



INTEROFFICE MEMORANDUM

January 21, 2020

TO: Master Files

FROM: John Fleming, Division Head, Environmental Division 

SUBJECT: Job Number 050417
FAP Number NHPP-0073(82)
Barber's Lake Str. & Apprs. (S)
Route 36, Section 5
Bridge Number 02562
White 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 proposed project would replace the existing Highway 36 bridge over Barber's Lake in White County. The existing bridge is weight restricted and in poor condition. The cross section of the highway would be improved from two 10' wide travel lanes with 2' wide unpaved shoulders to two 11' wide travel lanes with 4' wide (2' paved) shoulders.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2021	500 vpd	5	60 mph
2041	650 vpd		

The project will not involve relocations, underground storage tanks, hazardous materials, 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. Approximately 4.0 acres of right

of way will be required for the project, which includes approximately 0.4 acre of prime farmland and 3.2 acres of Farmland of Statewide Importance. State Historic Preservation Officer clearance and the NRCS prime farmland worksheet are attached.

Based on the ARDOT noise policy, a noise analysis is not required for this project. Replacing the bridge will not substantially alter the existing roadway alignment, and noise sensitive receptors were not identified in the project area. In compliance with federal guidelines, local authorities will not require notification.

There will be no wetland impacts due to construction of this project, and stream impacts are estimated to be less than 0.1 acre. Construction of this project will be covered under the terms of a Nationwide Permit 14 for Linear Transportation Projects as defined in the Federal Register 82(4):1860-2008.

The official species list obtained through the US Fish and Wildlife Service's Information for Planning and Consultation website lists the Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), and rattlesnake-master borer moth (*Papaipema eryngii*) as protected species potentially occurring in the proposed project area. Based on the lack of habitat and distance to known species, it has been determined that the proposed project will have "no effect" on the aforementioned federally-listed species.

