




## INTEROFFICE MEMORANDUM

---

April 25, 2018

**TO:** Master Files

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

**SUBJECT:** Job Number 110574  
FAP Number NHPP-0019(47)  
Hwy. 350 Strs. & Apprs.  
Highway 350, Section 1  
Bridge Numbers M3273, M3274, M2931, M2932, M2934  
Cross County  
Tier 2 Categorical Exclusion

The Environmental Division has reviewed the referenced project and it falls within the definition of a Tier 2 Categorical Exclusion under 23 Code of Federal Regulations, Section 771.117, and the ARDOT/FHWA Memorandum of Agreement on the processing of Categorical Exclusions. A public hearing will not be offered for this project.

The purpose of this project is to replace five bridges on Highway 350 in Cross County. The total length of the project is 1.9 miles. A project location map is attached.

Highway 350 consists of two 10-foot wide paved lanes and 4-foot gravel shoulders. The existing right of way width is 80 feet. Information about the existing bridges is provided in Table 1.

Proposed roadway improvements for Highway 350 will include two 11-foot wide paved travel lanes with 4-foot (2-foot paved) wide paved shoulders. New bridges will be constructed adjacent to the existing bridges at four sites and a box culvert will replace the bridge on the existing alignment at one site. Information about the proposed structures is provided in Table 2. The new average right of way width will be 165 feet.

Site	Bridge Number	Stream	Sufficiency Rating/Qualifying Code	Existing Bridge
1	M3273	Lick Creek	49.5/NQ	28' x 90' concrete slab on timber pile bents
2	M3274	Lick Creek	79.0/NQ	29' x 50' concrete slab on timber pile bents
3	M2931	Unnamed	23.4/SD	24' x 57' concrete slab on timber pile bents
4	M2932	Unnamed	23.4/SD	24' x 92' concrete slab on timber pile bents
5	M2934	Unnamed	25.9/SD	26' x 76' concrete slab on timber pile bents

Site	Stream	Structure Location	Proposed Structure
1	Lick Creek	40' upstream	33' x 175' continuous R.C. slab bridge on steel shell pile bents
2	Lick Creek	45' upstream	33' x 90' continuous R.C. slab bridge on steel shell pile bents
3	Unnamed	On location	Double 12' x 7' x 83' RC box culvert
4	Unnamed	40' upstream	33' x 90' continuous R.C. slab bridge on steel shell pile bents
5	Unnamed	40' downstream	33' x 90' continuous R.C. slab bridge on steel shell pile bents

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2019	400	11	55
2039	400	11	55

There are no relocations or environmental justice issues associated with this project. Field inspections found no evidence of existing underground storage tanks or hazardous waste deposits. A maximum of 7.66 acres of new right of way will be required to construct this project, of which a maximum of 1.63 acres is Prime Farmland and 0.16 acre is Farmland of Statewide Importance. Form NRCS-CPA-106, the Farmland Conversion Impact Rating, is attached. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is attached.

The project will have a discharge of dredged or fill material into waters of the United States, therefore a Section 404 permit will be required. The project should be authorized by Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82(4):1860-2008.

The official species list obtained through the US Fish and Wildlife Service (USFWS) Information for Planning and Consultation website lists Piping Plover (*Chardarius melodus*), Fat Pocketbook (*Potamilus capax*), and pondberry (*Lindera melissifolia*) as species potentially affected by the proposed project. This project will not affect these species due to lack of suitable habitat.

Cross County participates in the National Flood Insurance Program. Site 5 lays within the Zone A, Special Flood Hazard Area. The final project design will be reviewed to confirm that the design is adequate and that the potential risk to life and property are minimized. Adjacent properties should not be impacted nor have a greater flood risk than existed before construction of the project. None of the encroachments will constitute a significant floodplain encroachment or a significant risk to property or life.

Based upon the ARDOT's *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. This project does not involve added

Job Number 110574  
Tier 2 Categorical Exclusion  
Page 4 of 4

capacity, construction of new through lanes or auxiliary lanes, changes in the horizontal or vertical alignment of the roadway, or exposure of noise sensitive land uses to a new or existing highway noise source.

