





INTEROFFICE MEMORANDUM

December 18, 2019

TO: Master Files

FROM:  John Fleming, Division Head, Environmental Division 

SUBJECT: Job Number 101000
FAP Number NHPP-0028(52)
Village Creek Str. & Apprs. (S)
Route 69, Section 10
Bridge Number M3808
Greene County
Tier 1 Categorical Exclusion

The purpose of this project is to replace a bridge on Highway 69 over Village Creek in Greene County. Total length of the project is approximately 0.14 mile. The attached figure illustrates the project location.

The existing roadway consists of two 11' wide paved travel lanes with 3' wide shoulders (1' paved). The existing bridge (M3808) is a 35' x 116' structure in poor condition.

Proposed improvements include constructing a new bridge with approaches consisting of two 11' wide paved travel lanes with 4' wide shoulders (2' paved). The project could acquire up to 8.0 acres of additional right of way.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2020	1,000	6	55 mph
2040	1,300	6	55 mph

There are no relocations, environmental justice issues, or wetlands 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 0.8 acre of Prime Farmland 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.

The official species list obtained through the US Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) website lists Indiana bat (*Myotis sodalis*), Fat Pocketbook (*Potamilus capax*), Rabbitsfoot (*Theliderma cylindrica*), Scaleshell (*Leptodea leptodon*) and pondberry (*Lindera melissifolia*) as species potentially occurring in the project area. The project area is outside the Indiana bat consultation area provided by the Arkansas Ecological Services Field Office; therefore, it is presumed the project will not affect this species. This project will have "no effect" on the remaining four species due to the lack of suitable habitat, limited scope of the project, and distance to known species occurrences.

The project will have a discharge of dredged or fill material into waters of the United States associated with the bridge; therefore, a Section 404 permit will be required. The project should be authorized by Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82(4): 1860-2008.

Greene County participates in the National Flood Insurance Program and lies within the 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 risk to property or life.

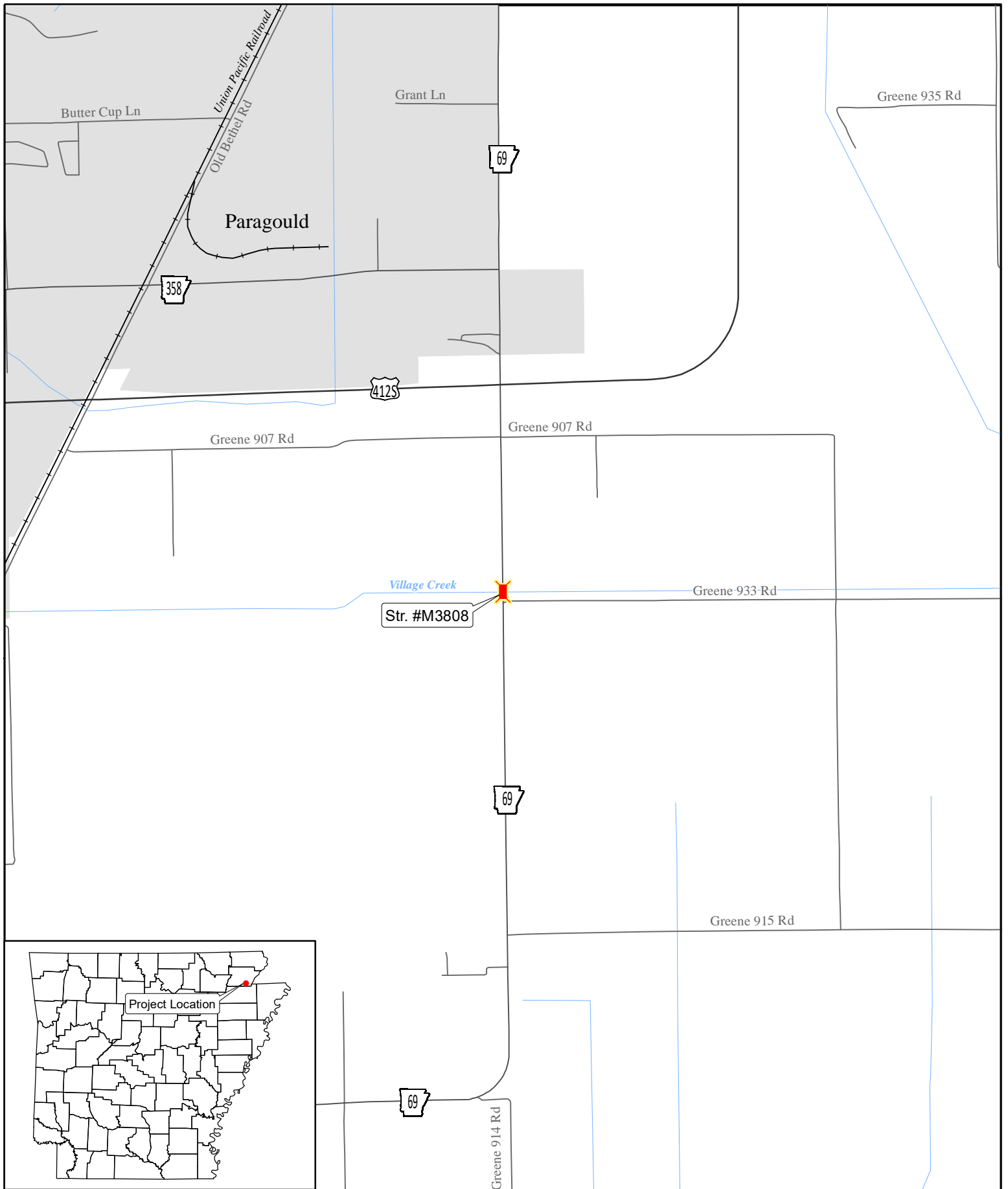
After appropriate environmental review, it has been determined that the subject job is a Tier 1 Categorical Exclusion as described by the ARDOT/FHWA Programmatic Agreement on Categorical Exclusion Documentation and Processing. A public hearing will not be offered for this project.

