



# INTEROFFICE MEMORANDUM

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February 28, 2019

**TO:** Master Files

**FROM:** John Fleming, Division Head, Environmental Division 

**SUBJECT:** Job Number 070375  
FAP Number NHPP-0020(21)  
Alsobrook Slough Str. & Apprs. (S)  
Bridge Number M0233  
Route 8, Section 6  
Dallas 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 A DOT/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 the existing bridge (M0233) over Alsobrook Slough on Highway 8 in Dallas County. Total length of the project is 0.18 mile. A project location map is attached.

The bridge is 133' x 25' and considered structurally deficient. The existing approaches consist of two 9' paved travel lanes with 4' paved shoulders. The existing right of way width is 80'.

The new structure will be 155' x 34' and built on existing location by utilizing a detour immediately downstream of the existing bridge. The proposed approaches will consist of two 11' paved travel lanes with 4' paved shoulders. The new right of way width will be 110'. Approximately 0.75 acre of new right of way and 1.48 acres of temporary construction easements will be needed to complete the project.

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2019	270	14	55 mph
2039	300	14	55 mph

There are no relocations, environmental justice issues, prime farmlands, hazardous materials, or cultural resources associated with this project. 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 (MSAT) concerns. Concurrence from the State Historic Preservation Officer is attached.

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 a Nationwide Permit 23 for Approved Categorical Exclusions as defined in Federal Register 82(4): 1860-2008. Impacts to waters of the US include approximately 1.48 acres of temporary impacts (mostly for the detour) and approximately 0.77 acres of permanent impacts. Compensatory mitigation will be determined in cooperation with the United States Army Corps of Engineers.

Red-cockaded Woodpecker (RCW) (*Picoides borealis*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pink Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Spectaclecase (*Margaritifera monodonta*), and Winged Mapleleaf (*Quadrula fragosa*) are species potentially affected by the proposed project. This project will not affect these species due to the lack of suitable habitat and distance to known species locations (e.g. USFWS Arkansas office doesn't list the RCW in this county).

Dallas County participates in the National Flood Insurance Program. The project lies within 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 project construction. None of the encroachments will constitute a substantial floodplain encroachment or a risk to property or life.

Based upon the ARDOT's *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. This project does not involve added capacity, construction of new through lanes or auxiliary lanes, 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  
USFWS Species List  
Environmental Study Checklist  
Design Criteria

Approved:

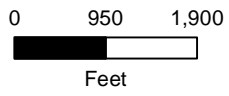
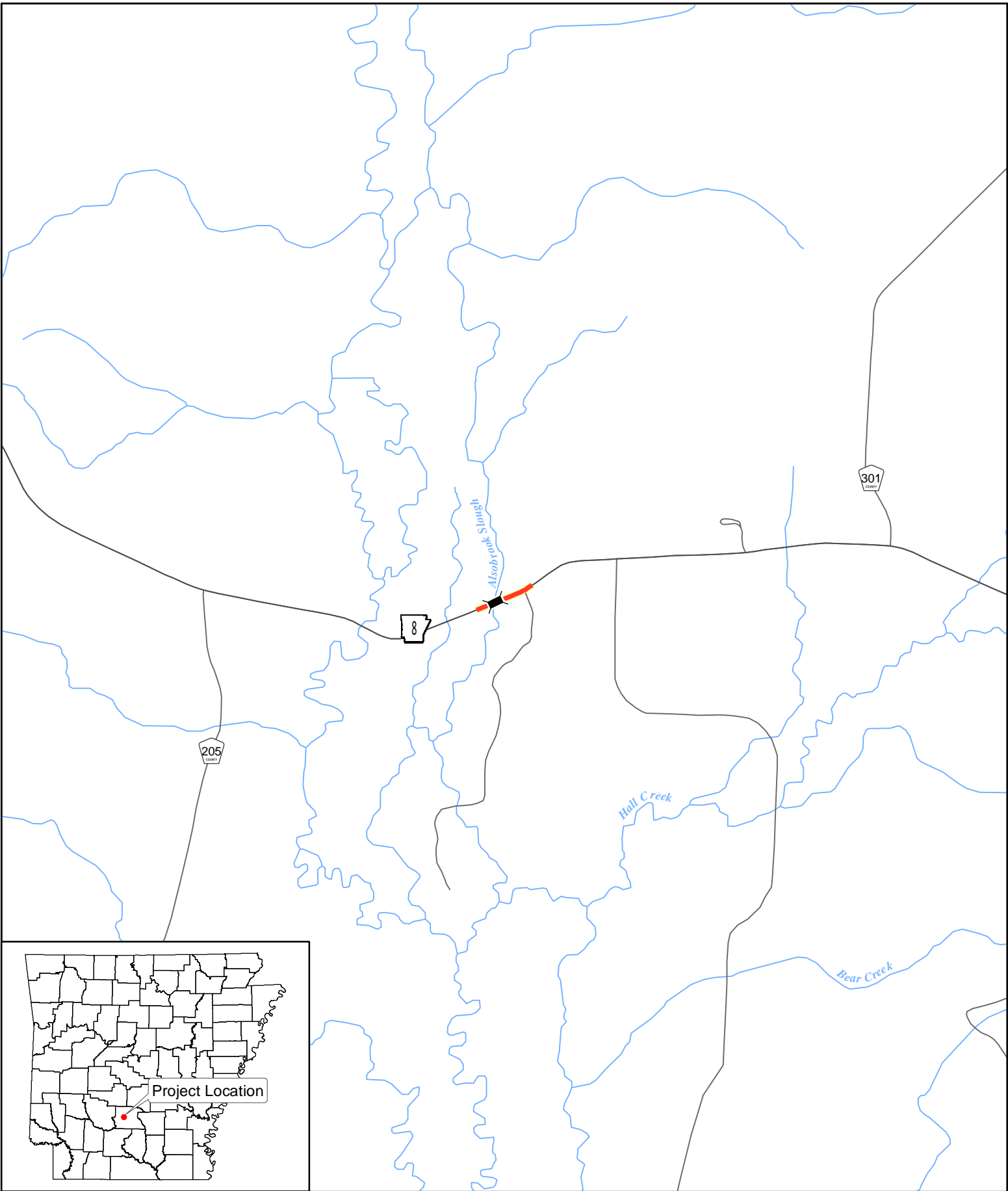


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Kevin Thornton  
Assistant Chief Engineer-Planning

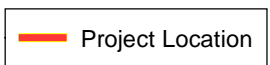
JF:TT:am

c: Program Management  
Right of Way  
Roadway Design  
Bridge Division  
District 7  
FHWA



ARDOT - Environmental GIS - Hopkins  
February 7, 2019

Job 070375  
Alsobrook Slough Str. & Apprs.  
Dallas County





ARKANSAS DEPARTMENT OF TRANSPORTATION

ARDOT.gov | IDriveArkansas.com | Scott E. Bennett, P.E., Director

10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261

Phone: 501.569.2000 | Voice/TTY 711 | Fax: 501.569.2400

99431

October 2, 2017

FLWA

Ms. Stacy Hurst  
Arkansas Historic Preservation Program  
1100 North Street  
Little Rock, Arkansas 72201

AHPP  
OCT 03 2017

RECEIVED  
AHTD  
OCT 06 2017  
ENVIRONMENTAL  
DIVISION

RE: Job No. 070375  
Alsobrook Slough Str. & Apprs. (S)  
Dallas County

Dear Ms. Hurst:

This project proposes to replace a deficient bridge (AHTD Bridge Number M0233) on Highway 8, west of Princeton, in Dallas County.

Photographs, descriptions and location maps for the properties are included so your staff may evaluate its eligibility for inclusion in the National Register of Historic Places. If you have any questions about the project, please contact Jason Eads of my staff at (501) 569-2181.

Sincerely,

John Fleming  
Division Head  
Environmental Division

Enclosure  
Request for Technical Assistance

JF:DW:JE:ym

Date 10/3/2017  
No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.  
  
