



INTEROFFICE MEMORANDUM

October 16, 2019

TO: Master Files

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

SUBJECT: Job Number 101001
FAP Number NHPP-0047(76)
Ditch No. 35 Str. & Apprs. (S)
Route 120, Section 1
Bridge Number M1834
Mississippi County
Tier 2 Categorical Exclusion

The Environmental Division reviewed the referenced project and has determined 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 in poor condition on Highway 120 over Ditch No. 35 in Mississippi County. Total length of the project is 0.398 mile. The attached figure illustrates the project location.

The existing roadway consists of two 10' wide paved travel lanes with 4' wide unpaved shoulders. The existing bridge (M1834) is 62' x 28'.

Proposed improvements include a reinforced concrete box culvert with two 11' wide paved travel lanes and 4' wide shoulders (2' paved). The project could acquire up to 12.14 acres of additional right of way.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2020	330	8	55 mph
2040	410	8	55 mph

There are no relocations, environmental justice issues, or floodplains 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. Up to 0.24 acres of Farmland of Statewide Importance may be converted to highway right of way. Form NRCS-CPA-106 is attached. 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.

Based on the ARDOT's noise policy, a noise analysis is not required for this project. The project does not involve added capacity, construction of new through lanes or auxiliary lanes, substantial 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.

There will be no wetland impacts due to construction of the proposed project, and stream impacts are estimated to be less than 0.1 acre. Construction should be covered under the terms of a 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's (USFWS) Information for Planning and Consultation website lists the Piping Plover (*Charadrius melodus*), pallid sturgeon (*Scaphirhynchus albus*), Fat Pocketbook (*Potamilus capax*), Rabbitsfoot (*Theliderma cylindrica*), and the Scaleshell Mussel (*Leptodea letodon*) as protected species potentially occurring in the proposed project. Based on the lack of habitat, distance to known species, and scope of the project, it has been determined that the proposed project will have "no effect" on the aforementioned federally listed species.

Attachments:
Project Location Map
SHPO Clearance
Form NRCS-CPA-106
Environmental Study Checklist
Design Criteria

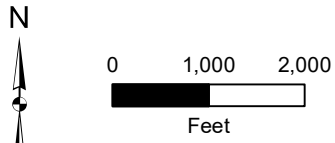
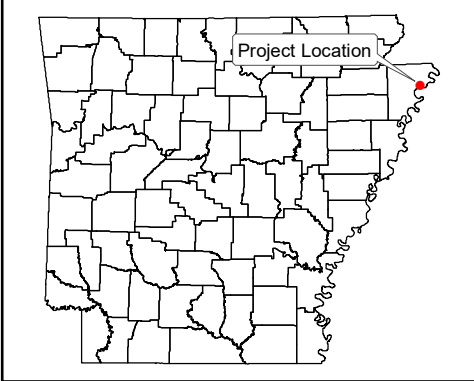
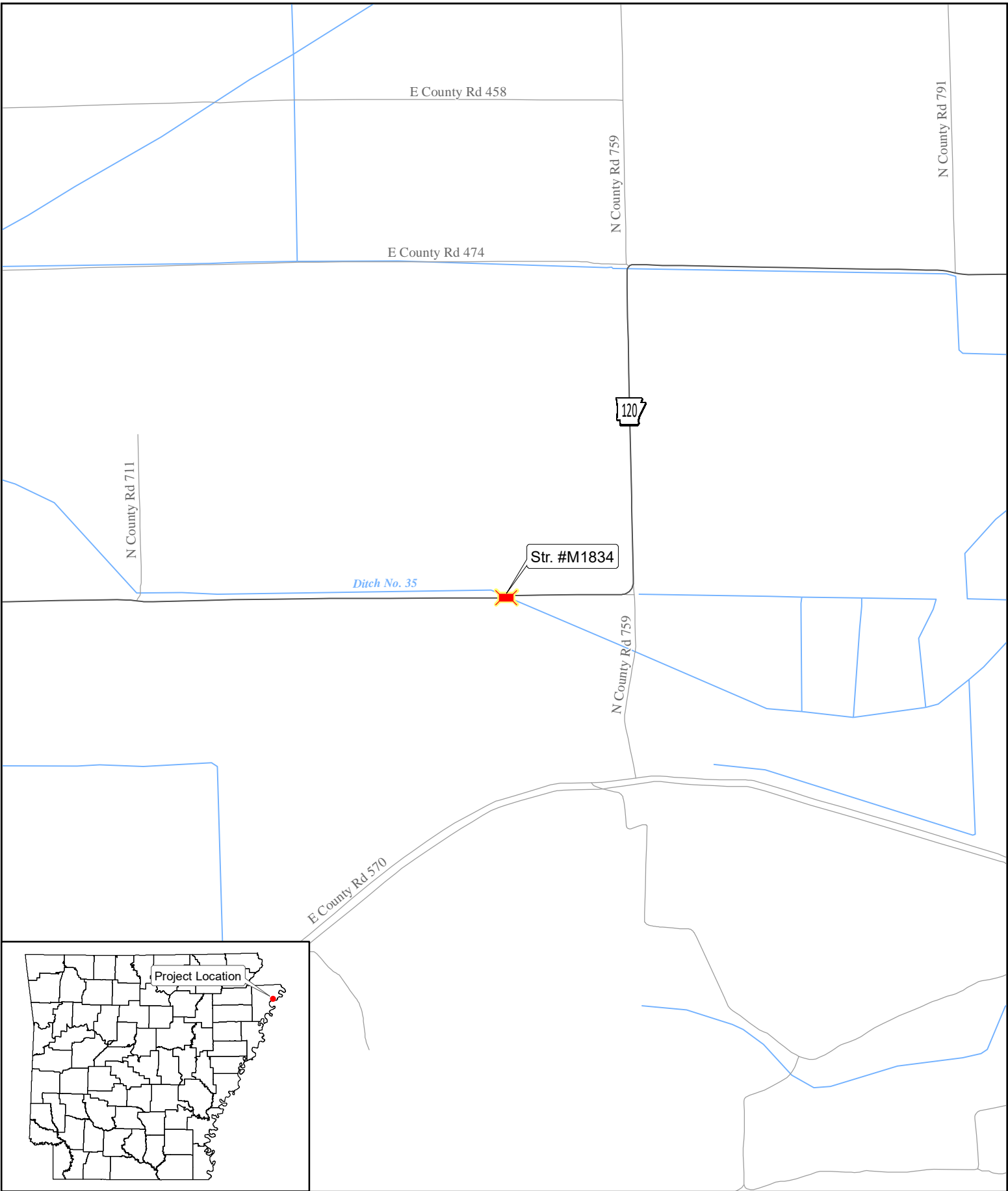
Approved:



Kevin Thornton
Assistant Chief Engineer-Planning

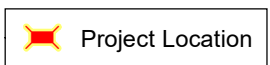
JF:JB:am

c: Program Management
Right of Way
Roadway Design
District 10
FHWA



ARDOT - Environmental GIS - Hopkins
October 7, 2019

Job 101001
Ditch No. 35 Str. & Apprs.
(Hwy. 120)
Mississippi County





THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

June 19, 2019

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

RE: Mississippi County — General
Section 106 Review — FHWA
Response Letter: Ditch No. 35 Str. & Apprs. (S)
Route 120, Section 1
ARDOT Job Number: 101001
AHPP Tracking Number: 104060

Dear Mr. Fleming:


The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the Cultural Resource Survey Report for the above-referenced job. The undertaking entails replacement of Bridge M1834 on East State Highway 120, northeast of Luxora in Mississippi County.

Based on the provided information in the Project Identification Form, the AHPP concurs that **Bridge Number M1834 and Site 3MS0958 are not eligible** for inclusion in the National Register of Historic Places. The AHPP also concurs with the finding of **no historic properties affected pursuant to 36 CFR § 800.4(d)(1)** for the proposed undertaking.

Tribes that have expressed an interest in the area include the Cherokee Nation (Ms. Elizabeth Toombs), the Osage Nation (Dr. Andrea Hunter), the Quapaw Nation (Mr. Everett Bandy), and the Shawnee Tribe of Oklahoma (Ms. Tonya Tipton). We recommend consultation in accordance with 36 CFR § 800.2(c)(2).

