



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

## INTEROFFICE MEMORANDUM

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December 28, 2017

**TO:** Master Files

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

**SUBJECT:** Job Number 020582  
FAP Number NHPP-0001(94)  
King Bayou Str. & Apprs. (S)  
Bridge Number M2922  
Arkansas County  
Tier 2 Categorical Exclusion

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

The purpose of this project is to replace a bridge on Highway 343 in Arkansas County. Total length of the project is 0.13 mile. The attached figure illustrates the project location.

Existing Highway 343 consists of two 10-foot wide travel lanes with no shoulders. The existing bridge (#M2922) has a 25' x 135' concrete deck with timber girders, supported by timber pile bents. The bridge has a sufficiency rating 46.8. The existing right of way width is 80 feet.

Proposed improvements include a 28' x 157' precast concrete span supported by concrete trestle pile bents. The new roadway approaches will have two 10-foot wide paved travel lanes and 4-foot wide shoulders. The proposed average right of way width will be 80-160 feet. Approximately 0.42 acre of right of way will be required for this project.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2018	230	4	60 mph
2038	300	4	60 mph

There are no relocations, endangered species, prime farmland, or environmental justice issues associated with this project. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is attached. Field inspections found no evidence of existing underground storage tanks or hazardous waste deposits.

Based upon the ARDOT's *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. This project does not involve added capacity, construction of new through lanes or auxiliary lanes, changes in the horizontal or vertical alignment of the roadway, or exposure of noise sensitive land uses to a new or existing highway noise source.

Arkansas 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 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.

Construction of this project will replace the existing bridge with a new, structurally sufficient bridge on existing location. There will be no detour required; the highway will be closed during construction activities. There will be no wetland impacts due to construction of this project and stream impacts are estimated to be less than 0.1 acre. Construction of this project should be covered under the terms of a Nationwide 14 Permit for Linear Transportation Projects as defined in the Federal Register 82(4):1860 – 2008.

The official species list obtained through the United States Fish and Wildlife Service IPaC website lists the Ivory-Billed Woodpecker (*Campephilus principalis*)

Job Number 020582  
Tier 2 Categorical Exclusion  
Page 3 of 3

as the only endangered species potentially occurring within the project area. Based on the lack of available/suitable habitat in the project area, it has been determined that the project will have no effect on the listed species.

Attachments:

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

Approved:

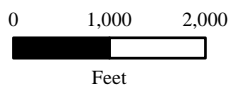
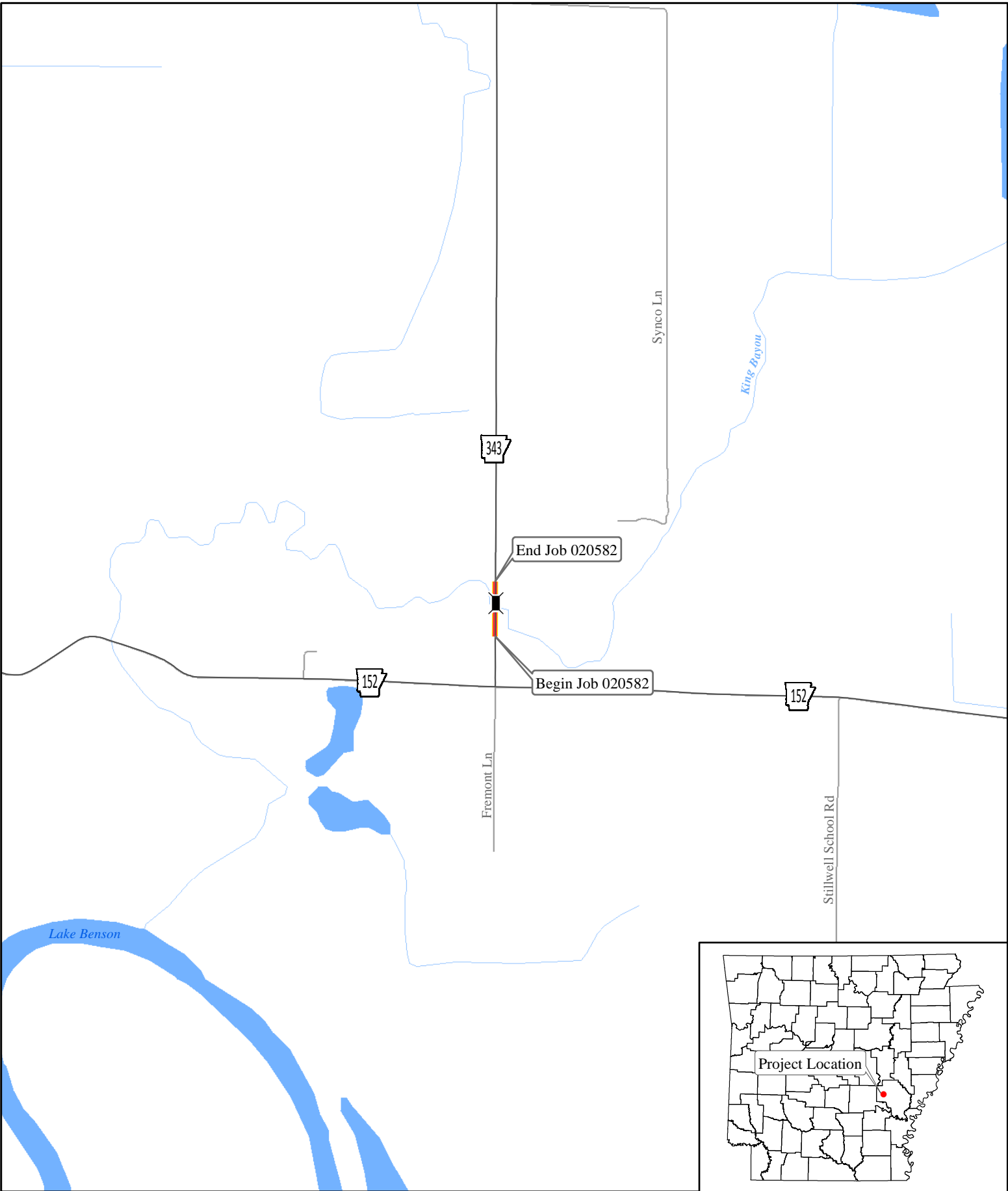