Arkansas State Historic Preservation Officer



## 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:

February 07, 2019

Consultation Code: 04ER1000-2019-SLI-0452

Event Code: 04ER1000-2019-E-00849

Project Name: 070375 Alsobrook Slough 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.**

**If you determine that this project will have no effect on listed species and their habitat in any way, then you have completed Section 7 consultation with the Service and may use this letter in your project file or application.**

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](http://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

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## Project Summary

Consultation Code: 04ER1000-2019-SLI-0452

Event Code: 04ER1000-2019-E-00849

Project Name: 070375 Alsobrook Slough Str. & Apprs. (S)

Project Type: TRANSPORTATION

Project Description: Replace existing bridge on existing alignment. A temporary detour will be constructed to the south.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/33.99033512292367N92.73109495639801W>



Counties: Dallas, AR

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## Endangered Species Act Species

There is a total of 6 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Birds

NAME	STATUS
Red-cockaded Woodpecker <i>Picoides borealis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7614">https://ecos.fws.gov/ecp/species/7614</a>	Endangered

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## Clams

NAME	STATUS
<p>Ouachita Rock Pocketbook <i>Arkansia wheeleri</i>            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/4509">https://ecos.fws.gov/ecp/species/4509</a></p>	Endangered
<p>Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i>            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a></p>	Endangered
<p>Rabbitsfoot <i>Quadrula cylindrica cylindrica</i>            There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat.            Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a></p>	Threatened
<p>Spectaclecase (mussel) <i>Cumberlandia monodonta</i>            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/7867">https://ecos.fws.gov/ecp/species/7867</a></p>	Endangered
<p>Winged Mapleleaf <i>Quadrula fragosa</i>            Population: Wherever found, except where listed as an experimental population            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/4127">https://ecos.fws.gov/ecp/species/4127</a></p>	Endangered

## Critical habitats

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

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

ARDOT Job Number 070375 FAP Number NHPP-0020(21)

Job Title Alsobrook Slough Strs. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No air quality impacts anticipated
Cultural Resources	X			SHPO approval letter attached
Economic	X			Will not be impacted by project
Endangered Species	X			None within project area
Environmental Justice/Title VI	X			No protected populations in project area
Fish and Wildlife		X		Minor impacts during construction
Floodplains		X		Floodplain SP required
Forest Service Property	X			None within project area
Hazardous Materials/Landfills	X			None in project area
Land Use	X			Will not be impacted by project
Migratory Birds		X		Migratory bird sp required
Navigation/Coast Guard	X			None within project area
Noise Levels	X			No receptors in project area
Prime Farmland	X			None occur in project area
Protected Waters	X			None within project area
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA	X			None within project area
Relocatees	X			No relocations
Section 4(f)/6(f)	X			No 4(f)/6(f) 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		Minor impacts during construction
Water Quality		X		Minor impacts during construction
Wetlands		X		Approximately 2 acres of impacts
Wildlife Refuges	X			None within project area

Section 401 Water Quality Certification Required? N  
 Short-term Activity Authorization Required? Y  
 Section 404 Permit Required? Y Type NWP 23

Remarks: .



Signature of Evaluator \_\_\_\_\_ Date February 20, 2019

**ROADWAY DESIGN REQUEST**

Job Number 070375 FAP No. NHPP-0020(21) County Dallas

Job Name Alsobrook Slough Str. & Apprs. (S)

Design Engineer George Davison Environmental Staff \_\_\_\_\_

Brief Project Description Bridge Replacement on Existing Location

A. Existing Conditions:

Roadway Width: 26' Shoulder Type/Width: 4' Paved

Number of Lanes and Width: 2 / 9' Existing Right-of-Way: 80'

Sidewalks? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_

Bike Lanes? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_

B. Proposed Conditions:

Roadway Width: 30' Shoulder Type/Width: 4' Paved

Number of Lanes and Width: 2 / 11' Proposed Right-of-Way: 110'

Sidewalks? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_

Bike Lanes? N/A Location: \_\_\_\_\_ Width: \_\_\_\_\_

C. Construction Information:

If detour: Where: Rt. Of Existing Length: 0.19 miles

D. Design Traffic Data:

2019 ADT: 270 2039 ADT: 300 % Trucks: 14

Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.18 mile(s)

F. Justification for proposed improvements: Not Posted, Structurally Deficient

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

H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? \_\_\_\_\_

Agency/Official	Person Contacted	Date