

TIER 3 CATEGORICAL EXCLUSION

**ARDOT JOB NUMBER 030501
FAP NUMBER NHPP-0076(152)
Saline & Caddo Rivers Strs. & Apprs.
Route 70, Sections 2, 3, and 5
and
Route 278, Section 2
Howard, Pike, and Sevier Counties, Arkansas**

Submitted Pursuant to 42 U.S.C. 4332(2)
By the
U.S. Department of Transportation
Federal Highway Administration
And the
Arkansas Department of Transportation

Prepared by
Michael Baker International
1400 W. Markham Street, Suite 204
Little Rock, AR 72201

June 2019

6/20/2019
Date of Approval



Randal Looney
Environmental Coordinator
Federal Highway Administration

The Arkansas Department of Transportation (ARDOT) Environmental Division reviewed the referenced project and determined 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 ARDOT is proposing to replace three bridges: Bridge Number (No.) 02082 in Sevier and Howard Counties, Bridge No. 03089 on Highway (Hwy.) 70 in Pike County, and Bridge No. 03602 on Hwy. 278 in Howard County. Bridge Nos. 02082 and 03602 cross the Saline River and Bridge No. 03089 crosses the Caddo River. These three bridges are hereinafter referred to as the Hwy. 70 Saline River, Caddo River, and Hwy. 278 Saline River sites. The bridge replacements were originally programmed as separate projects. These separate projects were subsequently combined into a single project for bidding and letting purposes.

Project location maps are attached. The purpose of the proposed project is to improve safety and mobility at each crossing by replacing the current bridge structures. The overall ROW width varies within each site but is typically 80' to 200'. The approximate total length of the Caddo River and Hwy. 278 Saline River sites is 0.6 mile. The approximate total length of the Hwy. 70 Saline River site is 0.7 mile.

The table below presents the design year traffic volumes and design speeds for each of the bridge replacement sites.

Site	Design Year	Average Daily Traffic (ADT)	Percent Trucks	Design Speed
Hwy. 70 Saline River	2020	3,300	19	55
Hwy. 70 Saline River	2040	3,900	19	55
Caddo River	2020	8,700	13	45
Caddo River	2040	9,600	13	45
Hwy. 278 Saline River	2020	870	10	55
Hwy. 278 Saline River	2040	950	10	55

The Hwy. 70 Saline River site currently has two 12' wide travel lanes and 6' wide shoulders along the eastern and western approaches. The proposed project would

include the reconstruction and realignment of the bridge, approaches, and adjacent driveways. The approach shoulders would be widened to 8'.

The Caddo River site currently has two 12' wide travel lanes and shoulders that vary between 7' and 10' wide along the eastern and western approaches and side streets. The proposed project would include the reconstruction and realignment of the bridge, approaches, and side streets. Proposed improvements would also include addition of a 12' wide center turn lane and 5' wide sidewalks with curb and gutter along both sides of the highway.

The Hwy. 278 Saline River site currently has two 10' wide travel lanes with 4' unpaved shoulders along the northern and southern approaches. The proposed project would include the reconstruction and realignment of the bridge, approaches, and adjacent driveways. Proposed improvements would also include widening the travel lanes to 11' and adding 6' wide (4' gravel, 2' paved) shoulders along the reconstructed travel lanes.

ROW

The proposed bridge replacements and roadway improvements would occur primarily within the existing ROW; however, the construction of the proposed projects is anticipated to require approximately 2.75 acres of additional ROW and include 0.18 acre of temporary construction easements to maintain access to existing driveways and side streets along the project areas. Additional details of the ROW and temporary construction easement requirements for each of the bridge replacement sites are attached.

Wetlands and Streams

A total of three wetland areas and five stream crossings were identified within the project areas for the proposed bridge replacements. The proposed project is expected to permanently impact 1 acre of wetlands and 79 linear feet of streams. Compensatory mitigation for unavoidable wetland and stream impacts will occur at an approved mitigation bank. The final compensatory wetland and stream mitigation will be determined during the Section 404 permitting process. Construction of the proposed project is expected to be authorized under three separate Section 404 permits. Based on project impacts at this time, it is expected that Nationwide Permit guidelines will apply to each of the bridge replacement sites. A Wetlands and Streams Assessment report for each of the three project

areas has been completed and are available upon request. A summary of the findings for each of the wetland and stream assessments is provided below.

Floodplains

Based on the limited available Floodplain Mapping for the Hwy. 70 Saline River and Caddo River sites, it appears that both project areas fall within the 100-year floodplain. At the Hwy. 278 Saline River site, the project area crosses the 100-year floodplain at two locations. Proposed improvements planned within the flood zones would involve short linear crossings with minor impacts. Every effort will be made during the final stages of design to minimize floodplain impacts. The final project design will be reviewed to confirm that the design will ensure 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.

Wellhead Protection

The Arkansas Department of Health (ADH) was contacted for known public water supply concerns and Wellhead Protection Areas in the vicinities of the three bridge replacement projects. The ADH provided the locations of wells within a 5-mile radius of each of the project areas and identified one water source, Dierks Waterworks, approximately 3.5 miles from the Hwy. 70 Saline River site. The ADH also identified one water source, Glenwood Water Department, approximately 0.5 mile from the Caddo River site. A Wellhead Protection Special Provision will be included in the final construction documents. No impacts to public water systems are anticipated.

