



ARKANSAS DEPARTMENT OF TRANSPORTATION



ARDOT.gov | IDriveArkansas.com | Lorie H. Tudor, P.E., Director

10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2000

INTEROFFICE MEMORANDUM

January 20, 2022

TO: Master Files

FROM:  John Fleming, Division Head, Environmental Division 

SUBJECT: Job 061743
FAP NHPP-0030(32)
Beauchamp Creek Str. & Apprs. (S)
Route 84, Section 6
Hot Spring County
Tier 1 Categorical Exclusion

After appropriate environmental review, it has been determined that the subject job is a Tier 1 Categorical Exclusion as described by the ARDOT/FHWA Programmatic Agreement on Categorical Exclusion Documentation and Processing. A public hearing will not be offered for this project.

The purpose of this project is to replace bridge M3208 on Highway 84 over Beauchamp Creek in Hot Spring County. Total project length is 0.43 mile. A project location map is attached.

The existing Highway 84 roadway consist of two 9' wide paved travel lanes with 2' wide grass shoulders. The existing average right of way width is 80'-100'. Proposed improvements include two 11' wide paved travel lanes with 4' (2' paved) wide shoulders. Proposed right of way width will be 180'. Approximately 0.3 acre of additional right of way will be required for this project. Of this acreage, approximately 0.3 acre of prime farmland will be impacted. Form NRCS-CPA-106 is attached for the farmland impacts.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2023	1,100	4	55 mph
2043	1,300	4	55 mph

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

Based on the ARDOT noise policy, a noise analysis is not required for this project. The bridge replacement 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.

Hot Spring County participates in the National Flood Insurance Program. The Project lies within the Zone A Special Flood Hazard Areas. 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 substantial floodplain encroachment or risk to property or life.

The official species list obtained from the US Fish and Wildlife Service's (USFWS) Information for Planning and Consultation website list the northern long-eared bat (*Myotis septentrionalis*), Eastern Black Rail (*Laterallus jamaicensis spp. jamaicensis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), Arkansas Fat Mucket (*Lampsilis powellii*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pink Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Spectaclecase (*Cumberlandia monodonta*), monarch butterfly (*Danaus plexippus*) and Missouri bladderpod (*Physaria filiformis*) as species potentially occurring within the project area.

Utilizing the revised February 5, 2018 FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the northern long-eared bat (PBO) determination key, it has been determined the project may affect the northern long-eared bat.

Based on the lack of habitat and distance to known species, it has been determined that the project will have no effect on the Eastern Black Rail, Piping Plover, Red Knot, Arkansas Fat Mucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot, Spectaclecase, and Missouri bladderpod.

The monarch butterfly is a candidate species and as such is not federally protected under the Endangered Species Act. However, The USFWS recommends agencies implement conservation measures for candidate species in action areas as these are species, by definition, that may warrant future protection under the Act. ARDOT will plant native wildflowers after construction as a conservation measure.

Total impacts to waters of the United States are estimated at less than 0.1 acre. Construction should be allowed under the terms of a Section 404 Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82 (4): 1860-2008. A pre-construction notification is not required.