Attachments:

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

Approved:

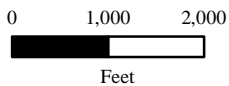
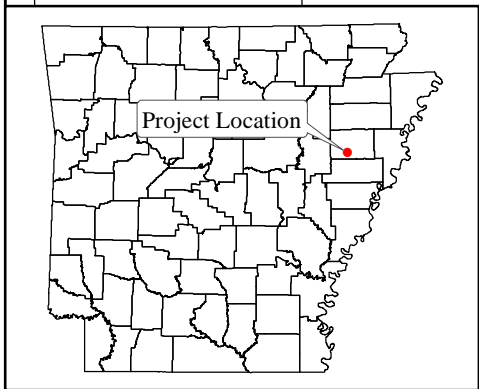
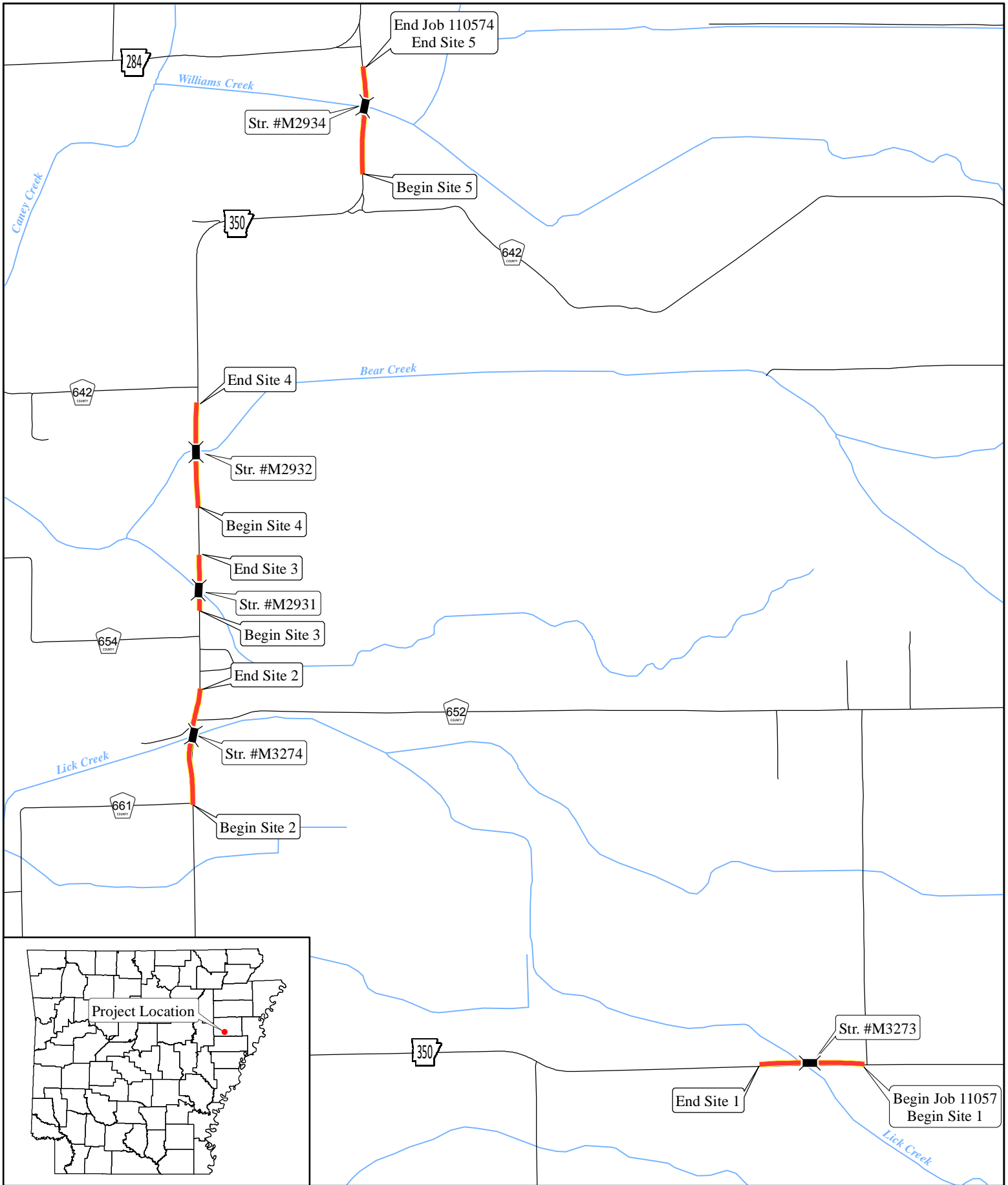


