



INTEROFFICE MEMORANDUM

January 4, 2023

TO: Master Files

FROM:  John Fleming, Division Head, Environmental Division 

SUBJECT: Job 012442
FAP NHPP-0076(304)
Hydrodemolition Bridge Preservation (2023) (S)
Various Routes & Sections
Multiple Counties
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 preserve and rehabilitate various bridges in Districts 1, 2, 3, 4, 6, 7, and 9. The project will include hydrodemolition of 26 bridges. A figure is attached showing the location of the bridges.

The project will not involve relocations, prime farmlands, wetlands, 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 toxics concerns. The cultural resources clearance is attached. No Section 404 Permit will be required for this project.

The official species lists obtained through the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation identified the following species as potentially occurring within the project area: gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis*

septentrionalis), Ozark big-eared bat (*Corynorhinus townsendii ingens*), Eastern Black Rail (*Laterallus jamaicensis ssp. jamaicensis*), Ivory-Billed Woodpecker (*Campephilus principalis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), Red-Cockaded Woodpecker (*Picoides borealis*), Whooping Crane (*Grus americana*), Ozark hellbender (*Cryptobranchus alleganiensis bishopi*), leopard darter (*Percina pantherina*), Ozark cavefish (*Amblyopsis rosae*), pallid sturgeon (*Scaphirhynchus albus*), yellowcheek darter (*Etheostoma moorei*), Arkansas Fatmucket (*Lampsilis powellii*), Curtis Pearlymussel (*Epioblasma curtisii*), Fat Pocketbook (*Potamilus capax*), Louisiana Pearlshell (*Margaritifera hembeli*), Neosho Mucket (*Lampsilis rafinesqueana*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pick Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Scaleshell Mussel (*Potamilus leptodon*), Snuffbox Mussel (*Epioblasma triquetra*), Speckled Pocketbook (*Lampsilis streckeri*), Spectaclecase (*Cumberlandia monodonta*), Winged Mapleleaf (*Quadrula fragosa*), American burying beetle (*Nicrophorus americanus*), monarch butterfly (*Danaus plexippus*), Benton County cave crayfish (*Cambarus aculabrum*), Hell Creek cave crayfish (*Cambarus zophonastes*), Geocarpon (*Geocarpon minimum*), harperella (*Ptilimnium nodosum*), Missouri bladderpod (*Physaria filiformis*), and pondberry (*Lindera melissifolia*). This project will have “no effect” on the aforementioned federally listed species due to the limited scope of the action, lack of suitable habitat, and distance to known species locations.

JF:KR:sw

Attachments:

- Project Location Map
- Cultural Resources Clearance
- Environmental Study Checklist

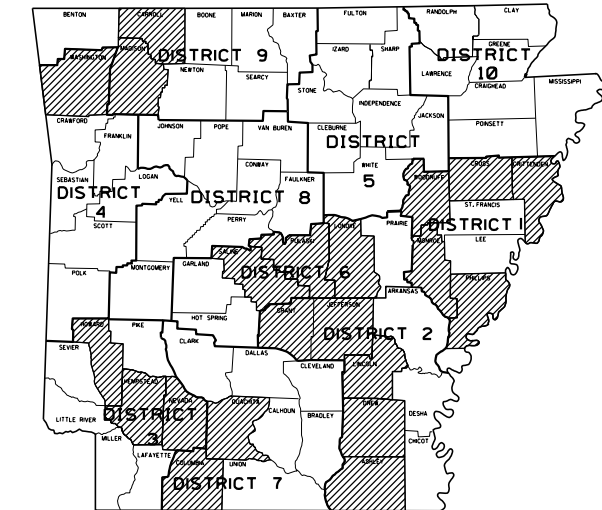
c: Program Management
Right of Way
Roadway Design
Districts 1, 2, 3, 4, 6, 7, & 9
FHWA

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	012442	1	41
HYDRODEMOLITION BRIDGE PRESERVATION (2023) (S)						

