



INTEROFFICE MEMORANDUM

August 7, 2019

TO: Master Files

FROM:  John Fleming, Division Head, Environmental Division 

SUBJECT: Job Number 110702
FAP Number NHPP-0068(44)
Hwy. 1B Str. & Apprs. (S)
Route 1B, Section 11B
Bridge Number M0030
St. Francis 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 replace the weight-posted bridge on southbound Highway 1B over Candy Creek in St. Francis County. The current bridge is a 40' x 27' concrete slab built in 1934. The highway cross section would be improved from two 12' paved travel lanes with 3' paved shoulders to include 8' paved shoulders on the outside and 6' shoulders (4' paved) on the inside. The proposed project would require acquisition of up to 2.6 acres of right of way.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2020	2,700 vpd	3	60 mph
2040	3,300 vpd		

The project will not involve relocations, wetlands, underground storage tanks, hazardous materials, environmental justice issues, cultural resources, or public water supplies. 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 project will impact up to 2.6 acres of prime farmland. The Natural Resources Conservation Service prime farmland worksheet and State Historic Preservation Officer clearances are attached.

There would be minor impacts to Candy Creek, less than 0.1 acre, as a result of the proposed bridge replacement. 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 U.S. Fish and Wildlife Service Information for Planning and Consultation website lists the pallid sturgeon (*Scaphirhynchus albus*) and the Fat Pocketbook (*Potamilus capax*) as species potentially affected by the proposed project. Based on the lack of habitat and distance to known species, it was determined that the proposed project will have “no effect” on all listed species.

Based on the ARDOT noise policy, a noise analysis is not required for this project. The project does not involve adding through-traffic lanes, increasing capacity, reducing the distance to noise sensitive receptors by 50% of the existing distance, or exposing noise sensitive land uses to a new traffic noise source. The bridge will be replaced either on the existing location or on an alignment that is not substantially different from the existing alignment. In compliance with federal guidelines, local authorities will not require notification.

St. Francis County participates in the National Flood Insurance Program. The project lies 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 will constitute a substantial floodplain encroachment or a risk to property or life.

Attachments:

Project Location Map
SHPO Clearance
Environmental Study Checklist
Prime Farmland Worksheet
Design Criteria