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Kevin Thornton  
Assistant Chief Engineer-Planning

JF:JB:fc

c: Program Management  
Right of Way  
Roadway Design  
District 2  
FHWA



ARDOT - Environmental GIS - Hopkins  
November 13, 2017

Job 020582  
King Bayou Str. & Apprs.  
(Hwy. 343)  
Arkansas County

 Project Location

ARKANSAS STATE HIGHWAY  
AND  
TRANSPORTATION DEPARTMENT

AHPP

JAN 11 2017

97072

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

January 10, 2017

Ms. Frances McSwain  
Arkansas Historic Preservation Program  
1100 North Street  
Little Rock, Arkansas 72201

RECEIVED  
AHTD

JAN 17 2017

ENVIRONMENTAL  
DIVISION

Re: AHTD Job Number 020582  
King Bayou Str. & Apprs. (S)  
Arkansas County

Dear Ms. McSwain:

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 Wm. Lane Shields of my staff at 501-569-2077.

Sincerely,

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

John Fleming  
Division Head  
Environmental Division

Enclosure  
PIF

JF:DW:WLS:ym

JAN 11 2017

Date

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 McSwain".

Frances McSwain, Deputy State  
Historic Preservation Officer

JAN 11 2017



## 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:

November 29, 2017

Consultation Code: 04ER1000-2018-SLI-0215

Event Code: 04ER1000-2018-E-00354

Project Name: King Bayou Str. & Apprs.

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies endangered, threatened, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). **This letter only provides an official species list and technical assistance; if you determine that listed species and/or designated critical habitat may be affected in any way by the proposed project, even if the effect is wholly beneficial, consultation with the Service will be necessary.**

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

**Please visit our website at <http://www.fws.gov/arkansas-es/IPaC/home.html> for species-specific guidance to avoid and minimize adverse effects to federally endangered, threatened, proposed, and candidate species.** Our web site also contains additional information on species life history and habitat requirements that may be useful in project planning.

**If your project involves in-stream construction activities, oil and natural gas infrastructure, road construction, transmission lines, or communication towers, please review our project**

specific guidance at <http://www.fws.gov/arkansas-es/IPaC/ProjSpec.html>.

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

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

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

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

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, **the accuracy of this species list should be verified after 90 days.** This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and

implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

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

Attachment(s):

- Official Species List



## Official Species List

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

This species list is provided by:

**Arkansas Ecological Services Field Office**

110 South Amity Suite 300

Conway, AR 72032-8975

(501) 513-4470

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## Project Summary

Consultation Code: 04ER1000-2018-SLI-0215

Event Code: 04ER1000-2018-E-00354

Project Name: King Bayou Str. & Apprs.