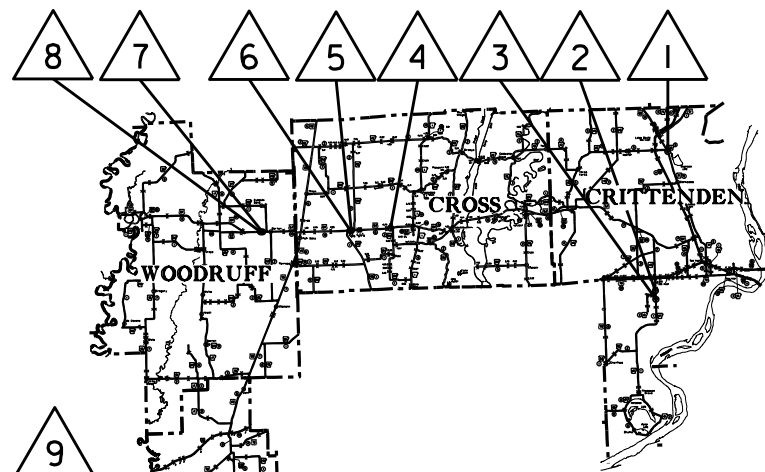
ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS

HYDRODEMOLITION BRIDGE
PRESERVATION (2023) (S)
VARIOUS COUNTIES
JOB 012442

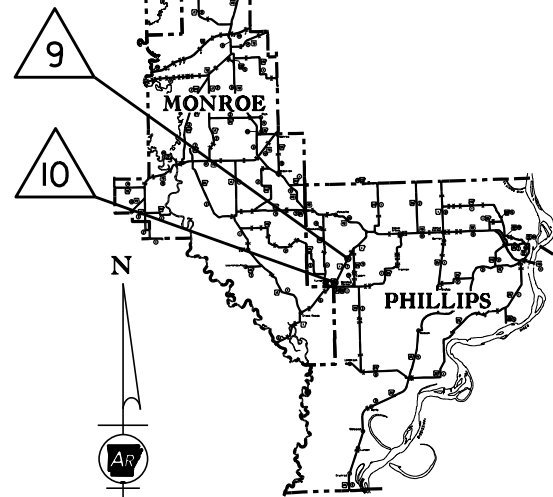
FED. AID PROJ. NHPP-0076(304)



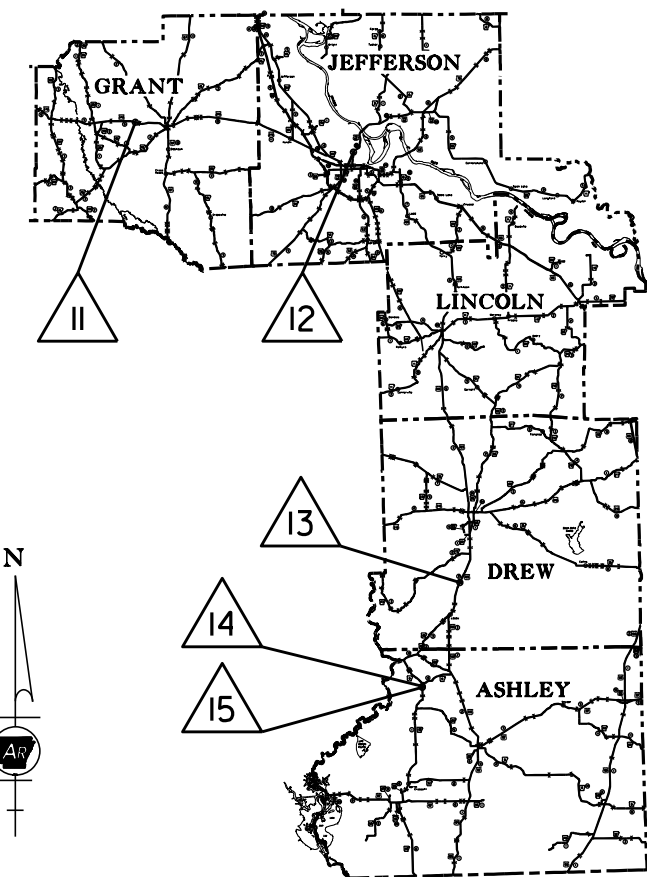
ARKANSAS HIGHWAY DISTRICTS 1, 2, 3, 4, 6, 7 & 9