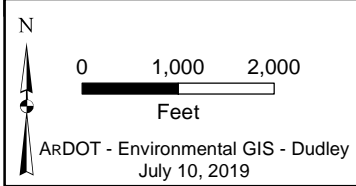
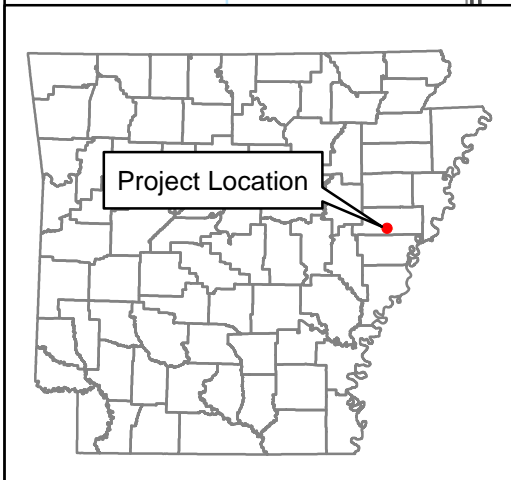
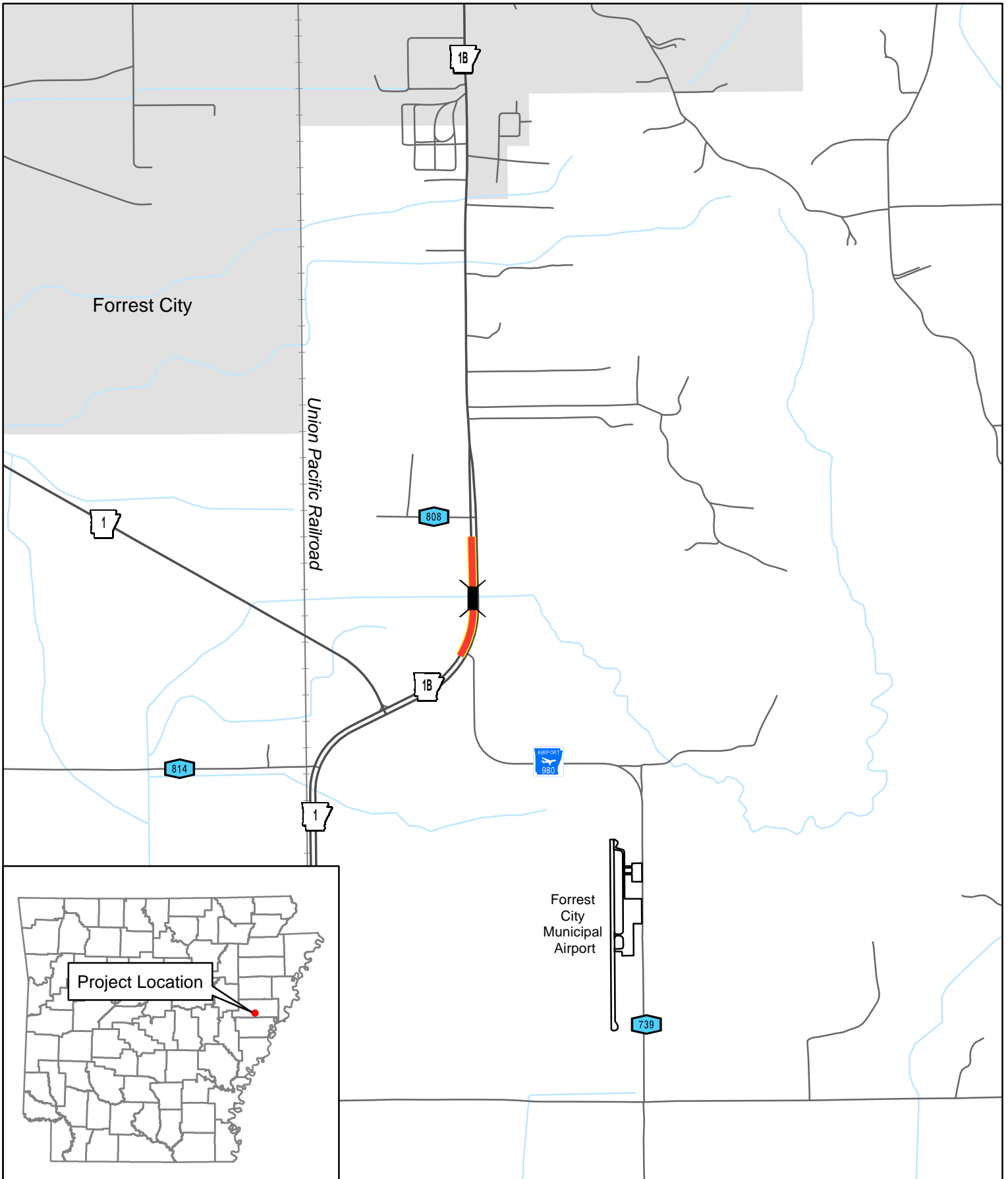
Approved:



Kevin Thornton
Assistant Chief Engineer-Planning

JF:SS:am

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



Job 110702
Hwy. 1B Str. & Apprs.
St. Francis County





THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

May 8, 2019

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

Arkansas Arts Council

*

Arkansas Historic
Preservation Program

*

Arkansas Natural
Heritage Commission

*

Arkansas State Archives

*

Delta Cultural Center

*

Historic Arkansas Museum

*

Mosaic Templars
Cultural Center

*

Old State House Museum

RE: St. Francis County — General
Section 106 Review — FHWA
Response Letter: Hwy. 1B Str. & Apprs. (S)
Route 1B, Section 11B
ARDOT Job Number: 110702
AHPP Tracking Number: 103186.04

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the Project Identification Form for the above-referenced project. The undertaking entails replacing Bridge Number M0030 on Highway 1B south of Forrest City in Sections 15 and 16, Township 4 North, Range 3 East in St. Francis County. The design plans were under development at the time of the cultural resources survey. Therefore, ARDOT personnel utilized an expansive investigation area totaling 1,935 feet (589 meters) in length covering an area of 9.18 acres (3.7 hectares).

Shovel tests on both sides of the highway proved negative for cultural materials. In previous correspondence, the AHPP concurred that Bridge M0030 is not eligible for listing in the National Register of Historic Places (AHPP Tracking Number 103186). The AHPP 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 Chickasaw Nation (Ms. Karen Brunso), the Choctaw Nation of Oklahoma (Mr. Daniel Ragle), the Muscogee (Creek) Nation (Ms. Corain Lowe-Zepeda), 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).



