' DESIGN SPEED - RURAL: 55 URBAN: N/A
 DEGREE OF ACCESS CONTROL: None CLEAR ZONE: 22' (6:1) / 30' (4:1)
 LOCATION OF INTERCHANGES: N/A CHANNELIZED INTERSECTION: As Warranted
 TRAFFIC SIGNALS: N/A RR X-ING PROTECTION: N/A
 BIKE/PED ACCOMMODATIONS: N/A
 PREVIOUS PLANNING STUDY: N/A
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS: NHPP
 PRELIM COST ESTIMATE: ROADWAY: \$3,000,000 BRIDGE: \$650,000 TOTAL: \$3,650,000

REMARKS:

- ^{1 & 3}Replace existing structure with R.C. Box Culvert
- ²Replace existing structure with Bridge Structure
- Use AASHTO Green Book, 2018

RECOMMENDED BY:

Charles Ellis: *Charles R. Ellis*
Date: 10/12/19

Trinity Smith: *Trinity Smith*
Date: 10/14/19

APPROVED BY:

Mike Fugett: *Mike Fugett* ACE-Design
Date: 10-18-19

(ATTACH NEW PROJECT MEMO, LOCATION MAP, AND CRASH ANALYSIS)