---

Kevin Thornton  
Assistant Chief Engineer-Planning

JF:SL:fc

c: Program Management  
Right of Way  
Roadway  
Bridge  
District 1  
FHWA



Job 110574  
Hwy. 350 Strs. & Apprs.  
Cross 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

100645  
FHWA

March 9, 2018

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

AHPP

MAR 09 2018

RECEIVED  
ARDOT

MAR 13 2018

ENVIRONMENTAL  
DIVISION

RE: Job Number 110574  
Hwy. 350 Strs. & Apprs. (S)  
Route 350, Section 1  
Cross County

Dear Ms. Hurst:

Please find enclosed a Project Identification Form (PIF) for the above referenced project. This project proposes to replace five bridges on State Highway 350 in Cross County. If you have any questions or require additional information about the project, please contact William McAlexander of my staff at 501-569-2078.

Sincerely,

John Fleming  
Division Head  
Environmental Division

Enclosure:  
PIF

JF:DW:WM:ym

Date 3/12/2018  
No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.  
  
Arkansas State Historic Preservation Officer

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

<b>PART I (To be completed by Federal Agency)</b> Job 110574		3. Date of Land Evaluation Request 4/16/18	4. Sheet 1 of _____
1. Name of Project Hwy. 350 Strs. & Apprs.		5. Federal Agency Involved FHWA	
2. Type of Project Bridge Replacement		6. County and State Cross 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				
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor				

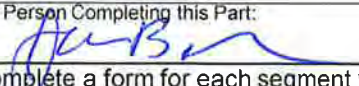
<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
A. Total Acres Prime And Unique Farmland	1.63			
B. Total Acres Statewide And Local Important Farmland	.16			
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
D. Percentage Of Farmland in Govt. Jurisdiction 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				
1. Area in Nonurban Use	15	15			
2. Perimeter in Nonurban Use	10	10			
3. Percent Of Corridor Being Farmed	20	20			
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>50</b>			

<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)	100	100			
Total Corridor Assessment (From Part VI above or a local site assessment)	160	50			
<b>TOTAL POINTS (Total of above 2 lines)</b>	<b>260</b>	<b>150</b>			

1. Corridor Selected: <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing	2. Total Acres of Farmlands to be Converted by Project: 1.63 acres of Prime Farmland & .16 of Farmland of Statewide Importance	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:  DATE: 4/25/18

**NOTE: Complete a form for each segment with more than one Alternate Corridor**



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arkansas Ecological Services Field Office  
110 South Amity Suite 300  
Conway, AR 72032-8975  
Phone: (501) 513-4470 Fax: (501) 513-4480  
<http://www.fws.gov/arkansas-es>

In Reply Refer To:

April 10, 2018

Consultation Code: 04ER1000-2018-SLI-0823

Event Code: 04ER1000-2018-E-01189

Project Name: 110574 Hwy. 350 Strs. & Apprs. (S) Site 1

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: 04ER1000-2018-SLI-0823

Event Code: 04ER1000-2018-E-01189

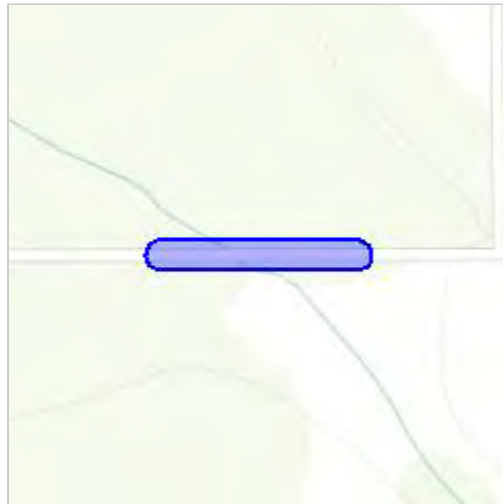
Project Name: 110574 Hwy. 350 Strs. & Apprs. (S) Site 1

Project Type: TRANSPORTATION

Project Description: Replace five bridges on Hwy 350.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/35.16293518210579N90.81378221511842W>



Counties: Cross, AR

---

## Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

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

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

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

### Birds

NAME	STATUS
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 <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened

### Clams

NAME	STATUS
Fat Pocketbook <i>Potamilus capax</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/2780">https://ecos.fws.gov/ecp/species/2780</a>	Endangered

### Flowering Plants

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

---

## Critical habitats

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

---

## ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 110574 FAP Number NHPP-0019(47)

Job Title Hwy. 350 Strs. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		During construction.
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife	X			
Floodplains		X		Site 5 in Zone A
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds	X			Bird SP required
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland		X		Form NRCS-CPA-106 attached
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			WHP SP required
Relocatees	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts		X		Temporary during construction
Water Quality		X		Temporary during construction
Wetlands	X			
Wildlife Refuges	X			

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

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

Signature of Evaluator *Sperry Libana* Date April 25, 2018

**ROADWAY DESIGN REQUEST**Job Number 110574 FAP No. \_\_\_\_\_ County CrossJob Name Hwy. 350 Strs. & Apprs. (S)Design Engineer David Baker Environmental Staff \_\_\_\_\_Brief Project Description Replacing 5 bridges, 4 with new bridges, 1 with a box culvert

## A. Existing Conditions:

Roadway Width: 28' Shoulder Type/Width: 4' UnpavedNumber of Lanes and Width: 2 @ 10' Existing Right-of-Way: 80'Sidewalks? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_Bike Lanes? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_

## B. Proposed Conditions:

Roadway Width: 30' Shoulder Type/Width: 4' 1/2' PavedNumber of Lanes and Width: 2 @ 11' Proposed Right-of-Way: 165'Sidewalks? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_Bike Lanes? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_

## C. Construction Information:

If detour: Where: Left of Hwy. 350 (Site 3) Length: 0.206 Miles

## D. Design Traffic Data:

2019 ADT: 400 2039 ADT: 400 % Trucks: 11Design Speed: 55 m.p.h.E. Approximate total length of project: 1.899 mile(s)F. Justification for proposed improvements: Existing Structures are ObsoleteG. Total Relocatees: N/A Residences: N/A Businesses: N/AH. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? No

Agency/Official	Person Contacted	Date



BRIDGE INFORMATION – **PRELIMINARY**Job Number: 110574 FAP Number: NHPP-0019(47) County: CrossJob Name: Hwy. 350 Strs. & Apprs. (S)Design Engineer: Jim Pool Environmental Staff: Sherry Leblanc/Mickey Matthews**A. Description of Existing Bridge:**

1. Bridge Number M3273 over Lick Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 0.66
3. Length: 90 ft Br. Rdwy. Width: 26.9 ft Deck Width (Out-to-Out): 28 ft
4. Type Construction: Three spans where the approach spans have a concrete slab with timber subdeck on timber beams and the main span has a concrete slab with timber subdeck on steel beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: NQ Sufficiency Rating: 49.50
7. Are any Condition Component Ratings at 3 or less? No

**B. Proposed Improvements:**

1. Length: 158 ft Br. Rdwy. Width: 30 ft Deck Width (Out-to-Out): 33.17 ft
2. Travel Lanes: Two 11' lanes
3. Shoulder Width: Two 6' shoulders
4. Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_ ft

