



ARKANSAS DEPARTMENT OF TRANSPORTATION

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INTEROFFICE MEMORANDUM

April 5, 2022

TO: Master Files

FROM:  John Fleming, Division Head, Environmental Division



SUBJECT: Job 101130
FAP NHPP-00281(67)
Hwy. 34 Str. & Apprs. (S)
Route 34, Section 4
Greene 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 M0779 on Highway 34 over an unnamed drainage in Greene County due to its poor condition. Total project length is 0.05 mile. A project location map is attached.

The existing Highway 34 roadway consist of two 10' wide paved travel lanes with 4' wide unpaved shoulders. The existing right of way width is between 80' - 105'.

Proposed improvements include two 11' wide paved travel lanes with 4' (2' paved) wide shoulders. Proposed right of way width will be between 80' - 215'. The bridge will be replaced on existing location with a temporary one lane detour built along the north side of the structure. Approximately 0.65 acre of additional right of way and 0.12 acre of temporary construction easement will be required for this project. Of this acreage, approximately 0.65 acre of important 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	1,600	9	55 mph
2043	1,900	9	55 mph

The project will not involve relocations, underground storage tanks/hazardous materials, floodplains, 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. Replacing the bridge with a box culvert 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.

The official species list obtained through US Fish and Wildlife Service's (USFWS) Information for Planning and Consultation website identifies the following federally listed species as having the potential to occur in the project area: Indiana bat (*Myotis sodalist*), pondberry (*Lindera melissifolia*), Eastern Black Rail (*Laterallus jamaicensis ssp. jamaicensis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), and the monarch butterfly (*Danaus plexippus*).

Due to the lack of suitable habitat, it has been determined that the project will have "no effect" on the listed bird species and pondberry. Following the Programmatic Biological Opinion, it has been determined that the project will have "no effect" on the Indiana bat.

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.

Permanent stream impacts are estimated at less than 300' and 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 should not be required.

A Phase I Virtual Public Involvement meeting will be held at a later date. The project design will be made available to the public for two weeks and comments will be accepted.

JF:JG:sw

Attachments:

Project Location Map

SHPO Clearance

Form NRCS-CPA-106

Environmental Study Checklist

Design Request

c: Program Management

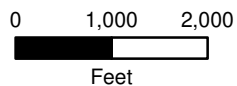
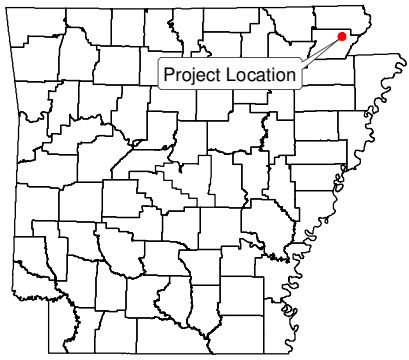
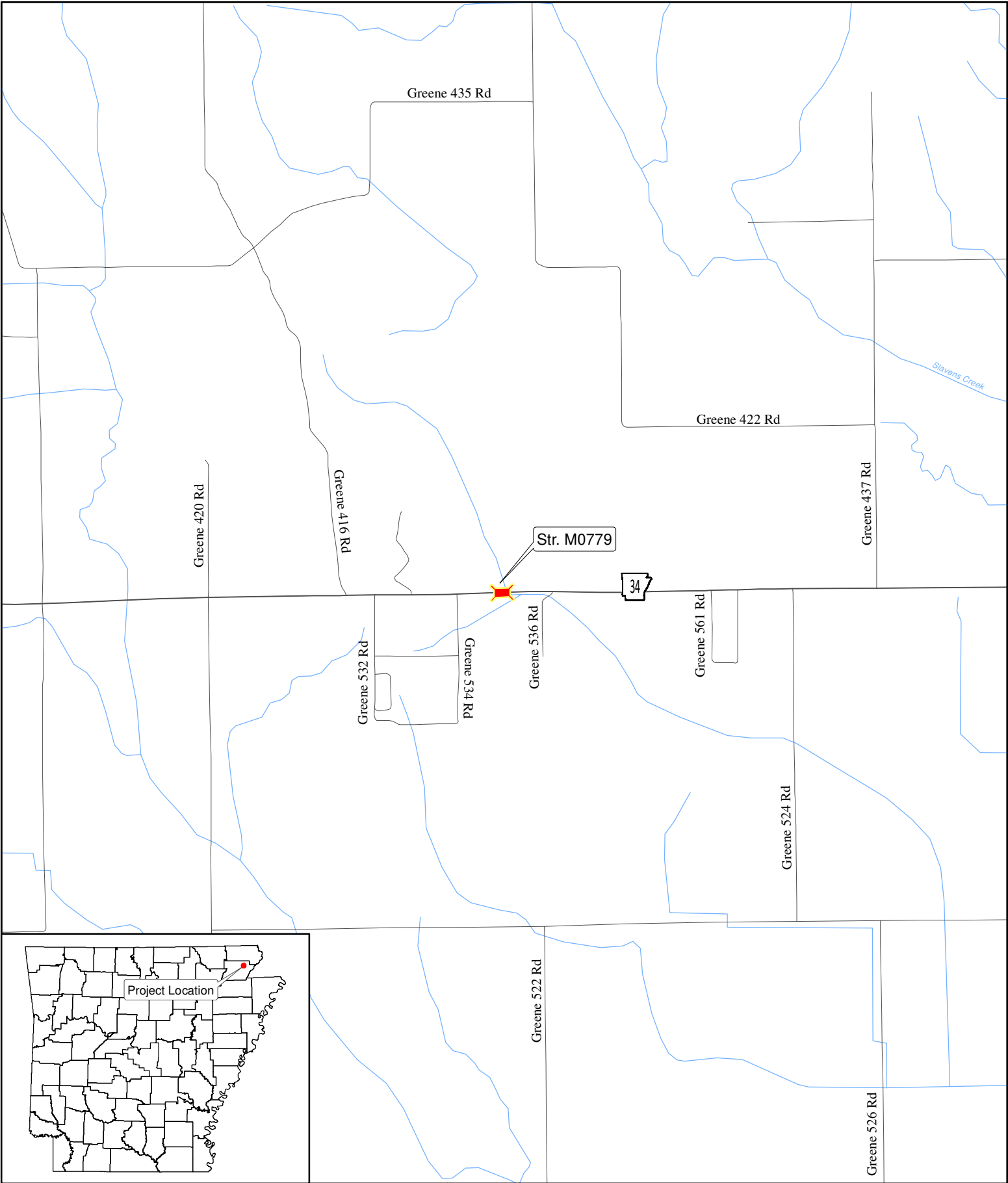
Right of Way