Attachments:

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

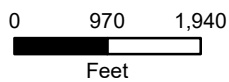
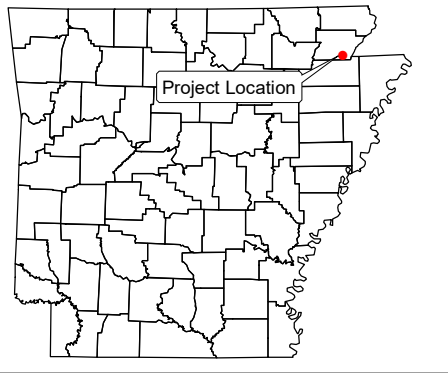
JF:TT:am

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



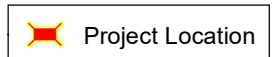
Str. #M3808

69



ARDOT - Environmental GIS - Hopkins
October 18, 2019

Job 101000
Village Creek Str. & Apprs.
(Hwy. 69)
Greene County



FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency) Job 101000	3. Date of Land Evaluation Request 10/23/19	4. Sheet 1 of
--	---	---------------

1. Name of Project Village Creek Str. & Apprs. (S)	5. Federal Agency Involved FHWA
--	---------------------------------

2. Type of Project Bridge Replacement	6. County and State Greene 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	8.0			
--	-----	--	--	--

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

TOTAL POINTS (Total of above 2 lines)	260	150		
--	-----	-----	--	--

1. Corridor Selected: New <input type="checkbox"/> existing <input checked="" type="checkbox"/>	2. Total Acres of Farmlands to be Converted by Project: 8.0 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 10/23/19

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



ARKANSAS HERITAGE



December 13, 2019

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

RE: Greene County – General
Section 106 Review – FHWA
Village Creek Str. & Apprs. (S)
Route 69 Section 10
ARDOT Job Number: 101000
AHPP Tracking Number: 103003.01

Dear Mr. Fleming:


The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the Project Identification Form for the above-referenced job in Sections 18 and 19, Township 16 North, Range 6 East in Greene County. The undertaking entails replacement of Bridge Number M3808. Bridge Number M3808 is not eligible for the National Register (AHPP Tracking Number 103003).

