



December 27, 2017

Mr. Angel Correa
Division Administrator
Federal Highway Administration
700 West Capitol, Room 3130
Little Rock, Arkansas 72201-3298

Re: Job Number 100871
FAP Number NHPP-0047(53)
Bridge Number 3183
Hwy. 14 Str. & Apprs. (S)
Mississippi County
Tier 3 Categorical Exclusion

Dear Mr. Correa:

The Environmental Division has reviewed the referenced project and it falls within the definition of the Tier 3 Categorical Exclusion as defined by the ARDOT/FHWA Memorandum of Agreement on the processing of Categorical Exclusions. The following information is included for your review and, if acceptable, approval as the environmental documentation for this project.

The purpose of this project is to replace a bridge on Highway 14 in Mississippi County. Total length of the project is 0.38 mile. The enclosed figure illustrates the project location.

Existing Highway 14 consists of two 11-foot wide paved travel lanes with 6-foot gravel shoulders. The existing bridge (No. 3183) has a 26' x 255' concrete deck on steel beams. The bridge is has a sufficiency rating of 28.0 and is structurally deficient. The existing right of way width is approximately 460 - 500 feet.

Proposed improvements include replacing the bridge with a 33.2' x 330.0' continuous composite W-beam bridge on multi-column reinforced concrete intermediate bents. The bridge approaches will consist of two 11-foot paved travel lanes with 6-foot wide shoulders (2 foot paved). The new bridge will be located approximately 55 feet north of the existing bridge. All work will take place within the existing right of way.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2018	1,100	7	55 mph
2038	1,400	7	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. No Section 404 permit will be required.

Noise predictions have been made for this project utilizing the Federal Highway Administration's TNM 2.5 (Traffic Noise Model) procedures. These procedures indicate that noise levels are below the FHWA noise criteria beyond the project's proposed right of way limits and no sensitive receptors are currently impacted. Any increases in roadway noise levels will not be the result of the proposed project, but instead a result of traffic volume increases during the planning period (Year 2038). Therefore, any noise level increases will occur independently of this proposed project, and no project related noise impacts are anticipated. In compliance with Federal guidelines, local authorities will not require notification.

The United States Fish and Wildlife Service's Information for Planning and Consultation (IPAC) website lists five threatened and endangered species as potentially occurring within the project area. The threatened species included the Piping Plover (*Charadrius melodus*) and Rabbitsfoot (*Quadrula cylindrica*). The endangered species include the pallid sturgeon (*Scaphirhynchus albus*), Fat Pocketbook (*Potamilus capax*) and Scaleshell Mussel (*Leptodea leptodon*). IPaC cited no critical habitat for any of the species within the project area. Based on the lack of available habitat in the project area, it has been determined that the project will have no effect on these species. Concurrence from the USFWS was received on November 20, 2017.

If you have any questions, please contact the Environmental Division at 569-2281.