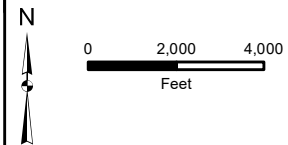
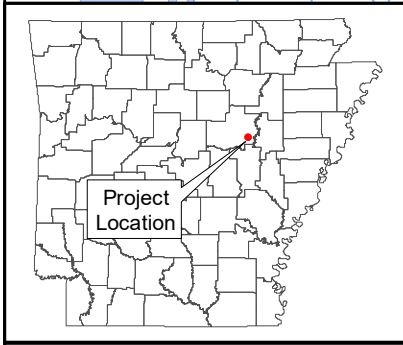
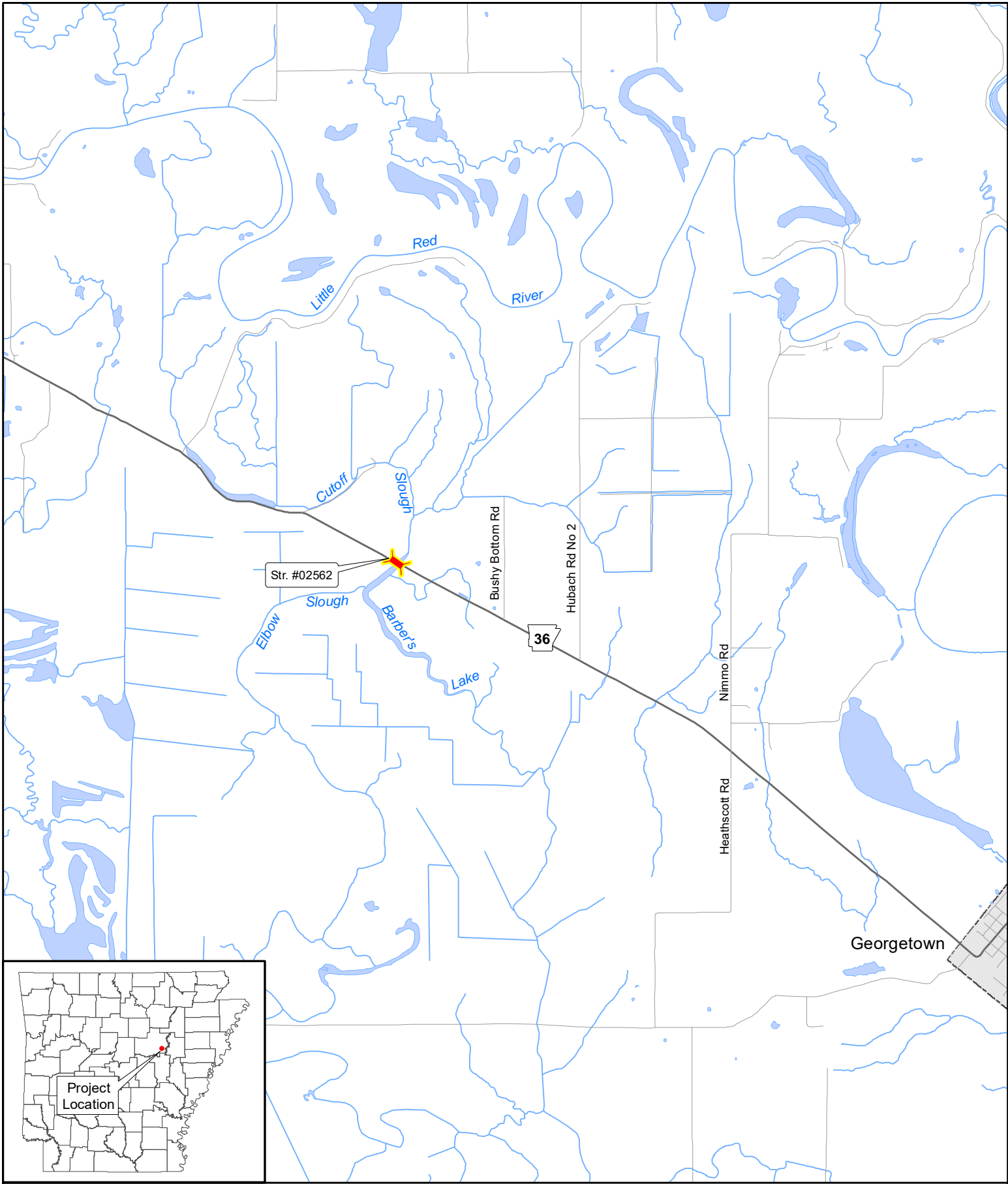
White County participates in the National Flood Insurance Program. The project lies within a Zone A Special Flood Hazard Area. The final project design will be reviewed to confirm that the design is adequate and that the potential risk to life and property are minimized. Adjacent properties should not be impacted nor have a greater flood risk than existed before construction of the project. None of the encroachments would constitute a substantial floodplain encroachment or a risk to property or life.

JF:SS:am

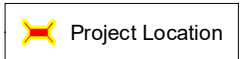
Attachments:

- Location Map
- SHPO Clearance
- Environmental Study Checklist
- Prime Farmland Worksheet
- Design Criteria

c: Program Management
Right of Way
Roadway Design
District 5
FHWA



Job 050417
 Barber's Lake Str. & Apprs.
 (Hwy. 36)
 White County





ARKANSAS HERITAGE



January 9, 2020

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

RE: White County – General
Section 106 Review – FHWA
Barber's Lake Str. & Apprs. (S)
Highway 36, Section 5
ARDOT Job Number: 050417
AHPP Tracking Number: 105045.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) reviewed the Project Identification Form for the above-referenced job in White County. The undertaking entails replacing Bridge Number 02562. In correspondence dated December 2, 2019, the AHPP concurred that Bridge Number 02562 (Property 1) is not eligible for inclusion in the National Register. The Environmental Clearance Limit for the project is coterminous with the survey area and constitutes 33.1 acres.

Based on the provided information and the negative results of the cultural resources survey, the AHPP concurs with a 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 Muscogee (Creek) Nation (Ms. Corain Lowe-Zepeda), 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).

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.

Sincerely,

A handwritten signature in blue ink, appearing to read "Scott Kaufman", followed by a long, sweeping horizontal line that tapers to the right.