Threatened and Endangered Species

ARDOT coordinated with the U.S. Fish and Wildlife Service's (USFWS) Arkansas Ecological Services Field Office regarding the potential effects to federally listed species posed by the proposed project. The USFWS listed three threatened and four endangered species that may occur within the boundary of the proposed project or that may be affected by the proposed project. Based on negative survey results, the locations of the proposed actions, the minimal habitat being affected immediately adjacent to existing bridges and ROW, the distance to known species locations and suitable habitat, and application of standard sediment and erosion controls, the USFWS concurred with the determinations of "may affect, not likely to adversely affect" for the listed species identified. The USFWS species lists and coordination letters are attached.

Cultural Resources

A Phase I archeological survey was conducted for the project and no historic properties eligible or on the National Register of Historic Places (NRHP) were found in the Area of Potential Effect. No further archaeological work was recommended within the project areas. No impacts to cultural resources are anticipated. The State Historic Preservation Officer (SHPO) clearance letter is attached.

Prime Farmland

The proposed replacement at the Hwy. 70 Saline River site would convert 0.33 acre of Prime Farmland to highway right of way. The proposed replacement at the Hwy. 278 Saline River site would convert 1.45 acres of Prime Farmland to highway right of way. The replacement at the Caddo River site would have no impacts on Prime Farmland. The NRCS-CPA-106 Forms (attached) for the Hwy. 70 and Hwy. 278 Saline River sites were completed and indicated that no further coordination with the NRCS is required.

Section 4(f)/6(f)

A database review and field investigation of the project areas for Section 4(f) and Section 6(f) properties revealed no potential impacts to either type of land resource.

Environmental Justice/Title VI

Based on the proposed project footprints, available census data, project area reviews, and field investigations, no disproportionate impacts to low-income, elderly, or minority groups are anticipated.

Air Quality

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. As such, this project will not result in changes in traffic volumes, vehicle mix, basic project location, or any other factor that would cause a meaningful increase in MSAT impacts of the project from that of the no-build alternative.

Noise Levels

The project areas for the Hwy. 70 and Hwy. 278 Saline River sites have no noise sensitive receptors in the vicinity that would be impacted by noise. Additionally, the mainline roads will not be widened to add additional travel lanes and the bridges will be striped to maintain their current two-lane capacity. Therefore, the construction of these two bridges is exempt from a Type I Noise Analysis.

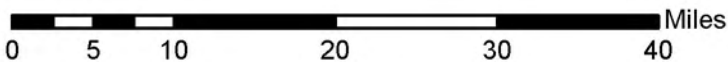
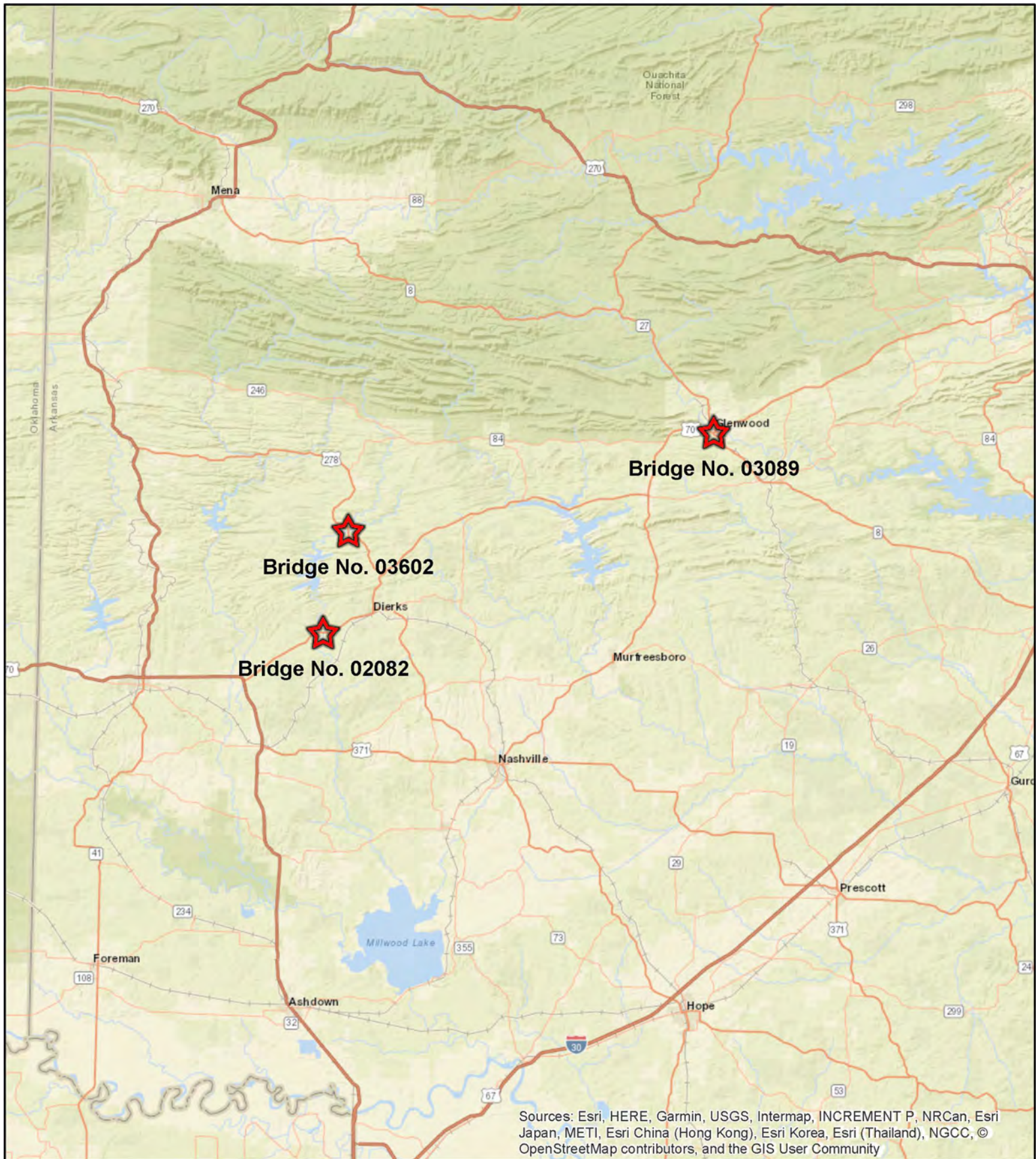
For the Caddo River site, there are residences and a recreational area near the bridge. However, since this project is not a capacity-adding project does not include improvements that would reduce the distance of the proposed facility by greater than 50% of the existing facility, it is also exempt from a Type I Noise Analysis.