Based on the provided information and the results of the field investigation, the AHPP concurs with the finding of **no historic properties affected pursuant to 36 CFR § 800.4(d)(1)**. In the event of a post-review discovery of historic properties within the area of potential effects, please contact the AHPP and other consulting parties in accordance with 36 CFR § 800.13(b)(3).

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

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

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

ARDOT Job Number 101000 FAP Number NHPP-0028(52)

Job Title Village Creek Str. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No impacts
Cultural Resources	X			No impacts anticipated
Economic	X			No impacts
Endangered Species		X		"No Effect"
Environmental Justice/Title VI	X			No protected populations
Fish and Wildlife		X		Temporary impacts during construction
Floodplains	X			Floodplain SP required
Forest Service Property	X			None in Project Area
Hazardous Materials/Landfills	X			None in project area
Land Use	X			No impacts
Migratory Birds		X		Migratory Bird SP
Navigation/Coast Guard	X			None in Project Area
Noise Levels	X			No increase due to project
Prime Farmland	X			0.8 acres
Protected Waters	X			None in Project Area
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA	X			Wellhead protection SP required
Relocatees	X			No relocations
Section 4(f)/6(f)	X			No 4f/6f resources
Social	X			No impacts to social environment
Underground Storage Tanks	X			No UST's in project area
Visual	X			No change in visual environment
Streams		X		Temporary impacts during construction
Water Quality		X		Temporary impacts 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 NWP 14

Remarks:

Signature of Evaluator *John Baber* Date 10/23/19

PROJECT DESIGN CRITERIA

DATE: October 3, 2019
REV.: _____

JOB NO: 101000 ROUTE / SECTION: 69 / 10 LENGTH: 0.14 mile COUNTY: Greene
 JOB NAME: Village Creek Str. & Apprs. (S) MIN ORDER: 2018-080
 2020 ADT: 1,000 2040 ADT: 1,300 TRUCK: 6% 4-LANE GRID SYSTEM: No
 APHN: No INCENTIVE/DISINCENTIVE: No FUNCTIONAL CLASSIFICATION: Urban Major Collector

EXISTING CONDITIONS

ROADWAY WIDTH: 28' WIDTH OF TRAVELED WAY: 22' SHOULDERS (WIDTH/TYPE): 3' (1' Paved)
 BIKE/PED ACCOMMODATIONS: No CRASH RATE: 1.83 STATEWIDE CRASH RATE: 2.56

BRIDGE INFORMATION

Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck/Culvert Rating	Superstructure Rating	Substructure Rating	Posted
M3808	4.49	116.0' x 34.7'	Steel Multi-Beam	29.26	4	4	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: N/A
 BRIDGE WIDTHS: 30' DESIGN SPEED - RURAL: 55 mph URBAN: N/A
 DEGREE OF ACCESS CONTROL: N/A CLEAR ZONE: 18' @ 6:1 / 24' @ 4:1
 LOCATION OF INTERCHANGES: N/A CHANNELIZED INTERSECTION: As Warranted
 TRAFFIC SIGNALS: N/A RR X-ING PROTECTION: N/A
 BIKE/PED ACCOMMODATIONS: N/A
 PREVIOUS PLANNING STUDY: N/A
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS:

PRELIM COST ESTIMATE: ROADWAY: \$350,000 BRIDGE: \$600,000 TOTAL: \$950,000

REMARKS:

Bridge Replacement W/ Bridge
 Use AASHTO Green Book (2018)

RECOMMENDED BY:

Charles Ellis: Charles R. Ellis

Trinity Smith: Trinity Smith

Date: 10-10-19

Date: 10/3/19

APPROVED BY:

Mike Fugett: Mike Fugett

Date: 10/11/19

ACE-Design

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