APPROVED

Environmental Specialist
Federal Highway Administration
Date: 12/27/2017

Sincerely,

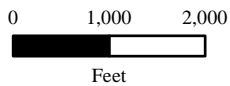
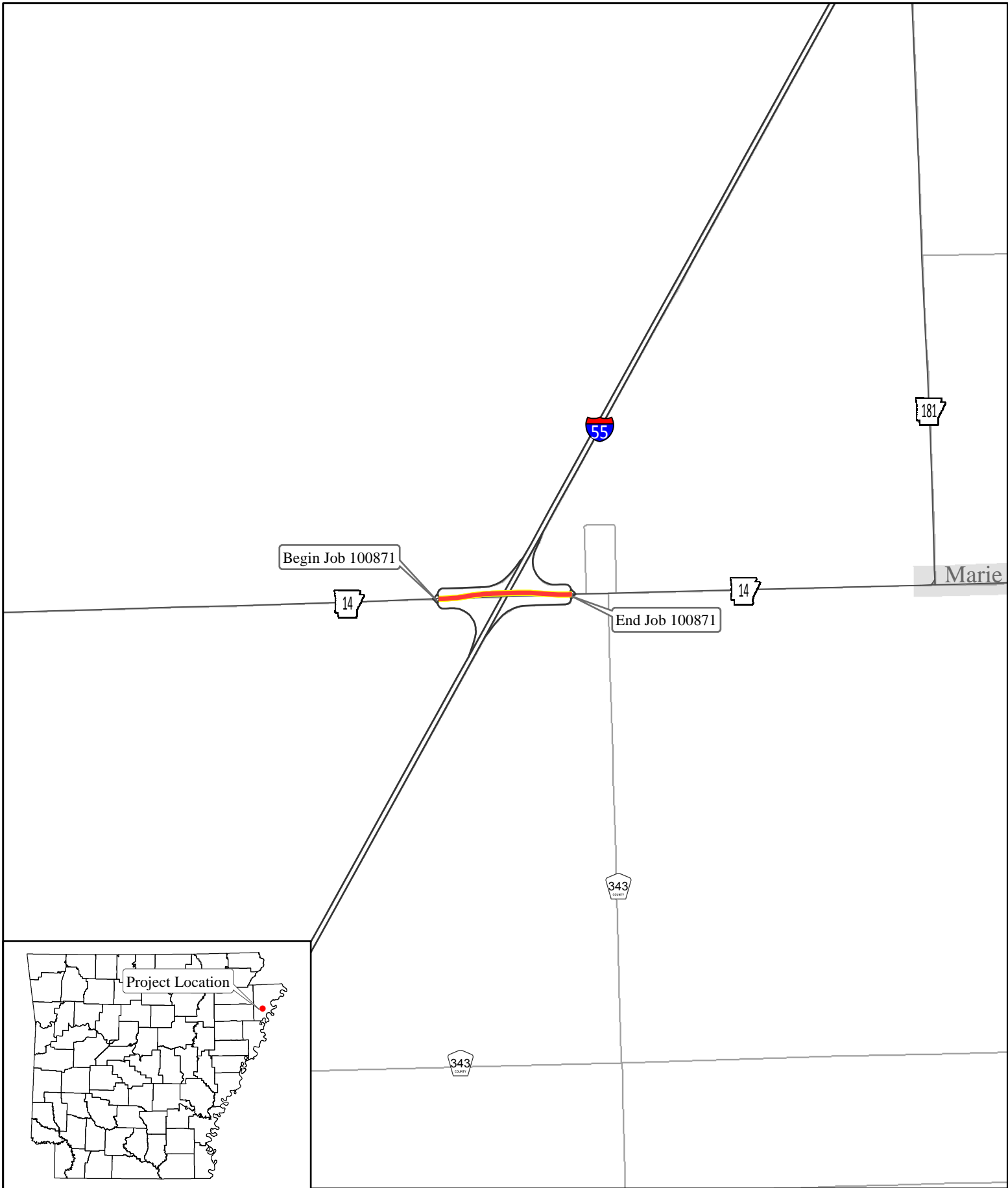


 John Fleming
Division Head
Environmental Division

Enclosures

JF:SL:fc

c: Program Management
Right of Way
Roadway Design
District 10
Master File



ARDOT - Environmental GIS - Hopkins
November 2, 2017

Job 100871 Hwy. 14 Str. & Apprs. Mississippi County



ARKANSAS STATE HIGHWAY
AND
TRANSPORTATION DEPARTMENT

96913-41
FHWP

Scott E. Bennett, P. E.
Director
Telephone (501) 569-2000
Voice/TTY 711



P.O. Box 2261
Little Rock, Arkansas 72203-2261
Telefax (501) 569-2400
www.arkansashighways.com

December 15, 2016

AHPP

DEC 16 2016

Ms. Frances McSwain
Arkansas Historic Preservation Program
1100 North Street
Little Rock, Arkansas 72201

RE: AHTD Job No. 100871
Hwy. 14 Str. & Apprs. (S)
Mississippi County

Dear Ms. McSwain:

A Project Identification Form for the referenced project is enclosed. Please review for concurrence with the findings of my staff. If you have any questions or require additional information, please contact Kristina Boykin at (501) 569-2079.

Sincerely,

John Fleming
Division Head
Environmental Division

Enclosure
PIF

JF:DW:KB:ym

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Date **DEC 19 2016**
No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.

Frances McSwain, Deputy State
Historic Preservation Officer

DEC 19 2016



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Arkansas Ecological Services Field Office
110 South Amity Suite 300
Conway, AR 72032-8975
Phone: (501) 513-4470 Fax: (501) 513-4480
<http://www.fws.gov/arkansas-es>

In Reply Refer To:

November 20, 2017

Consultation Code: 04ER1000-2018-SLI-0177

Event Code: 04ER1000-2018-E-00308

Project Name: Hwy. 14 STR. & APPRS. (S)

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies endangered, threatened, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). **This letter only provides an official species list and technical assistance; if you determine that listed species and/or designated critical habitat may be affected in any way by the proposed project, even if the effect is wholly beneficial, consultation with the Service will be necessary.**

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found on our website.