Hazardous Materials

A hazardous materials radius report was ordered for the Caddo River site from GeoSearch, Inc. on April 23, 2018, to determine the proximity of known and potential contaminant sources. Due to their rural locations and distance from any other development, radius reports for the Hwy. 70 and Hwy. 278 Saline River sites were not ordered. No evidence of potential contamination was observed during the site visits for each of the three sites. The GeoSearch Radius Report is available upon request.

Public Involvement

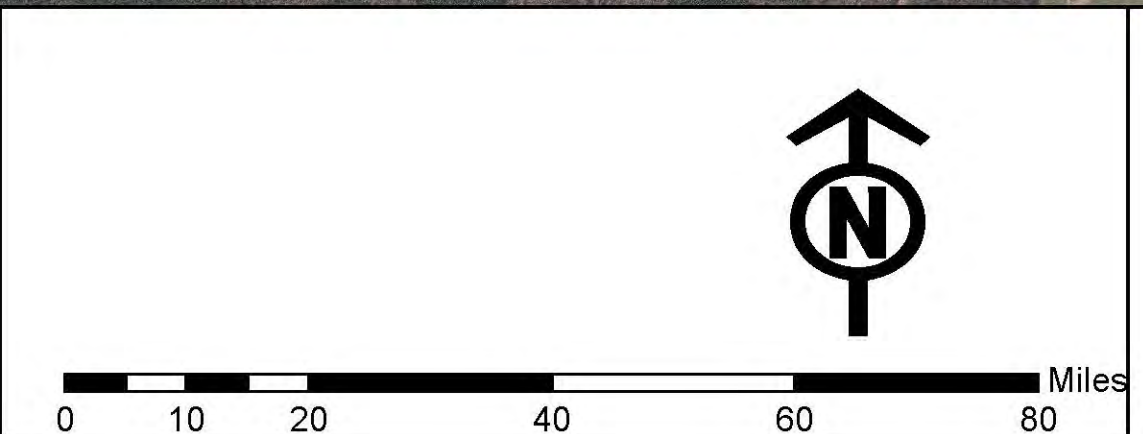
A public meeting was held for the proposed project on May 2, 2019. A summary of the meeting, proof of publications, public meeting notice, blank comment form, display handouts and meeting register are attached.