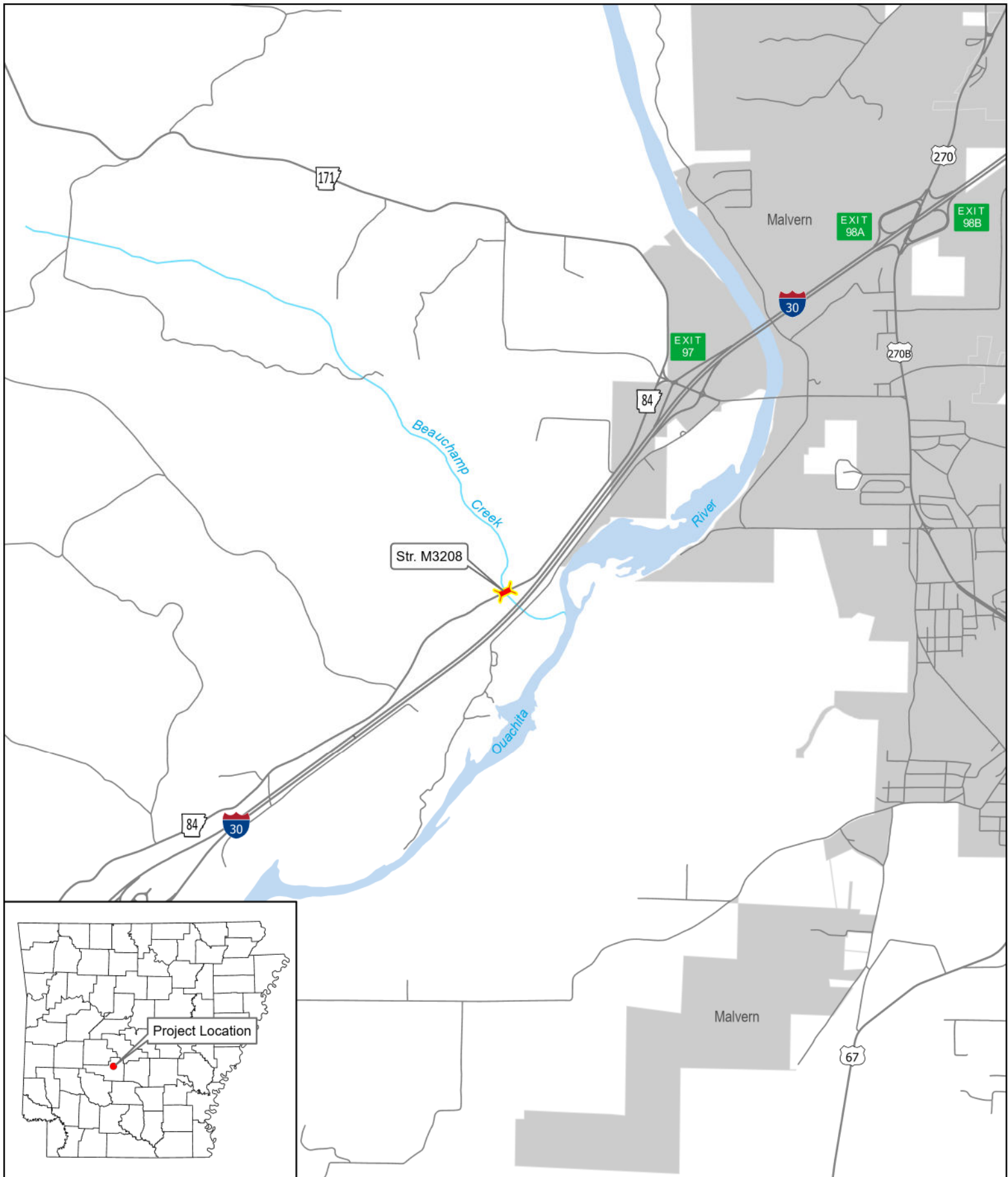
A Phase I Virtual Public Involvement meeting will be held for this project at a later date.

JF:JG:fc

Attachments:

- Project Location Map
- Form NRCS-CPA-106
- SHPO Clearance
- Design Request
- Environmental Study Checklist

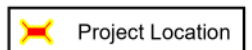
c: Program Management
Right of Way
Roadway Design
Bridge Division
District 6
FHWA



0 1,500 3,000
Feet

ARDOT - Environmental GIS - Strawn
October 25, 2021

Job 061743
Beauchamp Creek Str. & Apprs.
(Hwy. 84)
Hot Spring County





Asa Hutchinson
Governor
Stacy Hurst
Secretary

September 10, 2021

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

RE: Hot Spring County: General
Section 106 Review: FHWA
Proposed Undertaking: Beachamp Creek Str. & Apprs. (S)
Route 84, Section 6
ARDOT Job Number: 061743
AHPP Tracking Number: 108479.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the project identification form (PIF) for the above referenced undertaking in Section 20, Township 4 South, Range 17 West in Hot Spring County, Arkansas. The project proposes to replace one bridge (M3208) with a concrete culvert on the existing alignment on Highway 84 west of Malvern. The total area of potential effect (APE), which includes a new right-of-way, is 0.3 acres. A total of 12 shovel tests were excavated in the APE, all of which were negative for cultural materials.

Based on the provided information, the AHPP concurs that there will be no affect to historic properties pursuant to 36 CFR § 800.5(b)(1) as a result of this undertaking. In the event of a post-review discovery of historic properties within the area of potential effects, 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, the Chickasaw Nation, the Choctaw Nation of Oklahoma, the Jena Band of Choctaw Indians, the Osage Nation, the Quapaw Nation, and the Shawnee Tribe. We recommend consultation in accordance with 36 CFR § 800.2(c)(2).