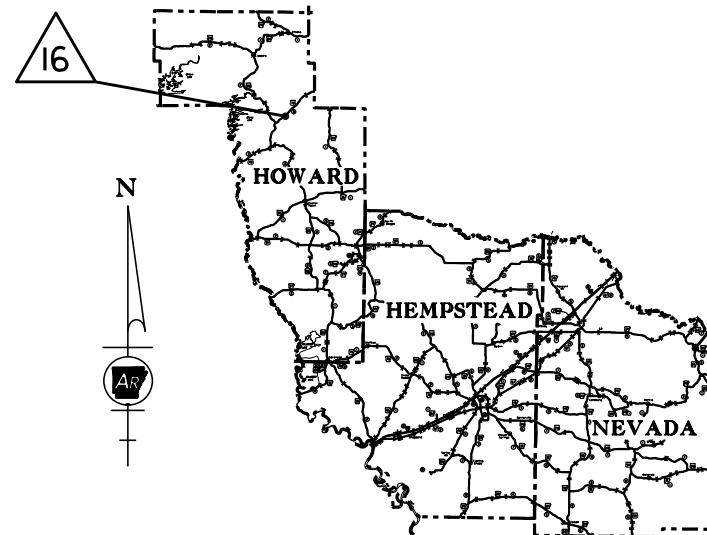
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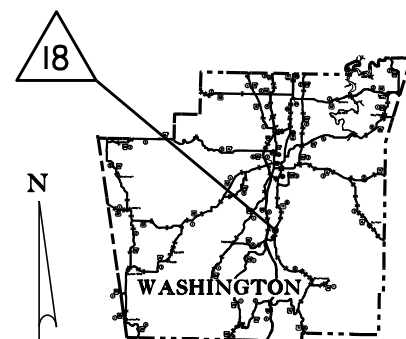
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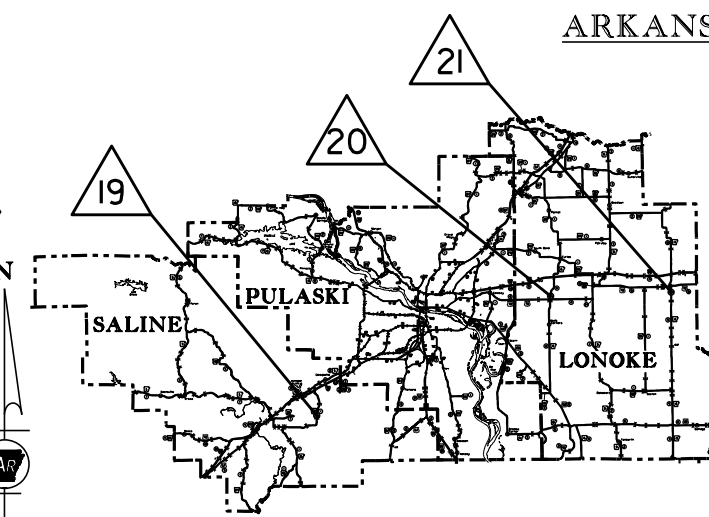
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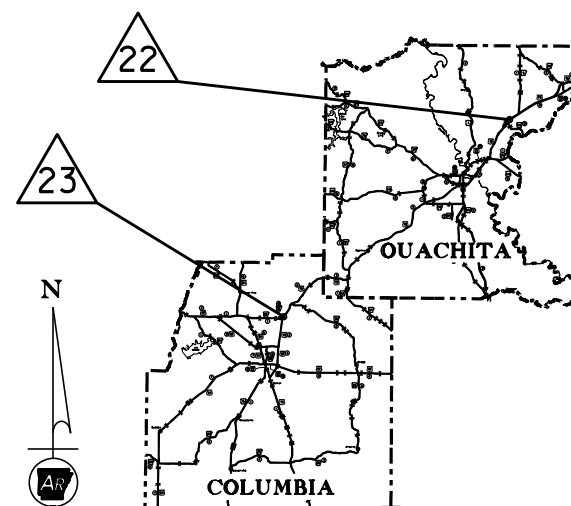
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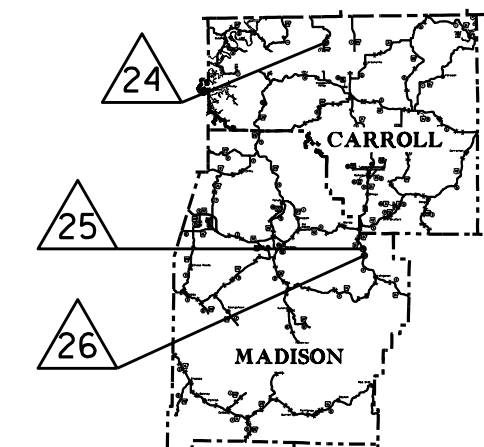
DISTRICT 5
NOT TO SCALE



