




# INTEROFFICE MEMORANDUM

July 1, 2019

TO: Master Files

FROM:  John Fleming, Division Head, Environmental Division 

SUBJECT: Job Number 100998  
FAP Number NHPP-0047(75)  
Ditch No. 13 Str. & Apprs. (S)  
Route 151, Section 1  
Bridge Number M3190  
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 to replace a bridge on Highway 151 over Ditch 13 in Mississippi County. Total length of the project is 0.02 mile. The attached figure illustrates the project location.

The existing roadway consists of two 10' wide paved travel lanes with 4' wide unpaved shoulders. The existing bridge (M3190) is 25' x 64' and in poor condition. Existing right of way width is 85' to 135'.

Proposed improvements include a quadruple 12' x 12' x 55' reinforced concrete box culvert with two 10' wide paved travel lanes and 4' wide shoulders (2' paved). Approximately 0.02 acre 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
2020	120	7	55 mph
2040	150	7	55 mph

There are no relocations or environmental justice issues 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. Approximately 0.02 acre of Prime Farmland will 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.

There will be no wetland impacts due to construction and stream impacts are estimated to be less than 0.1 acre. Ditch 13 is classified as an intermittent stream. 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. Preconstruction notification to the US Army Corps of Engineers will not be required.

The official species list obtained through the US Fish and Wildlife Service's Information for Planning and Consultation website lists the pallid sturgeon (*Scaphirhynchus albus*), Piping Plover (*Charadrius melodus*), Fat Pocketbook (*Potamilus capax*), Rabbitsfoot (*Theliderma cylindrica*) and the Scaleshell Mussel (*Leptodea leptodon*) 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'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.

Attachments:  
Project Location Map  
SHPO Clearance  
Environmental Study Checklist  
Design Criteria

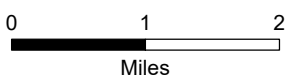
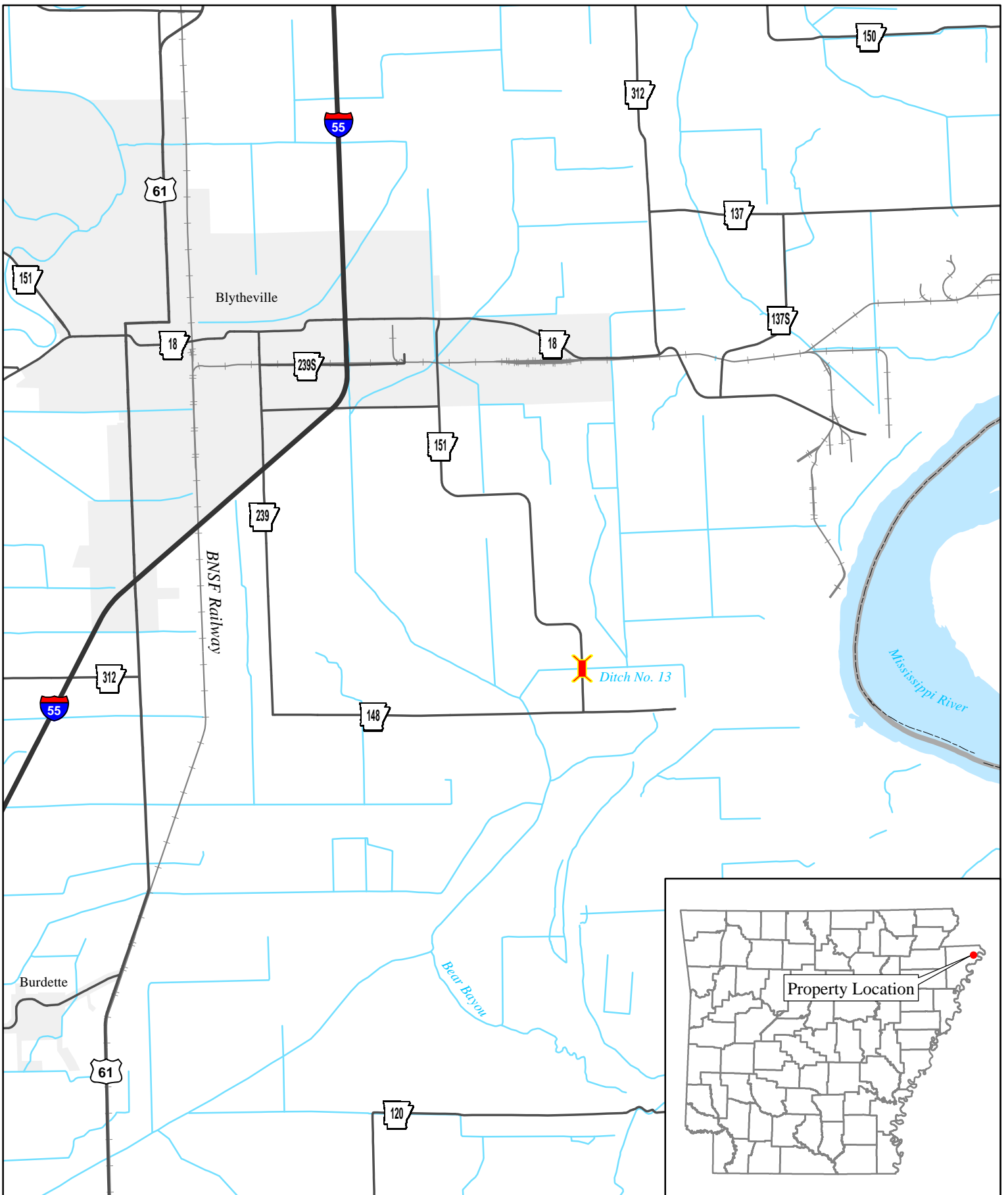
Approved:



Kevin Thornton  
Assistant Chief Engineer-Planning

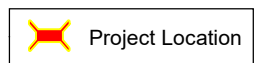
JF:JB:am

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



ARDOT - Environmental GIS - Dudley  
June 10, 2019

Job 100998  
Ditch No. 13 Str. & Apprs.  
(Hwy. 151)  
Mississippi County





THE DEPARTMENT OF ARKANSAS  
**HERITAGE**

Asa Hutchinson  
*Governor*

Stacy Hurst  
*Director*

May 20, 2019

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

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Arkansas Arts Council

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Arkansas Historic  
Preservation Program

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Arkansas Natural  
Heritage Commission

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Arkansas State Archives

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Delta Cultural Center

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Historic Arkansas Museum

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Mosaic Templars  
Cultural Center

•

Old State House Museum

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RE: Mississippi County — General  
Section 106 Review — FHWA  
Response Letter: Ditch No. 13 Str. & Apprs. (S)  
Route 151, Section 1  
ARDOT Job Number: 100998  
AHPP Tracking Number: 102908.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the Project Identification Form for the above-referenced job. The proposed undertaking entails replacing ARDOT Bridge #M3190 on Arkansas Highway 151 south of Blytheville in Mississippi County, Arkansas. The AHPP concurred that Bridge #M3190 is not eligible for inclusion in the National Register of Historic Places in correspondence dated January 31, 2019. Shovel testing by an ARDOT archeologist within the environmental clearance area proved negative for cultural materials. There are no known historic properties within or proximal to the area of potential effects.

**Based on the provided information, the AHPP concurs with the finding of no historic properties affected pursuant to 36 CFR § 800.4(d)(1).**

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 (Mr. Everett Bandy), and the Shawnee Tribe of Oklahoma (Ms. Tonya Tipton). 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, please call Eric Mills of my staff at 501-324-9784 or email [eric.mills@arkansas.gov](mailto:eric.mills@arkansas.gov).

Sincerely,

Scott Kaufman  
Director, AHPP

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



ARKANSAS HISTORIC  
PRESERVATION PROGRAM



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[www.arkansaspreservation.com](http://www.arkansaspreservation.com)

### FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

<b>PART I (To be completed by Federal Agency)</b> Job 100998	3. Date of Land Evaluation Request 6/14/19	4. Sheet 1 of
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1. Name of Project Ditch 13 Str. & Apprs.	5. Federal Agency Involved FHWA
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2. Type of Project Bridge Replacement	6. County and State Mississippi AR.
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<b>PART II (To be completed by NRCS)</b>	1. Date Request Received by NRCS	2. Person Completing Form
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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
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5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: %	7. Amount of Farmland As Defined in FPPA Acres: %
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8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS
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<b>PART III (To be completed by Federal Agency)</b>	<b>Alternative Corridor For Segment</b>
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	Corridor A	Corridor B	Corridor C	Corridor D
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A. Total Acres To Be Converted Directly				
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B. Total Acres To Be Converted Indirectly, Or To Receive Services				
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C. Total Acres In Corridor				
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<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
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A. Total Acres Prime And Unique Farmland	.02			
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B. Total Acres Statewide And Local Important Farmland				
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C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
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D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value				
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<b>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)</b>				
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<b>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</b>	<b>Maximum Points</b>			
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1. Area in Nonurban Use	15	15		
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2. Perimeter in Nonurban Use	10	10		
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3. Percent Of Corridor Being Farmed	20	20		
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4. Protection Provided By State And Local Government	20	0		
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5. Size of Present Farm Unit Compared To Average	10	0		
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6. Creation Of Nonfarmable Farmland	25	0		
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7. Availability Of Farm Support Services	5	5		
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8. On-Farm Investments	20	0		
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9. Effects Of Conversion On Farm Support Services	25	0		
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10. Compatibility With Existing Agricultural Use	10	0		
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TOTAL CORRIDOR ASSESSMENT POINTS	<b>160</b>	50		
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<b>PART VII (To be completed by Federal Agency)</b>				
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Relative Value Of Farmland (From Part V)	100	100		
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Total Corridor Assessment (From Part VI above or a local site assessment)	160	50		
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X _____ (of above 2 lines)	<b>260</b>	150		
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ing	2. Total Acres of Farmlands to be Converted by Project: .02 acres of Prime Farmland	3. Date Of Selection:	4. Was A Local Site Assessment Used?
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			YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part: \_\_\_\_\_ DATE \_\_\_\_\_

6/14/19

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 100998 FAP Number NHPP-0047(75)

Job Title Ditch 13 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 during construction
Floodplains	X			None occur in project area
Forest Service Property	X			None occur in project area
Hazardous Materials/Landfills	X			None in project area
Land Use	X			Will not be impacted by the project
Migratory Birds		X		Bird SP included
Navigation/Coast Guard	X			No navigable waterways involved
Noise Levels	X			No increase due to project
Prime Farmland		X		.02 acres of prime farmland
Protected Waters	X			None occur 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			No 4f/6f resources present
Social	X			No impacts to social environment
Underground Storage Tanks	X			No UST's in project area
Visual	X			No changes to visual environment
Streams		X		Temporary during construction
Water Quality		X		Temporary during construction
Wetlands	X			None occur in project area
Wildlife Refuges	X			None in the 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 6/14/19

PROJECT DESIGN CRITERIA

DATE: May 1, 2019  
REV.: \_\_\_\_\_

JOB NO: 100998 ROUTE / SECTION: 151 / 1 LENGTH: 0.02 mile COUNTY: Mississippi  
 JOB NAME: Ditch No. 13 Str. & Apprs. (S) MIN ORDER: 2018-080  
 2020 ADT: 120 2040 ADT: 150 TRUCK: 7% 4-LANE GRID SYSTEM: No  
 APHN: No INCENTIVE/DISINCENTIVE: No FUNCTIONAL CLASSIFICATION: Major Collector

EXISTING CONDITIONS

ROADWAY WIDTH: 28' WIDTH OF TRAVELED WAY: 20' SHOULDERS (WIDTH/TYPE): 4' Unpaved

BRIDGE INFORMATION

Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck Rating	Superstructure Rating	Substructure Rating	Posted
M3190	0.50	64.0' x 25.4	Timber Multi-Beam	23.55	5	5	5	0

\* Refer to PDC Bridge Information Codes

RECOMMENDED CRITERIA

NO. OF LANES: 2 WIDTH: 10' SHOULDERS (WIDTH/TYPE): 4' (2' Paved)  
 DIVIDED: N/A MEDIAN WIDTH: N/A PARKING: No  
 BRIDGE WIDTHS: N/A AVG RUNNING SPEED - RURAL: 55 mph URBAN: N/A  
 DEGREE OF ACCESS CONTROL: None CLEAR ZONE: 18' @ 4:1  
14' @ 6:1  
 LOCATION OF INTERCHANGES: None CHANNELIZED INTERSECTION: N/A  
 TRAFFIC SIGNALS: None RR X-ING PROTECTION: N/A  
 PREVIOUS PLANNING STUDY: None  
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS: \_\_\_\_\_  
 PRELIM COST ESTIMATE: ROADWAY: \$400,000 BRIDGE: \$0 TOTAL: \$400,000

REMARKS:

R.C. Box Culvert  
Use 3R Criteria

RECOMMENDED BY:

Charles Ellis: *Charles R. Ellis*  
 Date: 5/1/19

Trinity Smith: *Trinity Smith*  
 Date: 5/1/19

APPROVED BY:

Mike Fugett: *[Signature]*  
 ACE-Design

Date: 5/1/19

(ATTACH NEW PROJECT MEMO AND LOCATION MAP)