Thank you for the opportunity to review this undertaking. Please refer to the AHPP Tracking Number listed above in all correspondence. If you have any questions, call Jessica Cogburn at 501-324-9357 or email jessica.cogburn@arkansas.gov.

Sincerely,
Jessica H.
Cogburn

Digitally signed by Jessica H.
Cogburn
Date: 2021.09.10 16:13:11
-05'00'

for
Scott Kaufman
Director, AHPP

cc: Mr. Randal Looney, Federal Highway Administration
Dr. Melissa Zabecki, Arkansas Archeological Survey

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

PART I (To be completed by Federal Agency) Job 061743		3. Date of Land Evaluation Request 1/18/2022	4. Sheet 1 of 1
1. Name of Project Beauchamp Creek Str. & Apprs. (S)		5. Federal Agency Involved FHWA	
2. Type of Project Bridge Replacement		6. County and State Hot Spring County, AR	
PART II (To be completed by NRCS)		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 <input type="checkbox"/> NO <input type="checkbox"/>		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	0.3 acre			
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	0.3 acre			
B. Total Acres Statewide And Local Important Farmland	0 acre			
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)	100			
--	------------	--	--	--

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	0			
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			
TOTAL CORRIDOR ASSESSMENT POINTS	160	30	0	0	0

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	100	0	0	0
Total Corridor Assessment (From Part VI above or a local site assessment)	160	30	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	130	0	0	0

1. Corridor Selected: Along existing alignment	2. Total Acres of Farmlands to be Converted by Project: 0.3 acres of Imp. 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: Joshua Graham DATE **1/18/2022**

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

Clear Form

ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST FOR CONSIDERATION OF POTENTIAL IMPACTS

ARDOT Job 061743 FAP NHPP-0030(32)

Job Title Beauchamp Creek Str. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No air quality/MSAT impacts
Cultural Resources	X			SHPO clearance attached
Economic	X			No adverse impacts
Endangered Species		X		"May affect" determination on NLEB
Environmental Justice/Title VI	X			No impacts anticipated
Fish and Wildlife		X		Minimal during construction
Floodplains		X		Within Zone A
Forest Service Property	X			None in project area
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use		X		0.3 acre of additional ROW
Migratory Birds		X		Migratory bird SP included
Navigation/Coast Guard	X			No navigable waterways involved
Noise Levels	X			No increases due to project
Prime Farmland		X		0.3 acre of Prime Farmland
Protected Waters	X			None in the project area
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA	X			None in the project area
Relocates	X			No relocations
Section 4(f)/6(f)	X			No 4f/6f resources 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		Less than 0.1 acre impacts
Water Quality		X		Temporary decrease during construction
Wetlands	X			None in the project area
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 Nationwide Permit 14

Remarks:

A pre-construction notification is not required.

Signature of Evaluator  Date 1/19/2022

Date Sent: October 22, 2021

ROADWAY DESIGN REQUEST

Job Number 061743 FAP No. _____ County Hot Spring

Job Name Beauchamp Creek Str. & Apprs.

Design Engineer George Davison Environmental Staff _____

Detailed Project Description This project consists of replacing a bridge structure on existing location with a box culvert. The site will be closed during construction with a signed detour route.

A. Existing Conditions:

Roadway Width: 22' Shoulder Type/Width: 2' (grass)

Number of Lanes and Width: 2 – 9' Existing Right-of-Way: 80'-120'

Sidewalks? N/A Location: N/A Width: N/A

Bike Lanes? N/A Location: N/A Width: N/A

B. Proposed Conditions:

Roadway Width: 30' Shoulder Type/Width: 4' (2' paved)

Number of Lanes and Width: 2 – 11' Proposed Right-of-Way: 180'

Sidewalks? N/A Location: N/A Width: N/A

Bike Lanes? N/A Location: N/A Width: N/A

C. Construction Information:

If detour: Where: N/A Length: N/A

D. Design Traffic Data:

2023 ADT: 1100 2043 ADT: 1300 % Trucks: 4

Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.04 mile(s)

F. Justification for proposed improvements: The timber substructure is in poor condition.

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

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

Agency/Official	Person Contacted	Date
County Judge	Dennis Thornton	10/22/2021