DISTRICT 6
NOT TO SCALE



DISTRICT 7
NOT TO SCALE

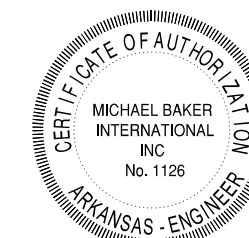


DISTRICT 8
NOT TO SCALE

NOTES:

- BRIDGE DATA IS ON PLAN SHEET 2.
- REFER TO SPECIAL DETAILS FOR INSET ENLARGEMENTS AT BRIDGE LOCATIONS.

LENGTH CALCULATED ALONG C.L. BRIDGES			
NET LENGTH OF ROADWAY	0000.00	FEET	0.000 MILES
NET LENGTH OF BRIDGES	7214.51	FEET	1.366 MILES
NET LENGTH OF PROJECT	7214.51	FEET	1.366 MILES





INTEROFFICE MEMORANDUM

November 30, 2022

TO: Environmental Job File

FROM: Mason Toms, Cultural Resources 

SUBJECT: Cultural Resources Clearance Addendum
Job 012442
Hydrodemolition Bridge Preservation (2023) (S)
Various Routes, Various Sections
Various Counties

This job now proposes to complete hydrodemolition on 26 bridges on multiple routes in multiple counties, with two bridges (Bridge Numbers 03819 and 05497) added to the project. Additional work is also proposed on the back walls of Bridge Number 05211, which was previously determined eligible for the National Register of Historic Places (NRHP) (AHPP Tracking Number 110509). The proposed work consists of the removal of portions of the existing abutment backwall to sound concrete and replacement with elastomeric mortar on Bridge 05211. No new right-of-way (ROW) will be acquired. All work will occur on the existing bridges.

A records check at the Arkansas Archeological Survey shows no sites in or adjacent to the two new bridge locations. The added bridges have been determined not eligible for inclusion in the NRHP (AHPP Tracking Number 110509.1). Records check of historic maps and aerial imagery were not done based on the limited scope of the project.

The highway infrastructure and known construction practices were examined to assess previous ground disturbance. This type of undertaking has no potential to cause effects to historic properties. All work will be within the existing ROW in previously disturbed areas, and the limited scope of the project occurs on the bridges. Therefore, this project requires no Section 106 review under Appendix C, Activities 14 and 15, of the 2021 Programmatic Agreement.

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

ARDOT Job 012442 FAP NHPP-0076(304)

Job Title Hydrodemolition Bridge Preservation (2023) (S)

Environmental Resource	None	Minimal	Major	Comments
Air Quality	X			No MSAT analysis required
Cultural Resources	X			Cultural resources clearance attached
Economic	X			No impacts anticipated
Endangered Species	X			No Effect determination
Environmental Justice/Title VI	X			No impacts anticipated
Fish and Wildlife	X			No impacts anticipated
Floodplains	X			No impacts anticipated
Forest Service Property	X			None in project area
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use	X			Will not be impacted by project
Migratory Birds	X			Migratory Bird SP included
Navigation/Coast Guard	X			None in project area
Noise Levels	X			No increases due to project
Prime Farmland	X			None impacted by the project
Protected Waters	X			See Remarks
Public Recreation Lands	X			No impacts anticipated
Public Water Supply/WHPA	X			No impacts anticipated
Relocates	X			No relocations
Section 4(f)/6(f)	X			No impacts anticipated
Social	X			No impacts anticipated
Underground Storage Tanks	X			No impacts anticipated
Visual	X			No impacts anticipated
Streams	X			No impacts anticipated
Water Quality	X			No impacts anticipated
Wetlands	X			None in project area
Wildlife Refuges	X			None in project area

Section 401 Water Quality Certification Required? N
 Short-term Activity Authorization Required? N
 Section 404 Permit Required? N Type N/A

Remarks: WPC SP: Structures 5571, 326, 3366, 3263, & 3820

Signature of Evaluator Kathryn Rose Date 12/8/2022