**C. Construction Information:**

1. Location in relation to existing bridge: C.L. new bridge is approx. 40' upstream of C.L. existing bridge
2. Superstructure Type: 155' Continuous Composite W-Beam Unit
3. Span Lengths: Three Spans: 50'-55'-50'
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 238 No. of Bents inside OHW Contours: 2
6. Concrete Vol. below OHW: NA yd<sup>3</sup> Vol. Bent Excavation: NA yd<sup>3</sup> Vol. Backfill NA yd<sup>3</sup>
7. Is Channel Excavation below OHW Required? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
9. Is Riprap below OHW Required? Yes Volume: TBD yd<sup>3</sup>

**D. Work Road Information:**

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

**E. Detour Information:**

1. Is a detour bridge required? NA Location in relation to Existing Br.: \_\_\_\_\_
2. Length: \_\_\_\_\_ ft Br. Rdwy. Width: \_\_\_\_\_ ft Deck Elevation: \_\_\_\_\_
3. Volume of Fill below OHW: \_\_\_\_\_ yd<sup>3</sup> Surface Area: \_\_\_\_\_ ft<sup>2</sup>

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

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

Agency	Person Contacted	Date

**BRIDGE INFORMATION – PRELIMINARY**

Job Number: 110574 FAP Number: NHPP-0019(47) County: Cross  
 Job Name: Hwy. 350 Strs. & Apprs. (S)  
 Design Engineer: Jim Pool Environmental Staff: Sherry Leblanc/Mickey Matthews

**A. Description of Existing Bridge:**

1. Bridge Number M3274 over Lick Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 3.48
3. Length: 50 ft Br. Rdwy. Width: 28.2 ft Deck Width (Out-to-Out): 29.3 ft
4. Type Construction: Concrete slab with timber subdeck on steel beams supported by timber pile bents with timber caps.
5. Deficiencies: \_\_\_\_\_
6. HBRRP Eligibility: Qualif. Code: NQ Sufficiency Rating: 79.0
7. Are any Condition Component Ratings at 3 or less? No

**B. Proposed Improvements:**

1. Length: 76.1 ft Br. Rdwy. Width: 30 ft Deck Width (Out-to-Out): 33.17 ft
2. Travel Lanes: Two 11' lanes
3. Shoulder Width: Two 6' shoulders
4. Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_ ft

**C. Construction Information:**

1. Location in relation to existing bridge: C.L. new bridge is approx. 45' upstream of C.L. existing bridge
2. Superstructure Type: 75' Simple Composite Integral W-Beam Unit
3. Span Lengths: 75'
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 220 No. of Bents inside OHW Contours: 0
6. Concrete Vol. below OHW: NA yd<sup>3</sup> Vol. Bent Excavation: NA yd<sup>3</sup> Vol. Backfill NA yd<sup>3</sup>
7. Is Channel Excavation below OHW Required? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
9. Is Riprap below OHW Required? Yes Volume: TBD yd<sup>3</sup>

**D. Work Road Information:**

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

**E. Detour Information:**

1. Is a detour bridge required? NA Location in relation to Existing Br.: \_\_\_\_\_
2. Length: \_\_\_\_\_ ft Br. Rdwy. Width: \_\_\_\_\_ ft Deck Elevation: \_\_\_\_\_
3. Volume of Fill below OHW: \_\_\_\_\_ yd<sup>3</sup> Surface Area: \_\_\_\_\_ ft<sup>2</sup>

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

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

Agency	Person Contacted	Date

## EXISTING BRIDGE INFORMATION (REVISED)

Job Number: 110574 FAP Number: NHPP-0019(47) County: Cross

Job Name: Hwy. 350 Strs. & Apprs. (S)

Design Engineer: Jim Pool Environmental Staff: Sherry Leblanc/Mickey Matthews

### A. Description of Existing Bridge:

1. Bridge Number M2931 over Unnamed Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 3.94
3. Length: 57 ft Br. Rdwy. Width: 22.6 ft Deck Width (Out-to-Out): 23.5 ft
4. Type Construction: Three spans with a concrete slab with timber subdeck on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 23.4
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.