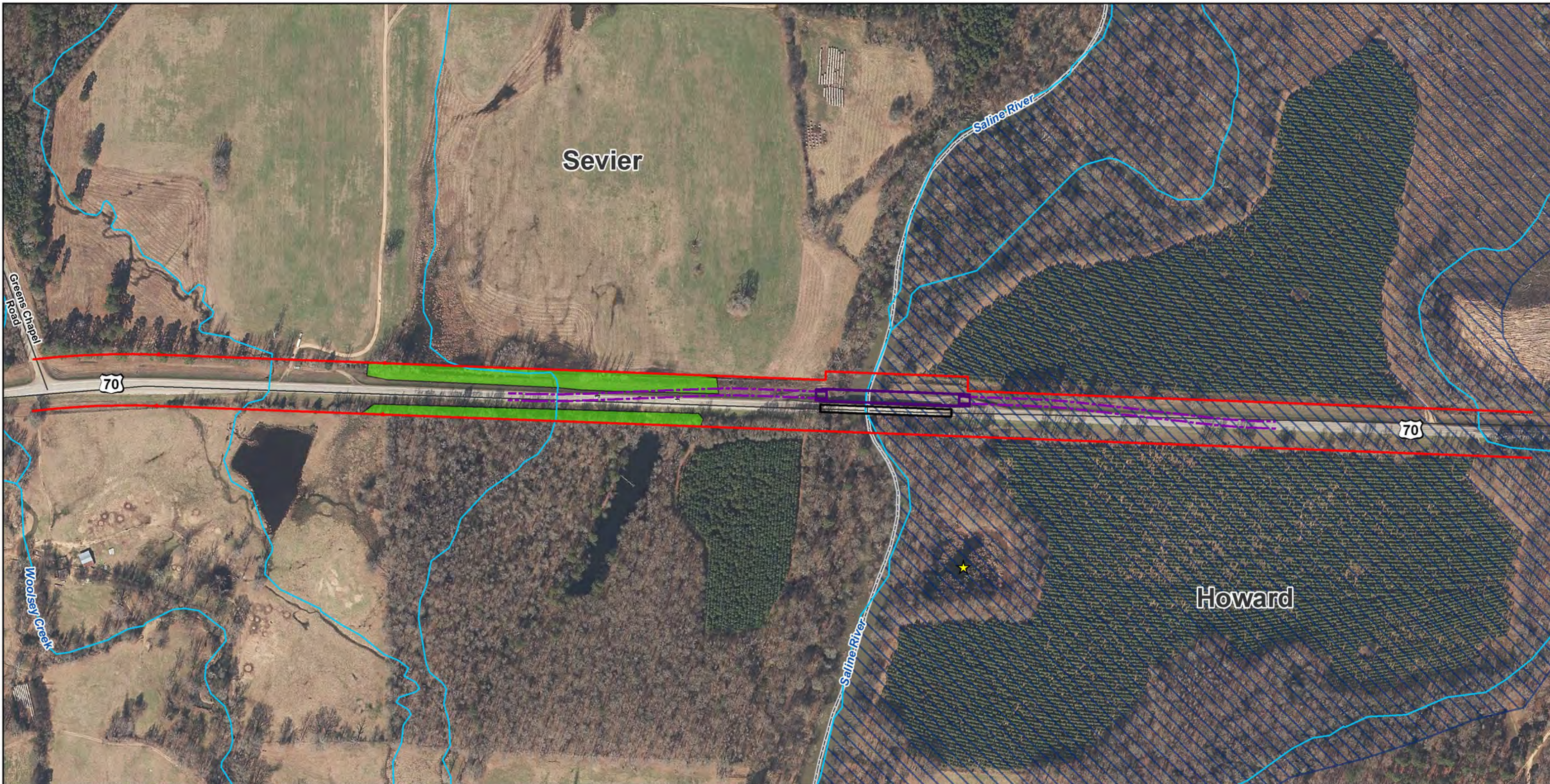


Saline & Caddo River
 Bridge Replacements
 ARDOT Job No. 030501
 Project Location Map
 April 2019



