



INTEROFFICE MEMORANDUM

January 23, 2019

TO: Master Files

FROM: *JF* John Fleming, Division Head, Environmental Division *h Price*

SUBJECT: Job Number 100834
FAP Number NHPP-0047(67)
Ditch at L.M. 0.82 Str. & Apprs. (S)
Route 312, Section 1
Bridge Number M2853
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 replace Bridge Number M2853 over Ditch No. 17 on Highway 312 in Mississippi County. Total length of the project is 0.1 mile. A project location map is attached.

The existing roadway consist of two 10' wide paved travel lanes with 4' wide gravel shoulders. The existing 3-span steel bridge has a concrete deck on timber substructure and is structurally deficient. The existing right of way width is 80'.

Proposed improvements include two 12' wide paved travel lanes with 8' wide (2' paved) shoulders. The bridge will be replaced with a quadruple 10' x 10' x 84' RC box culvert on the existing location. The proposed right of way width will be 240'. Approximately 1.3 acres of additional 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
2019	1,900	5	60 mph
2039	2,100	5	60 mph

The project will not involve relocations, prime farmlands, wetlands, underground storage tanks, hazardous materials, environmental justice issues, or cultural resources. The State Historic Preservation Officer's clearance 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 (MSAT) concerns.

The proposed project will replace the existing bridge over Ditch Number 17 (intermittent stream) with a quadruple box culvert on existing location. Construction of the project will require a temporary detour to be placed approximately 58' upstream of the existing structure. Total impacts to waters of the United States are estimated at 0.1 acre. Construction should be allowed under the terms of a Section 404 Nationwide Permit 14 for Linear Transportation Crossings as defined in Federal Register 82 (4):1860-2008.

There were two threatened and two endangered species identified as potentially occurring within the project boundaries: Fat Pocketbook (*Potamilus capax*), Scaleshell (*Leptodea leptodon*), Interior Least Tern (*Sterna antillarum athalassas*), and Piping Plover (*Charadrius melodus*). Based on the lack of habitat and distance to known locations for these species, it is our determination that the proposed project will have no effect on these listed species.

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.

Attachments:

Project Location Map
SHPO Clearance
Environmental Study Checklist
Design Sheet

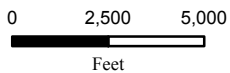
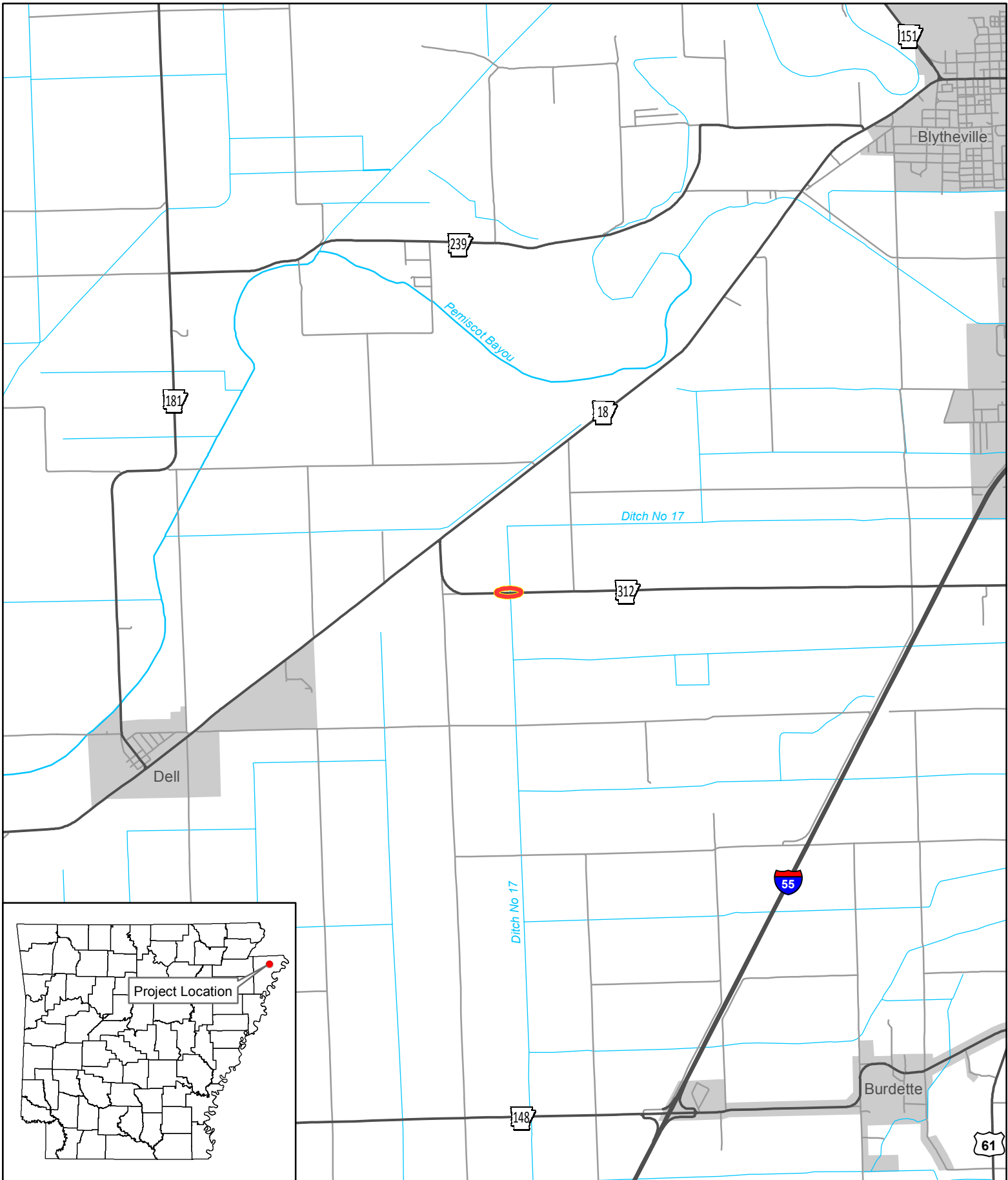
Approved:



Kevin Thornton
Assistant Chief Engineer-Planning

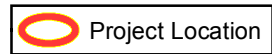
JF:SL:fc

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



ARDOT - Environmental GIS - Strawn
December 17, 2018

Job 100834
Ditch at L.M. 0.82 Str. & Apprs.
(Hwy. 312)
Mississippi County





THE DEPARTMENT OF ARKANSAS
HERITAGE

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Governor

Stacy Hurst
Director

December 20, 2018

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ENVIRONMENTAL
DIVISION

Mr. John Fleming
Division Head
Environmental Division
Arkansas State Highway and Transportation Department
PO 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: Mississippi County – General
Section 106 Review – FHWA
Ditch Number 17 at LM 0.82 Str. & Apprs. (S)
ARDOT Project Number 100834
AHPP Tracking Number 101008.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) has reviewed the documents included with your letter of November 14, 2018.

We have determined that ARDOT Bridge M2853 is not eligible for listing in the National Register of Historic Places (NRHP) and no further work is required.

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 of Oklahoma (Mr. Everett Bandy), and the Shawnee Tribe of Oklahoma (Ms. Tonya Tipton). We recommend that they be consulted in accordance with 36 CFR § 800.2 (c) (2).

Once the undertaking is further along in the planning stages, we look forward to reviewing the proposed project. If you should have any questions or comments, please do not hesitate to contact Theresa Russell of my staff at (501)-324-9880.

Sincerely,

Scott Kaufman
Director, AHPP

cc: Mr. Randal Looney, Federal Highway Administration
Dr. Ann Early, Arkansas Archeological Survey



ARKANSAS HISTORIC
PRESERVATION PROGRAM



1100 North Street
Little Rock, AR 72201

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

info@arkansaspreservation.org
www.arkansaspreservation.com

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

ARDOT Job Number 100834 FAP Number NHPP-0047(67)

Job Title Ditch at L.M. 0.82 Str. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No impacts anticipated
Cultural Resources	X			None in project area
Economic	X			Will not be impacted by project
Endangered Species	X			No effect determination
Environmental Justice/Title VI	X			No protected populations in project area
Fish and Wildlife	X			Agricultural area – no impacts expected
Floodplains	X			None occur in project area
Forest Service Property	X			None in the project area
Hazardous Materials/Landfills	X			No sites in project area
Land Use	X			Will not be impacted by project
Migratory Birds		X		Migratory Bird SP required
Navigation/Coast Guard	X			No navigable waterways involved
Noise Levels	X			No increases due to project
Prime Farmland	X			None in project area
Protected Waters	X			None occur in project area
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA	X			No public water supplies in project area
Relocatees	X			No relocations
Section 4(f)/6(f)	X			4f resources not 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		0.1 acre affected. NWP-14 required
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 Nationwide 14

Remarks:

Signature of Evaluator Sherry LeBlanc Date 1-22-2019

ROADWAY DESIGN REQUEST

Job Number 100834 FAP No. NHPP-0047(67) County Mississippi

Job Name Ditch at L.M. 0.82 Str. & Apprs. (S)

Design Engineer George W. Davison Environmental Staff _____

Brief Project Description Bridge Replacement

A. Existing Conditions:

Roadway Width: 28' Shoulder Type/Width: 4' Gravel

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

Sidewalks? N/A Location: _____ Width: _____

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

B. Proposed Conditions:

Roadway Width: 40' Shoulder Type/Width: 8' (2' Paved)

Number of Lanes and Width: 2 -12' Proposed Right-of-Way: 240'

Sidewalks? N/A Location: _____ Width: _____

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

C. Construction Information:

If detour: Where: 58' upstream Length: 812'

D. Design Traffic Data:

2019 ADT: 1900 2039 ADT: 2100 % Trucks: 5

Design Speed: 60 m.p.h.

E. Approximate total length of project: 0.095 mile(s)

F. Justification for proposed improvements: Bridge is structurally deficient

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

H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? No

Agency/Official	Person Contacted	Date

PCN Checklist

Job Number and Name: _____

Natural Resource Employee: _____

(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: _____