Please visit our website at <http://www.fws.gov/arkansas-es/IPaC/home.html> for species-specific guidance to avoid and minimize adverse effects to federally endangered, threatened, proposed, and candidate species. Our web site also contains additional information on species life history and habitat requirements that may be useful in project planning.

If your project involves in-stream construction activities, oil and natural gas infrastructure, road construction, transmission lines, or communication towers, please review our project

specific guidance at <http://www.fws.gov/arkansas-es/IPaC/ProjSpec.html>.

The karst region of Arkansas is a unique region that covers the **northern third of Arkansas** and we have specific guidance to conserve sensitive cave-obligate and bat species. **Please visit <http://www.fws.gov/arkansas-es/IPaC/Karst.html> to determine if your project occurs in the karst region and to view karst specific-guidance.** Proper implementation and maintenance of best management practices specified in these guidance documents is necessary to avoid adverse effects to federally protected species and often avoids the more lengthy formal consultation process.

If your species list includes any mussels, Northern Long-eared Bat, Indiana Bat, Yellowcheek Darter, Red-cockaded Woodpecker, or American Burying Beetle, your project may require a presence/absence and/or habitat survey prior to commencing project activities. Please check the appropriate species-specific guidance on our website to determine if your project requires a survey. We strongly recommend that you contact the appropriate staff species lead biologist (see office directory or species page) prior to conducting presence/absence surveys to ensure the appropriate level of effort and methodology.

Under the ESA, it is the responsibility of the Federal action agency or its designated representative to determine if a proposed action "may affect" endangered, threatened, or proposed species, or designated critical habitat, and if so, to consult with the Service further. Similarly, it is the responsibility of the Federal action agency or project proponent, not the Service, to make "no effect" determinations. If you determine that your proposed action will have "no effect" on threatened or endangered species or their respective critical habitat, you do not need to seek concurrence with the Service. Nevertheless, it is a violation of Federal law to harm or harass any federally-listed threatened or endangered fish or wildlife species without the appropriate permit.

Through the consultation process, we will analyze information contained in a biological assessment that you provide. If your proposed action is associated with Federal funding or permitting, consultation will occur with the Federal agency under section 7(a)(2) of the ESA. Otherwise, an incidental take permit pursuant to section 10(a)(1)(B) of the ESA (also known as a habitat conservation plan) is necessary to harm or harass federally listed threatened or endangered fish or wildlife species. In either case, there is no mechanism for authorizing incidental take "after-the-fact." For more information regarding formal consultation and HCPs, please see the Service's Consultation Handbook and Habitat Conservation Plans at www.fws.gov/endangered/esa-library/index.html#consultations.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, **the accuracy of this species list should be verified after 90 days.** This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and

implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Arkansas Ecological Services Field Office

110 South Amity Suite 300

Conway, AR 72032-8975

(501) 513-4470

Project Summary

Consultation Code: 04ER1000-2018-SLI-0177

Event Code: 04ER1000-2018-E-00308

Project Name: Hwy. 14 STR. & APPRS. (S)

Project Type: TRANSPORTATION

Project Description: Replace the existing Hwy 119 bridge over I-55 in Mississippi County

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/35.61135485686462N90.11151058912219W>



Counties: Mississippi, AR

Endangered Species Act Species

There is a total of 5 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Birds

NAME	STATUS
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened

Fishes

NAME	STATUS
Pallid Sturgeon <i>Scaphirhynchus albus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7162	Endangered

Clams

NAME	STATUS
Fat Pocketbook <i>Potamilus capax</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2780	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165	Threatened
Scaleshell Mussel <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5881	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

ARDOT Job Number 100871 FAP Number NHPP-0047(53)

Job Title Hwy. 14 Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife	X			
Floodplains	X			
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds	X			Bird SP
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland	X			
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA				
Relocates	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts	X			
Water Quality	X			
Wetlands	X			
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? N

Short-term Activity Authorization Required? N

Section 404 Permit Required? N Type _____

Remarks: _____

Signature of Evaluator *Sherry LeBlanc* Date December 18, 2017

ROADWAY DESIGN REQUESTJob Number 100871 FAP No. _____ County MississippiJob Name Hwy. 14 Str. & Apprs. (S)Design Engineer David Baker Environmental Staff _____Brief Project Description Replacing 1 Bridge with a Bridge on new location utilizing a
detour for maintenance of traffic.