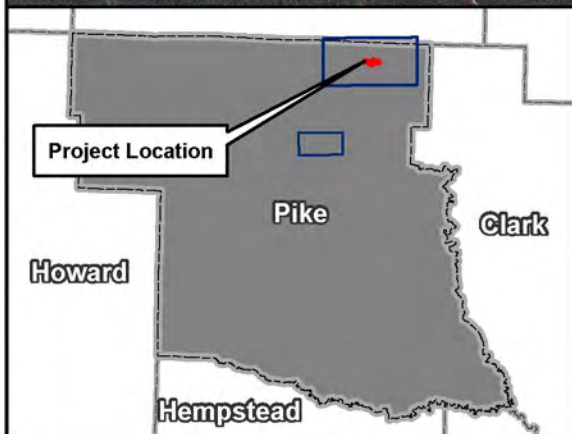
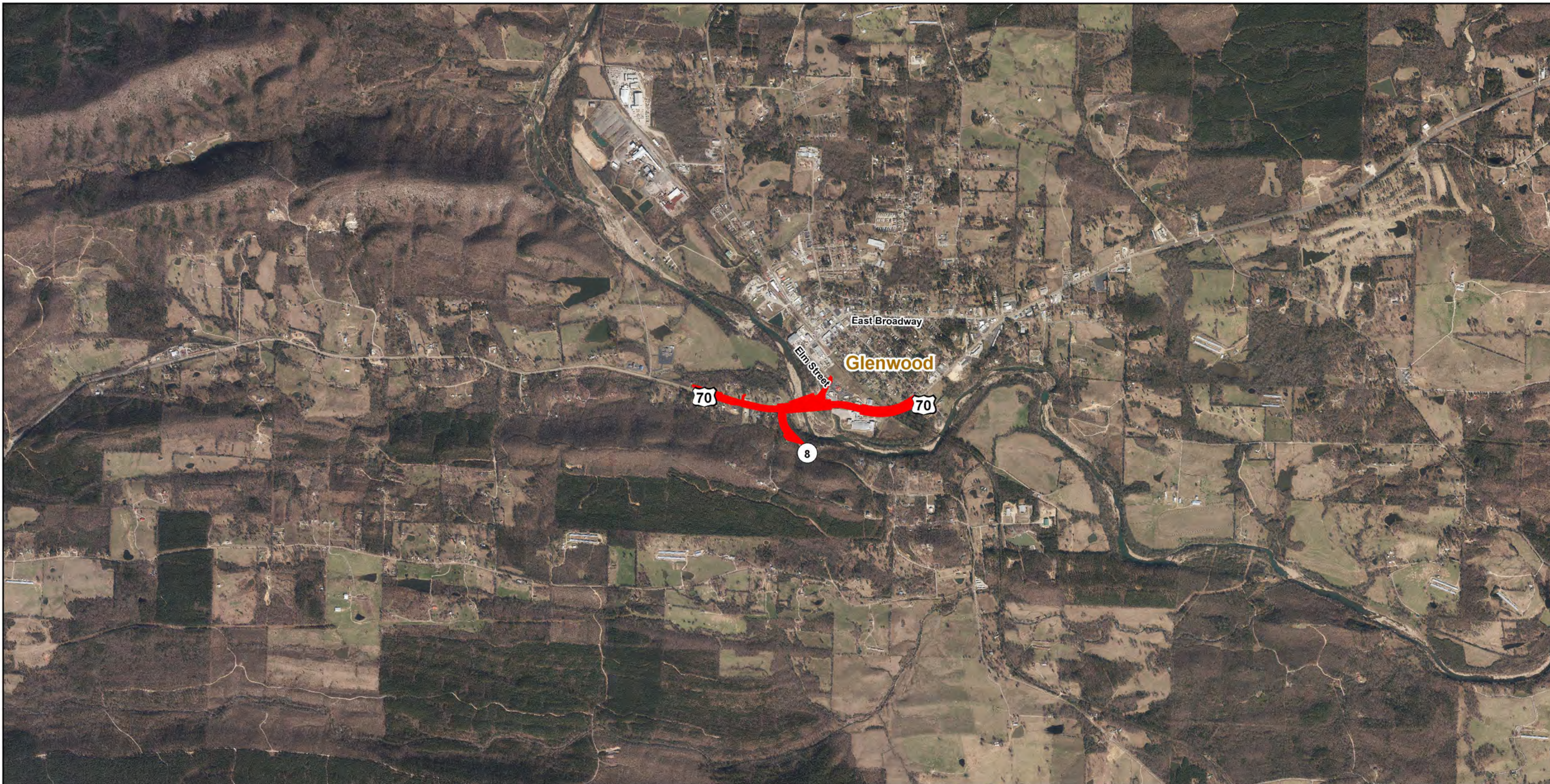
Saline & Caddo River Bridge Replacements
ARDOT Job No. 030501
Hwy. 70 Saline River Crossing
Bridge No. 02082 Replacement Project Location Map
April 2019