Project Type: TRANSPORTATION

Project Description: replace existing bridge with a new bridge on existing location

Project Location:

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

<https://www.google.com/maps/place/34.350022094362544N91.57992771362376W>



Counties: Arkansas, AR

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## Endangered Species Act Species

There is a total of 1 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.

### Birds

NAME	STATUS
Ivory-billed Woodpecker <i>Campephilus principalis</i> No critical habitat has been designated for this species.  Species profile: <a href="https://ecos.fws.gov/ecp/species/8230">https://ecos.fws.gov/ecp/species/8230</a>	Endangered

### Critical habitats

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

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## AHTD ENVIRONMENTAL IMPACTS ASSESSMENT FORM

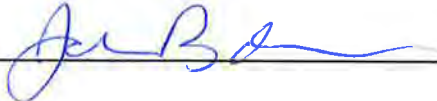
AHTD Job Number 020582 FAP Number NHPP-0001(94)

Job Title King Bayou Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		During construction
Floodplains		X		Floodplain permit required
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds		X		Migratory Bird SP included
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland	X			
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			
Relocates	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts	X	X		During construction
Water Quality		X		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  Date December 28, 2017

## ROADWAY DESIGN REQUEST

Job Number 020582 FAP No. \_\_\_\_\_ County Arkansas

Job Name King Bayou Str. & Apprs. (S)

Design Engineer Brooke Perkins 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'

Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

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

**B. Proposed Conditions:**

Roadway Width: 28' Shoulder Type/Width: 4' – 2' paved

Number of Lanes and Width: 2 – 10' Proposed Right-of-Way: 80' – 160'

Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

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

**C. Construction Information:**

If detour: Where: No Length: \_\_\_\_\_

**D. Design Traffic Data:**

2018 ADT: 230 2038 ADT: 300 % Trucks: 4%  
Design Speed: 60 m.p.h.

E. Approximate total length of project: 0.128 mile(s)

F. Justification for proposed improvements: Bridge is structurally deficient.

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

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

Agency/Official	Person Contacted	Date

Date Submitted to Environmental Division: December 4, 2017  
**BRIDGE INFORMATION - PRELIMINARY**

Job Number: 020582 FAP Number: Z001-0001-094 County: Arkansas  
 Job Name: King Bayou Str. & Apprs. (S)  
 Design Engineer: Jeff Covay Environmental Staff: John Baber/Bill Bailey

**A. Description of Existing Bridge:**

1. Bridge Number M2922 over King Bayou
2. Location: Rte.: 343 Section: 1 Log Mile: 0.22
3. Length: 135.0 ft Br. Rdwy. Width: 24.6 ft Deck Width (Out-to-Out): 25.8 ft
4. Type Construction: Concrete Deck and Timber Stringers, Seven 19' spans, supported by timber trestle pile bents.
5. Deficiencies: Deterioration and Decay of Timber piling.
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 46.8

**B. Proposed Improvements:**

1. Length: 157.33 ft Br. Rdwy. Width: 28'-0" ft Deck Width (Out-to-Out): 30'-6" ft
2. Travel Lanes: Two 10 ft. Lanes
3. Shoulder Width: 4'-0" Shoulders
4. Sidewalks? No

**C. Construction Information:**

1. Location in relation to existing bridge: Same location
2. Superstructure Type: Precast Concrete spans
3. Span Lengths: Five spans @ 31' each
4. Substructure Type: Concrete trestle pile bents
5. Ordinary High Water Elev. (OHW): 182.5 No. of Bents inside OHW Contours: 3
6. Concrete Vol. below OHW: 0 yd3 Vol. Bent Excavation: 0 yd3 Vol. Backfill 0 yd3
7. Is Channel Excavation Required? No Surface Area: 0 ft2 Volume 0 yd3
9. Is Riprap required? None below OHW Volume: 0 yd3

**D. Work Road Information:**

1. Is Work Road(s) required? Yes Location: TBD Top Width: 20 ft
2. Is Fill below OHW required? Yes Surface Area: TBD ft2 Volume TBD yd3
3. Are Pipes required to meet Backwater Criteria? TBD Waterway Opening: TBD by Contractor

**E. Detour Information:**

1. Is a detour bridge required? TBD, but it is possible. Location in relation to Existing Br.: 60' Upstream from existing location, if we need a detour bridge
2. Length: TBD ft Br. Rdwy. Width: TBD ft Deck Elevation: TBD
3. Volume of Fill below OHW: TBD yd3 Surface Area: TBD ft2

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

Has Bridge Division coordinated with any outside agencies? No

Agency	Person Contacted	Date