**BRIDGE INFORMATION – PRELIMINARY (REVISED)**Job Number: 110574 FAP Number: NHPP-0019(47) County: CrossJob Name: Hwy. 350 Strs. & Apprs. (S)Design Engineer: Jim Pool Environmental Staff: Sherry Leblanc/Mickey Matthews**A. Description of Existing Bridge:**

1. Bridge Number M2932 over Unnamed Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 4.35
3. Length: 92 ft Br. Rdwy. Width: 23.3 ft Deck Width (Out-to-Out): 24.2 ft
4. Type Construction: Five spans with a concrete slab with timber subdeck on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 23.4
7. Are any Condition Component Ratings at 3 or less? No

**B. Proposed Improvements:**

1. Length: 101 ft Br. Rdwy. Width: 30 ft Deck Width (Out-to-Out): 33.17 ft
2. Travel Lanes: Two 11' lanes
3. Shoulder Width: Two 6' shoulders
4. Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_ ft

**C. Construction Information:**

1. Location in relation to existing bridge: C.L. new bridge is approx. 40' upstream of C.L. existing bridge
2. Superstructure Type: 100' Continuous Composite Integral W-Beam Unit
3. Span Lengths: Three Spans: 30'-40'-30'
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 220 No. of Bents inside OHW Contours: 2
6. Concrete Vol. below OHW: NA yd<sup>3</sup> Vol. Bent Excavation: NA yd<sup>3</sup> Vol. Backfill NA yd<sup>3</sup>
7. Is Channel Excavation below OHW Required? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
9. Is Riprap below OHW Required? TBD Volume: TBD yd<sup>3</sup>

**D. Work Road Information:**

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

**E. Detour Information:**

1. Is a detour bridge required? NA Location in relation to Existing Br.: \_\_\_\_\_
2. Length: \_\_\_\_\_ ft Br. Rdwy. Width: \_\_\_\_\_ ft Deck Elevation: \_\_\_\_\_
3. Volume of Fill below OHW: \_\_\_\_\_ yd<sup>3</sup> Surface Area: \_\_\_\_\_ ft<sup>2</sup>

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

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

Agency	Person Contacted	Date

**BRIDGE INFORMATION – PRELIMINARY**Job Number: 110574 FAP Number: NHPP-0019(47) County: CrossJob Name: Hwy. 350 Strs. & Apprs. (S)Design Engineer: Jim Pool Environmental Staff: Sherry Leblanc/Mickey Matthews**A. Description of Existing Bridge:**

1. Bridge Number M2934 over Unnamed Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 5.82
3. Length: 76 ft Br. Rdwy. Width: 24.9 ft Deck Width (Out-to-Out): 25.8 ft
4. Type Construction: Four spans with a concrete slab with timber subdeck on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 25.9
7. Are any Condition Component Ratings at 3 or less? No

**B. Proposed Improvements:**

1. Length: 76 ft Br. Rdwy. Width: 30 ft Deck Width (Out-to-Out): 33.17 ft
2. Travel Lanes: Two 11' lanes
3. Shoulder Width: Two 6' shoulders
4. Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_ ft

**C. Construction Information:**

1. Location in relation to existing bridge: C.L. new bridge is approx. 40' downstream of C.L. existing bridge
2. Superstructure Type: 75' Simple Composite Integral W-Beam Unit
3. Span Lengths: 75'
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 220 No. of Bents inside OHW Contours: 0
6. Concrete Vol. below OHW: NA yd<sup>3</sup> Vol. Bent Excavation: NA yd<sup>3</sup> Vol. Backfill NA yd<sup>3</sup>
7. Is Channel Excavation below OHW Required? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No Surface Area: \_\_\_\_\_ ft<sup>2</sup> Volume: \_\_\_\_\_ yd<sup>3</sup>
9. Is Riprap below OHW Required? TBD Volume: TBD yd<sup>3</sup>