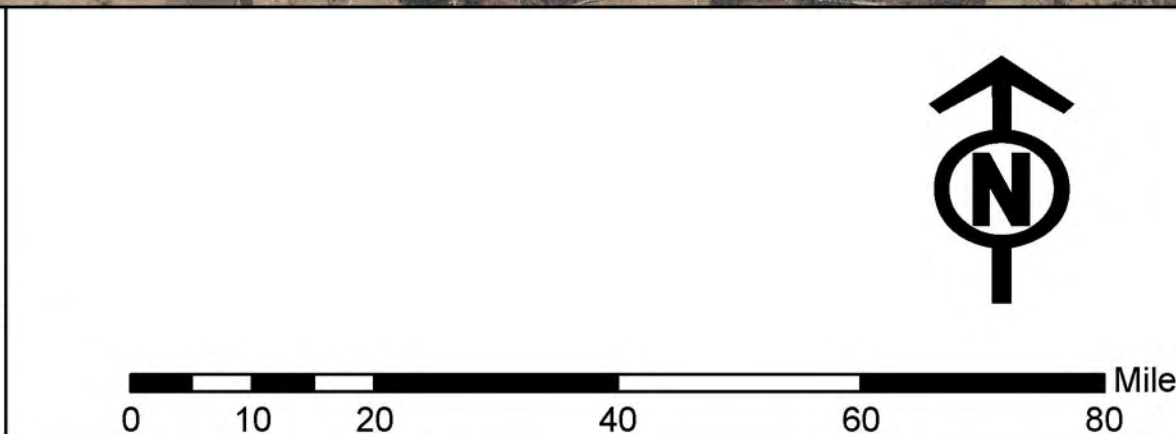


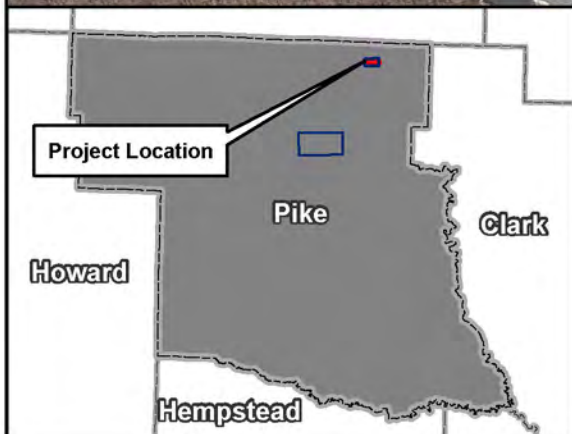
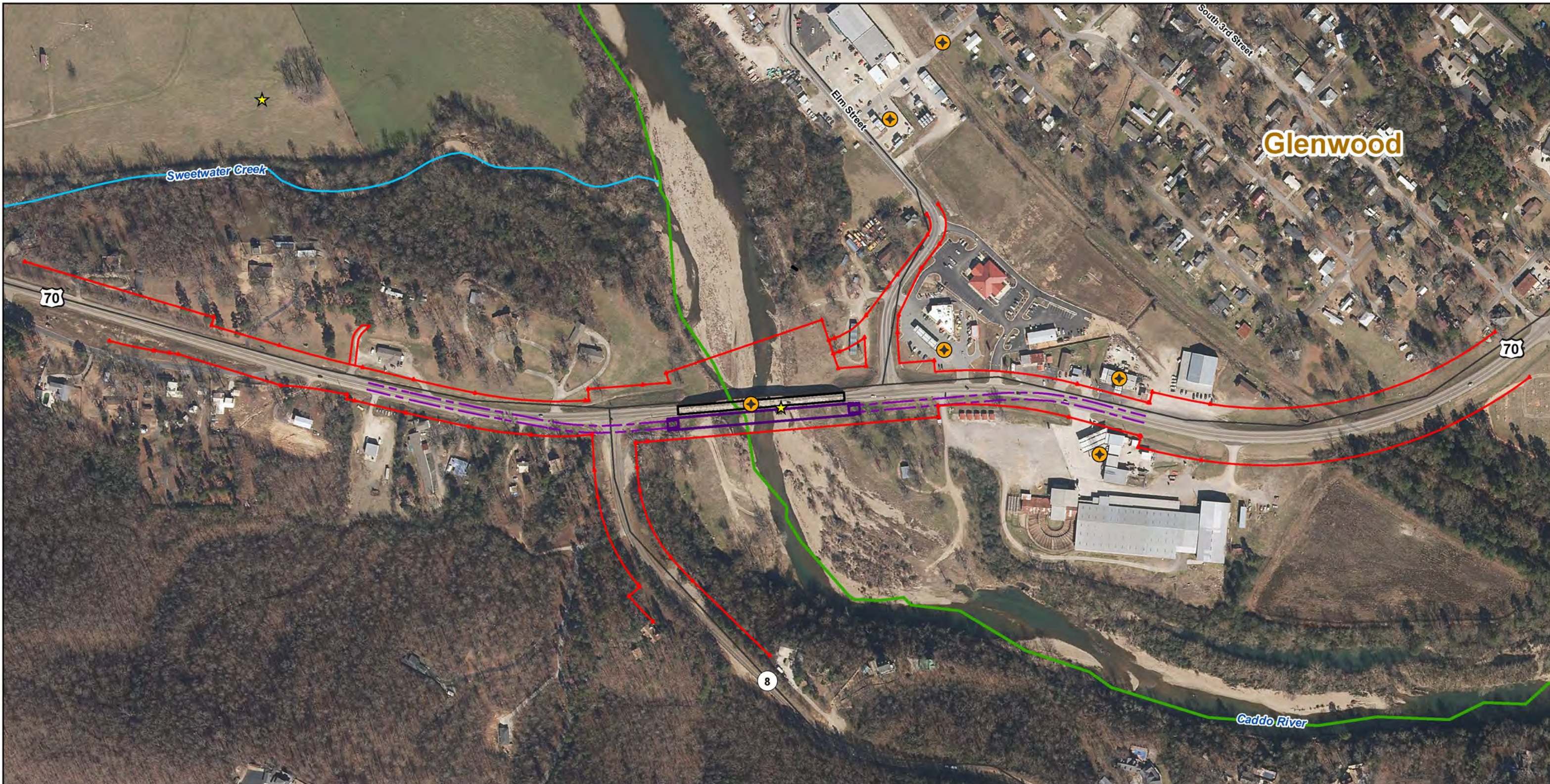
Saline & Caddo River Bridge Replacements
ARDOT Job No. 030501
Hwy. 70 Saline River Crossing
Bridge No. 02082 Replacement Project Location Map
April 2019

Existing Right of Way	Environmentally Sensitive Area
Existing Bridge	Wetland
Proposed Bridge	Stream
Proposed Lanes	Floodplain*












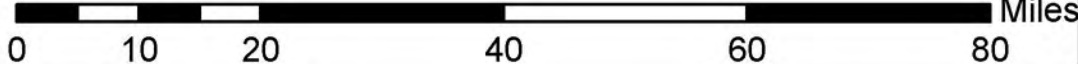
Saline & Caddo River Bridge Replacements
ARDOT Job No. 030501
Hwy. 70 Caddo River Crossing
Bridge No. 03089 Replacement Project Location Map
April 2019