A. Existing Conditions:

Roadway Width: 34' Shoulder Type/Width: 6' unpavedNumber of Lanes and Width: 2-11' Existing Right-of-Way: 460'-500' Avg. WidthSidewalks? N/A Location: _____ Width: _____Bike Lanes? N/A Location: _____ Width: _____

B. Proposed Conditions:

Roadway Width: 34' Shoulder Type/Width: 6' shoulder (2' paved)Number of Lanes and Width: 2- 11' Proposed Right-of-Way: N/ASidewalks? N/A Location: _____ Width: _____Bike Lanes? N/A Location: _____ Width: _____

C. Construction Information:

If detour: Where: South of Hwy. 14 Length: 0.374 miles

D. Design Traffic Data:

2018 ADT: 1100 2038 ADT: 1400 % Trucks: 7Design Speed: 55 m.p.h.E. Approximate total length of project: 0.383 mile(s)F. Justification for proposed improvements: Refer to Planning and Research study reports,
Bridge ratings, etc.G. Total Relocates: N/A Residences: N/A Businesses: N/AH. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? No

Agency/Official	Person Contacted	Date

BRIDGE INFORMATION - PRELIMINARY

Job Number: 100871 FAP Number: NHPP-0047(53) County: Mississippi
 Job Name: Hwy. 14 Str. & Apprs. (S)
 Design Engineer: Kyle Yeary Environmental Staff: Sherry LeBlanc

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A. Description of Existing Bridge:

1. Bridge Number: 03183 over Interstate 55
2. Location: Rte.: 14 Section: 16 Log Mile: 9.72
3. Length: 255.0 ft Br. Rdwy. Width: 25.9 ft Deck Width (Out-to-Out): 31.0 ft
4. Type Construction: Four simple spans consisting of a concrete deck on steel beams supported by multi-column reinforced concrete intermediate bents on footings with concrete piles and reinforced concrete cap abutments on concrete piles.
5. Deficiencies: Inadequate load capacity.
6. HBRRP Eligibility: Qualif. Code: SD Sufficiency Rating: 28.0
7. Are any Condition Component Ratings at 3 or less? No.

B. Proposed Improvements:

1. Length: 332.5 ft Br. Rdwy. Width: 30.0 ft Deck Width (Out-to-Out): 33.2 ft
2. Travel Lanes: Two 11' lanes.
3. Shoulder Width: Four foot shoulders both sides of roadway.
4. Sidewalks? No. Location: N/A Width: N/A ft

C. Construction Information:

1. Location in relation to existing bridge: Approximately 55' north.
2. Superstructure Type: Continuous composite w-beam unit.
3. Span Lengths: 68'-97'-97'-68'
4. Substructure Type: Multi-column reinforced concrete intermediate bents on footings with concrete filled steel pipe piles and reinforced concrete cap end bents on concrete filled steel pipe piles.
5. Ordinary High Water Elev. (OHW): N/A No. of Bents inside OHW Contours: N/A
6. Concrete Volume below OHW: N/A yd³ Vol. Bent Excavation: N/A yd³ Vol. Backfill: N/A yd³
7. Is Channel Excavation below OHW Required? N/A Surface Area: N/A ft² Volume: N/A yd³
8. Is Fill below OHW Req'd.? N/A Surface Area: N/A ft² Volume: N/A yd³
9. Is Riprap below OHW required? N/A Volume: N/A yd³

D. Work Road Information:

1. Is Work Road(s) required? No. Location: N/A Top Width: N/A ft
2. Is Fill below OHW required? N/A Surface Area: N/A ft² Volume: N/A yd³
3. Are Pipes required to meet Backwater Criteria? N/A Waterway Opening: N/A ft²

E. Detour Information:

1. Is a detour bridge required? No. Location in relation to Existing Br.: N/A
2. Length: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/A
3. Volume of Fill below OHW: N/A yd³ Surface Area: N/A ft²

F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):

Has Bridge Division coordinated with any outside agencies? No.

Agency	Person Contacted	Date