Thank you for the opportunity to review this undertaking and thorough report. 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

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- Arkansas Arts Council
 -
 - Arkansas Historic Preservation Program
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 - Arkansas Natural Heritage Commission
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 - Arkansas State Archives
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 - Delta Cultural Center
 -
 - Historic Arkansas Museum
 -
 - Mosaic Templars Cultural Center
 -
 - Old State House Museum
-



ARKANSAS HISTORIC
PRESERVATION PROGRAM



1100 North Street
Little Rock, AR 72201

(501) 324-9880
fax: (501) 324-9184

info@arkansaspreservation.org
www.arkansaspreservation.com

FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency) Job 101001	3. Date of Land Evaluation Request 10/10/19	4. Sheet 1 of
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1. Name of Project Ditch No. 35 Str. & Apprs. (S)	5. Federal Agency Involved FHWA
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2. Type of Project Bridge Replacement	6. County and State Mississippi AR.
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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 NO	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**

	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres To Be Converted Directly				
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor				

PART IV (To be completed by NRCS) Land Evaluation Information

A. Total Acres Prime And Unique Farmland	
B. Total Acres Statewide And Local Important Farmland	0.24
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted	
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value	

PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
1. Area in Nonurban Use	15	15			
2. Perimeter in Nonurban Use	10	10			
3. Percent Of Corridor Being Farmed	20	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			
TOTAL CORRIDOR ASSESSMENT POINTS	160	50			

PART VII (To be completed by Federal Agency)

Relative Value Of Farmland (From Part V)	100	100			
Total Corridor Assessment (From Part VI above or a local site assessment)	160	50			
TOTAL POINTS (Total of above 2 lines)	260	150			

1. Corridor Selected: <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing	2. Total Acres of Farmlands to be Converted by Project: .24 acres of Farmland of Statewide Importance	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:

Signature of Person Completing this Part: _____ DATE: _____

John Baber 10/10/19

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

ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 101001 FAP Number NHPP-0047(76)
 Job Title Ditch No, 35 Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			No impacts
Construction Impacts	X			No impacts
Cultural Resources	X			No impacts anticipated
Economic	X			No impacts
Endangered Species	X			No Effect determination
Energy Resources	X			No impacts
Environmental Justice/Title VI	X			No protected populations
Fish and Wildlife		X		Temporary during construction
Floodplains	X			None occur in the project area
Forest Service Property	X			None occur in the project area
Hazardous Materials/Landfills	X			None in project area
Land Use Impacts	X			No impacts
Migratory Birds		X		Migratory Bird SP included
Navigation/Coast Guard	X			No navigable waterwas involved
Noise Levels	X			No increase due to project
Prime Farmland	X			0.24 Farmland of Statewide Importance
Protected Waters	X			None in project ara
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA	X			None in project area
Relocates	X			No relocations
Section 4(f)/6(f)	X			No 4f/6f resources present
Social	X			No impacts to social environment
Underground Storage Tanks	X			No UST's in project area
Visual Impacts	X			No changes in visual environment
Stream Impacts		X		Temporary during construction
Water Quality		X		Temporary 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 NW14

Remarks: _____

Signature of Evaluator John Baker Date 10/10/19

PROJECT DESIGN CRITERIA

DATE: September 24, 2019

REV.: _____

JOB NO: 101001 ROUTE / SECTION: 120 / 1 LENGTH: 0.25 mile COUNTY: Mississippi
 JOB NAME: Ditch No. 35 Str. & Apprs. (S) MIN ORDER: 2018-080
 2020 ADT: 330 2040 ADT: 410 TRUCK: 8% 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' / Unpaved
 BIKE/PED ACCOMMODATIONS: No CRASH RATE: 0.00 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
M1834	2.61	62.5' x 28.4'	Timber Multi-Beam	31.96	4	6	4	0

* Refer to PDC Bridge Information Codes

RECOMMENDED CRITERIA

NO. OF LANES: 2 WIDTH: 11' SHOULDERS (WIDTH/TYPE): 4' (2' paved)
 DIVIDED: No MEDIAN WIDTH: N/A PARKING: No
 BRIDGE WIDTHS: N/A DESIGN SPEED - RURAL: 55 mph URBAN: N/A
 DEGREE OF ACCESS CONTROL: None CLEAR ZONE: 18' @ 4:1
14' @ 6:1
 LOCATION OF INTERCHANGES: N/A CHANNELIZED INTERSECTION: As warranted
 TRAFFIC SIGNALS: As warranted RR X-ING PROTECTION: N/A
 BIKE/PED ACCOMMODATIONS: None
 PREVIOUS PLANNING STUDY: None
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS: NHPP
 PRELIM COST ESTIMATE: ROADWAY: \$1,100,000 BRIDGE: \$0 TOTAL: \$1,100,000

REMARKS:

R.C. Box Culvert
 Use AASHTO Green Book

RECOMMENDED BY:

Charles Ellis: *Charles R. Ellis*
 Date: 9-26-19

Trinity Smith: *Trinity Smith*
 Date: 9/24/19

APPROVED BY:

Mike Fugett: *[Signature]*
 ACE-Design

Date: 9/30/19

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