Roadway Design

Bridge Division

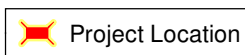
District 10

FHWA



ARDOT - Environmental GIS - Hopkins
March 4, 2022

Job 101130
Hwy. 34 Str. & Apprs.
Greene County





Asa Hutchinson
Governor
Stacy Hurst
Secretary

March 2, 2022

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

RE: Greene County: General
Section 106 Review: FHWA
Proposed Undertaking: Hwy. 34 Str. & Apprs. (S)
Route 34, Section 4
ARDOT Job Number: 101130
AHPP Tracking Number: 109419.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the submission for the above referenced undertaking in Greene County, Arkansas in Section 21, Township 18 North, Range 6 East. The proposed undertaking entails the replacement of ARDOT Bridge M0779 on Highway 34. The bridge will be replaced on the existing centerline. The proposed right-of-way and the temporary construction easement will encompass a total survey area of 0.21 acres.

An architectural resources survey determined ARDOT Bridge No. M0779 is not eligible for inclusion in the National Register of Historic Places (NRHP) (AHPP Tracking Number 109317). A total of four shovel tests were excavated in each quadrant of the APE, all of which were negative for cultural materials.

Based on the provided information, the AHPP concurs with the finding of **no historic properties affected pursuant to 36 CFR § 800.4(d)(1)** for the proposed undertaking and that no further archeological work is needed.

Tribes that have expressed an interest in the area include the Cherokee Nation, the Choctaw Nation of Oklahoma, the Jena Band of Choctaw Indians, the Muscogee (Creek) Nation, 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 Kathryn Bryles at 501-324-9784 or email kathryn.bryles@arkansas.gov.

Sincerely,

for
Scott Kaufman
Director, AHPP

cc: Dr. Melissa Zabecki, Arkansas Archeological Survey

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

PART I (To be completed by Federal Agency) Job 101130		3. Date of Land Evaluation Request 4/4/2022		4. Sheet 1 of 1	
1. Name of Project Hwy. 34 Str. & Apprs. (S)		5. Federal Agency Involved FHWA			
2. Type of Project Bridge Replacement		6. County and State Greene 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	0.65 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	0.0 acre			
B. Total Acres Statewide And Local Important Farmland	0.65 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
PART VII (To be completed by Federal Agency)				
Relative Value Of Farmland (From Part V)	100	100	0	0
Total Corridor Assessment (From Part VI above or a local site assessment)	160	30	0	0
TOTAL POINTS (Total of above 2 lines)	260	130	0	0
1. Corridor Selected: Along existing	2. Total Acres of Farmlands to be Converted by Project: 0.65 acre 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:

DATE

4/4/2022

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

ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST FOR CONSIDERATION OF POTENTIAL IMPACTS

ARDOT Job 101130 FAP NHPP-00281(67)

Job Title Hwy. 34 Strs. & 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			A "No effect" determination made
Environmental Justice/Title VI	X			No impacts/ Ph.I PI meeting scheduled
Fish and Wildlife		X		Temporary during construction
Floodplains	X			None within the project
Forest Service Property	X			None in project area
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use		X		0.65 acre of additional ROW; 0.12 acre of TCE
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		0.65 acre Farmland of Statewide Imp.
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
Relocatees	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 300' & 0.1 acre impacts; NW 14 required
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 Phase I Virtual Public Involvement will be held. A Pre-construction notification is not required.

Signature of Evaluator  Date 4/5/2022

Date Sent: March 2, 2022

ROADWAY DESIGN REQUEST

Job Number 101130 FAP No. NHPP-0028(67) County Greene

Job Name Hwy. 34 Str. & Apprs. (S)

Design Engineer George Davison Environmental Staff

Detailed Project Description This project consists of replacing a bridge with a box culvert on existing location. A one lane detour will be constructed on the north side of Hwy. 34 to maintain traffic during construction.

A. Existing Conditions:

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

Number of Lanes and Width: 2 – 10' Existing Right-of-Way: 80'-105'

Sidewalks? No Location: N/A Width: N/A

Bike Lanes? No 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: 80'-215'

Sidewalks? No Location: N/A Width: N/A

Bike Lanes? No Location: N/A Width: N/A

C. Construction Information:

If detour: Where: Sta. 102+50 to 107+25 Length: 0.09 miles

D. Design Traffic Data:

2023 ADT: 1600 2043 ADT: 1900 % Trucks: 9

Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.05 mile(s)

F. Justification for proposed improvements: Poor deck condition with low substructure rating

G. Total Relocatees: 0 Residences: 0 Businesses: 0

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

Agency/Official	Person Contacted	Date