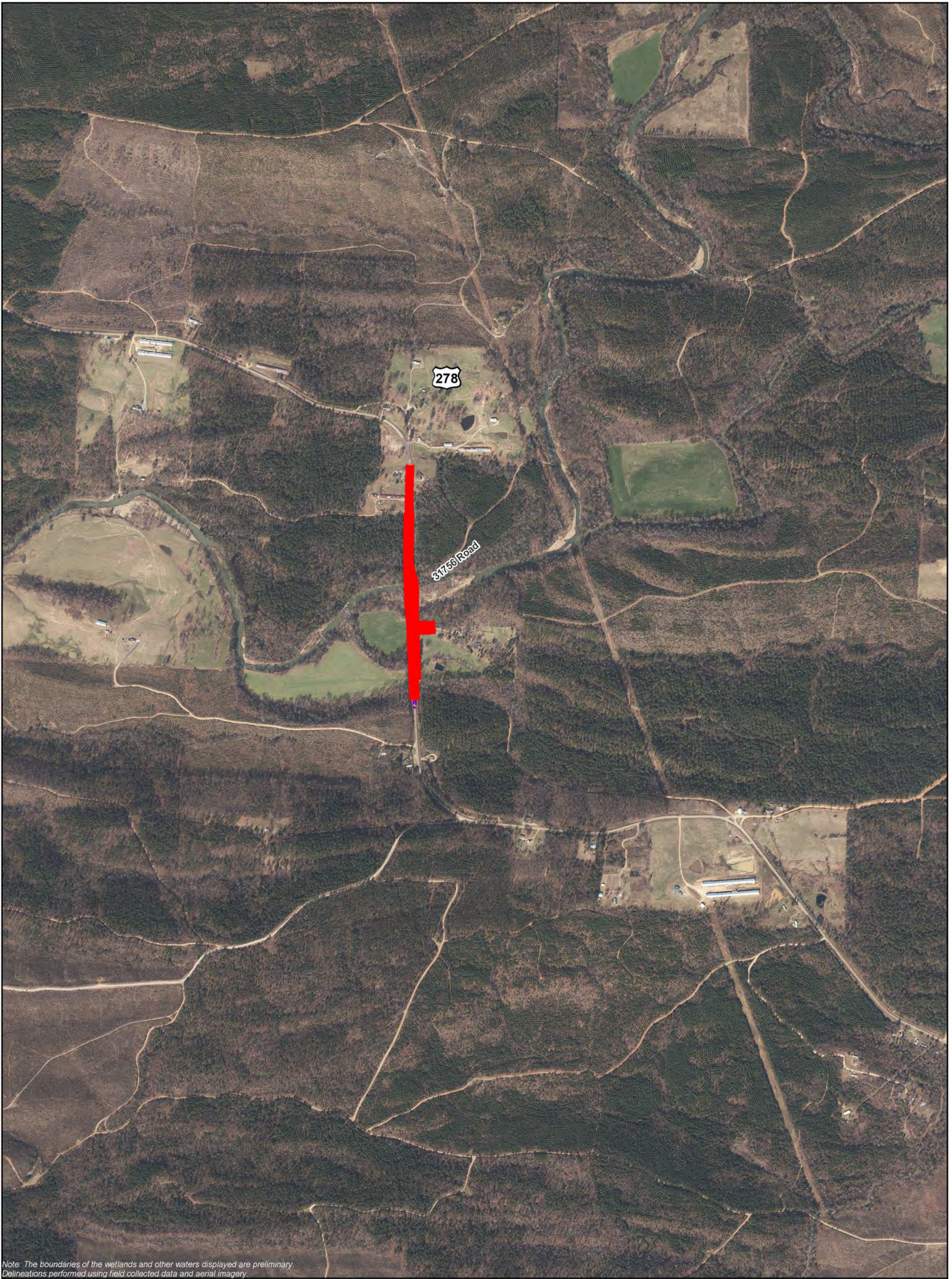




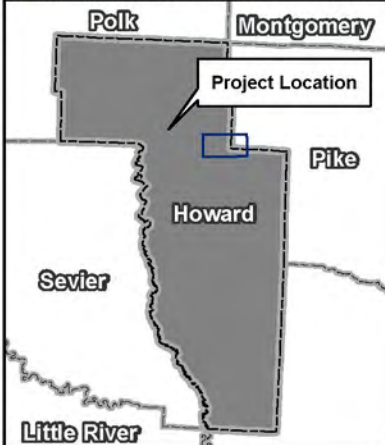
Saline & Caddo River Bridge Replacements
ARDOT Job No. 030501
Hwy. 70 Caddo River Crossing
Bridge No. 03089 Replacement Project Location Map
April 2019

 Existing Right of Way	 Environmentally Sensitive Area
 Existing Bridge	 Hazmat Sites
 Proposed Bridge	 Ecologically Sensitive Waterbody
 Proposed Lanes	 Stream



Note: The boundaries of the wetlands and other waters displayed are preliminary. Delineations performed using field collected data and aerial imagery.