**D. Work Road Information:**

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

**E. Detour Information:**

1. Is a detour bridge required? NA Location in relation to Existing Br.: \_\_\_\_\_
2. Length: \_\_\_\_\_ ft Br. Rdwy. Width: \_\_\_\_\_ ft Deck Elevation: \_\_\_\_\_
3. Volume of Fill below OHW: \_\_\_\_\_ yd<sup>3</sup> Surface Area: \_\_\_\_\_ ft<sup>2</sup>

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

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

Agency	Person Contacted	Date

# PCN Checklist

Job Number and Name: 110574 Hwy. 350 Strs. & Apprs. (S)

Natural Resource Employee: Mickey Matthews

**(1)** Does your project occur within (or within a mile of) a special resource waterbody (e.g. ERW, ESW, Natural and Scenic or Wild and Scenic)?

Yes  No

\*\*\*If yes, PCN required and Individual Water Quality Certification\*\*\*

Name of waterbody: \_\_\_\_\_

**(2)** Is this a maintenance project involving removal of accumulated sediments near a bridge or culvert?

Yes  No

**(3)** A NWP No 14:

A) With more than 0.1 acre impacts OR

B) A discharge into special aquatic site including wetlands OR

C) In one of the following counties: *Cleburne, Van Buren, Conway, Faulkner, or White?*

Yes  No

**(4)** Is the project a NWP23?

Yes  No

**(5)** Is the project in wetlands:

A) In *Ashley, Clay, Jackson, Lawrence, Woodruff or Craighead County* OR

B) Any of the following waters of the US: Fens, Bogs, Seeps, Dune Depressions OR

C) Cache River and adjacent wetlands downstream of Hwy 18?

Yes  No

**(6)** Is the project in one of the following counties: *Benton or Stone?*

Yes  No

**(7)** Is the project impacting one of the following creeks or rivers?

Antoine River	Frog Bayou	Little Missouri River (Below Greeson)		Saline River (below Dierks Reservoir) *Western	
Arkansas River	Illinois River	Little River (above and below Millwood)		Saline River	
Big Brushy Creek (Montgomery)	Muddy Fork	Little Red River		Alum Fork	Middle Fork
Black River	Irons Fork (Polk)	Devil's Forks	Big Creek	North Fork	South Fork
Brush Creek (Perry and Yell)	Ouachita River	Beech Creek	Middle Fork	Spring River	
Buffalo Creek (Polk)	Iron Fork	Turkey Creek	South Fork	South Fork	
Buffalo River	North Fork	Archey Creek		St. Francis River and Floodway	
Caddo River	South Fork	Mississippi River		Clark Corner Cutoff	Little Bay Ditch
Clear Fork (Scott)	Kings River	Mountain Fork River (Polk)		Cross County Ditch	Little Slough Ditch
Cassatot River	L'Anguille River	Muddy Creek		Ditches 10, 123, 60, 61, 9	St. Francis Bay
Current River	Lewis Creek (Polk)	Myatt Creek		Iron Mines Creek	Straight Slough
Eleven Point River	Little River (Northeast St. Francis Trib)	Rainy Creek (Montgomery)		Strawberry River	
Fiddlers Creek (Montgomery and Yell)	Left Hand Chute	Red River		Tyronza River	
Fourche LaFave River	Right Hand Chute	Robinson Creek (Polk and Sevier)		War Eagle Creek	
Dry Fork	All Ditches	Rolling Fork (Below DeQueen Reservoir)		White River	
South Fork	Little Brushy Creek (Montgomery)				

Yes  No

\*\*\*If you selected yes to any of the questions above a PCN is required\*\*\*

**(8)** IF PCN is required, is the project in an impaired waterbody for turbidity/siltation, a waterbody with a TMDL for turbidity/siltation or within a mile of one the above?

Yes  No

If yes individual Water Quality Certification Required.

Name of waterbody: \_\_\_\_\_