Scott Kaufman
Director, AHPP

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

FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency) Job 050417	3. Date of Land Evaluation Request 11/1/19	4. Sheet 1 of
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1. Name of Project Barber's Lake Str. & Apprs. (Hwy. 36)	5. Federal Agency Involved FHWA
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2. Type of Project Bridge Replacement	6. County and State White AR.
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PART II (To be completed by NRCS)	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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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				
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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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PART IV (To be completed by NRCS) Land Evaluation Information				
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A. Total Acres Prime And Unique Farmland	0.4			
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B. Total Acres Statewide And Local Important Farmland	3.2			
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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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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)				
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PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
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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	160	50			
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PART VII (To be completed by Federal Agency)					
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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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TOTAL POINTS (Total of above 2 lines)	260	150			
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1. Corridor Selected: New <input type="checkbox"/> Existing <input checked="" type="checkbox"/>	2. Total Acres of Farmlands to be Converted by Project: 0.4 acre of Prime Farmland and 3.2 acres of Farmland of Statewide Importance	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part:	DATE
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John Baber

11/1/19

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 050417 FAP Number NHPP-0073(82)

Job Title Barber's Lake Str. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments
Air Quality	X			No impacts anticipated
Cultural Resources	X			"No effect on historic properties"
Economic	X			No impacts anticipated
Endangered Species	X			"No effect" on federally-protected species
Environmental Justice/Title VI	X			No impacts anticipated
Fish and Wildlife		X		Temporary impacts during construction
Floodplains		X		Project within 100-year SFHA
Forest Service Property	X			Not within USFS boundary
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use	X			4.0 acres proposed right of way
Migratory Birds		X		Migratory Bird SP added to contract
Navigation/Coast Guard	X			No navigable waterways in project area
Noise Levels	X			Noise analysis not required
Prime Farmland		X		0.4 acre Prime, 3.2 acres State Important
Protected Waters	X			None in project area
Public Recreation Lands	X			No impacts anticipated
Public Water Supply/WHPA	X			None in project area
Relocatees	X			No relocations
Section 4(f)/6(f)	X			None in project area
Social	X			No impacts anticipated
Underground Storage Tanks	X			No impacts anticipated
Visual	X			No impacts anticipated
Streams	X			< 0.1 acre impacts
Water Quality		X		Temporary impacts during construction
Wetlands	X			No impacts anticipated
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 Nationwide Permit #14

Remarks: _____

Signature of Evaluator Susan Stapfeld Date January 21, 2020

PROJECT DESIGN CRITERIA

DATE: November 4, 2019
REV.: _____

JOB NO: 050417 ROUTE / SECTION: 36 / 5 LENGTH: 0.54 mile COUNTY: White
 JOB NAME: Barber's Lake Str. & Apprs. (S) MIN ORDER: 2018-080
 2021 ADT: 500 2041 ADT: 650 TRUCK: 5% 4-LANE GRID SYSTEM: No
 APHN: No INCENTIVE/DISINCENTIVE: No FUNCTIONAL CLASSIFICATION: Major Collector

EXISTING CONDITIONS

ROADWAY WIDTH: 24' WIDTH OF TRAVELED WAY: 20' SHOULDERS (WIDTH/TYPE): 2' Unpaved
 BIKE/PED ACCOMMODATIONS: N/A CRASH RATE: 0.00 STATEWIDE CRASH RATE: 1.07

BRIDGE INFORMATION

Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck/Culvert Rating	Superstructure Rating	Substructure Rating	Posted
02562	10.50	228.0' x 25.7'	Concrete Channel Beam	47.31	6	4	6	2

* 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: No
 BRIDGE WIDTHS: 30' DESIGN SPEED - RURAL: 60 URBAN: N/A
 DEGREE OF ACCESS CONTROL: None CLEAR ZONE: 24' @ 4:1
18' @ 6:1
 LOCATION OF INTERCHANGES: N/A CHANNELIZED INTERSECTION: As warranted
 TRAFFIC SIGNALS: As warranted RR X-ING PROTECTION: N/A
 BIKE/PED ACCOMMODATIONS: N/A
 PREVIOUS PLANNING STUDY: None
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS: NHPP
 PRELIM COST ESTIMATE: ROADWAY: \$1,100,000 BRIDGE: \$1,200,000 TOTAL: \$2,300,000

REMARKS:

Bridge Structure
 Use AASHTO Green Book (2018)

RECOMMENDED BY:

Charles Ellis: Charles R. Ellis
 Date: 11/8/19

Trinity Smith: Trinity Smith
 Date: 11/6/19

APPROVED BY:

Mike Fugett: [Signature]
 ACE-Design

Date: 11/18/19

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