ARKANSAS HISTORIC
PRESERVATION PROGRAM



1100 North Street
Little Rock, AR 72201

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

info@arkansaspreservation.org
www.arkansaspreservation.com

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, 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 110702	3. Date of Land Evaluation Request 8/2/19	4. Sheet 1 of
--	---	---------------

1. Name of Project Hwy. 1B Str. & Apprs.	5. Federal Agency Involved FHWA
--	---------------------------------

2. Type of Project Bridge Replacement	6. County and State St. Francis 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 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
--	---	---

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	2.6			
--	-----	--	--	--

B. Total Acres Statewide And Local Important Farmland				
---	--	--	--	--

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			
---	-----	----	--	--	--

X _____ (of above 2 lines)	260	150			
----------------------------	------------	-----	--	--	--

ing	2. Total Acres of Farmlands to be Converted by Project: 2.6 acres of Prime 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: _____ DATE _____

John Baber

8/2/19

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

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

ARDOT Job Number 110702 FAP Number NHPP-0068(44)

Job Title Hwy. 1B Str. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments
Air Quality	X			No impacts anticipated
Cultural Resources	X			None in project area
Economic	X			No impacts anticipated
Endangered Species	X			"No effect" to all listed species
Environmental Justice/Title VI	X			No impacts anticipated
Fish and Wildlife		X		Temporary during construction
Floodplains		X		Project in Zone A SFHA
Forest Service Property	X			Not within USFS boundary
Hazardous Materials/Landfills	X			None known in project area
Land Use		X		2.6 acres proposed right of way
Migratory Birds	X			Migratory Bird SP added to contract
Navigation/Coast Guard	X			No navigable waterways in project area
Noise Levels	X			No increases due to project
Prime Farmland		X		2.6 acres prime farmland impacts
Protected Waters	X			None in project area
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA	X			None in project area
Relocatees	X			No relocations
Section 4(f)/6(f)	X			None in project area
Social	X			No impacts to the social environment
Underground Storage Tanks	X			None in project area
Visual	X			No impacts anticipated
Streams		X		<0.1 acre impacts to Candy Creek
Water Quality		X		Temporary during construction
Wetlands	X			None in project area
Wildlife Refuges	X			None in 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: .

Signature of Evaluator Susan Staffeld Date August 2, 2019

PROJECT DESIGN CRITERIA

DATE: June 25, 2019
REV.: _____

JOB NO: 110702 ROUTE / SECTION: 1B/11B LENGTH: 0.04 mile COUNTY: St. Francis
 JOB NAME: Hwy. 1B Str. & Apprs. (S) MIN ORDER: 2018-080
 2020 ADT: 2,700 2040 ADT: 3,300 TRUCK: 3% 4-LANE GRID SYSTEM: No
 APHN: Yes INCENTIVE/DISINCENTIVE: No FUNCTIONAL CLASSIFICATION: Minor Arterial

EXISTING CONDITIONS

ROADWAY WIDTH: 30' WIDTH OF TRAVELED WAY: 24' SHOULDERS (WIDTH/TYPE): 3' Paved
 CRASH RATE: 0.61 STATEWIDE CRASH RATE: 0.80

BRIDGE INFORMATION

Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck Rating	Superstructure Rating	Substructure Rating	Posted
M0030	0.46	40.0' x 27.0'	Concrete Slab	52.28	6	6	7	2

* Refer to PDC Bridge Information Codes

RECOMMENDED CRITERIA

NO. OF LANES: 2 WIDTH: 12' SHOULDERS (WIDTH/TYPE): 8' Paved (outside)/6' (4' Paved) (Inside)
 DIVIDED: Yes MEDIAN WIDTH: 60' PARKING: No
 BRIDGE WIDTHS: 38' DESIGN SPEED - RURAL: 60 mph URBAN: N/A
 DEGREE OF ACCESS CONTROL: None CLEAR ZONE: 6:1 - 30'
 LOCATION OF INTERCHANGES: N/A CHANNELIZED INTERSECTION: N/A
 TRAFFIC SIGNALS: N/A RR X-ING PROTECTION: N/A
 PREVIOUS PLANNING STUDY: None
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS: NHPP
 PRELIM COST ESTIMATE: ROADWAY: \$500,000 BRIDGE: \$500,000 TOTAL: \$1,000,000

REMARKS:

Replace 1 Bridge on southbound lanes.
 Use AASHTO Green Book

RECOMMENDED BY:

Charles Ellis: *Charles R. Ellis*
 Date: 7/1/19

Trinity Smith: *Trinity Smith*
 Date: 6/25/19

APPROVED BY:

Mike Fugett: *[Signature]*
 ACE-Design

Date: 7-2-19

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