Saline & Caddo River Bridge Replacements

ARDOT Job No. 030501

Hwy. 278 Saline River Crossing

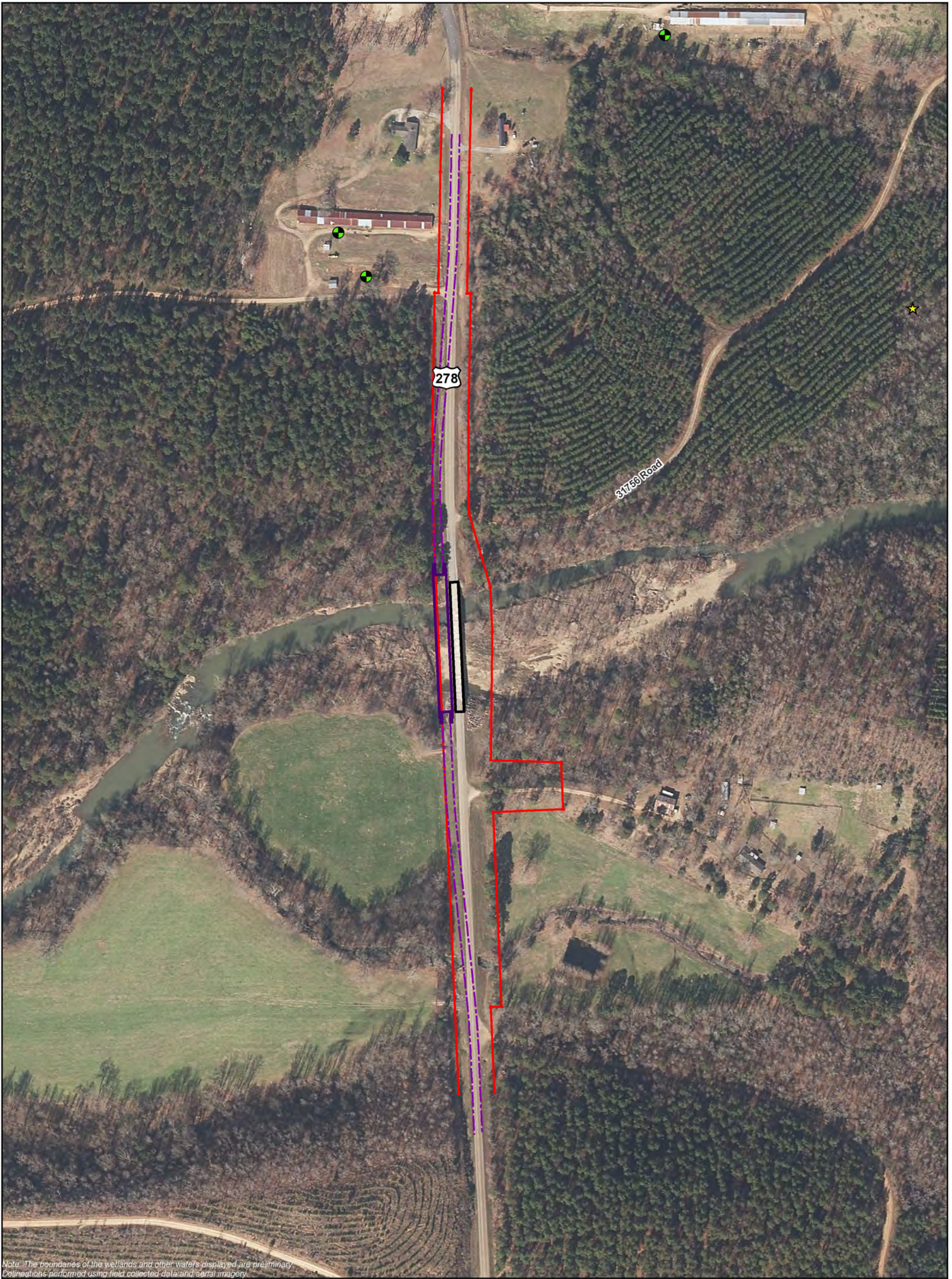
Bridge No. 03602 Replacement

Project Location Map

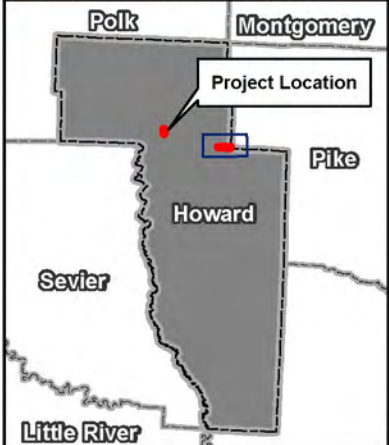
April 2019



0 625 1,250 2,500 Feet



Note: The boundaries of the wetlands and other waters displayed are preliminary. Delineations performed using field collected data and aerial imagery.



**Saline & Caddo River
Bridge Replacements**
ARDOT Job No. 030501
Hwy. 278 Saline River Crossing
Bridge No. 03602 Replacement
Project Location Map
April 2019

	Existing Right of Way		Poultry Farm
	Existing Bridge		Stream
	Proposed Bridge		Roads
	Proposed Lanes		Environmentally Sensitive Area
	Wetland		

0 125 250 500 Feet



March 15, 2019

T.J. Holiday, PWS
Michael Baker International
2113 Government Street, Suite D-3
Ocean Springs, MS 39564

RE: ARDOT Job 030501; Saline and Caddo Rivers; Howard, Pike and Sevier Counties

Dear Mr. Holiday:

This letter is in reference to your March 7, 2019, submittal regarding the Arkansas Department of Transportation's (ARDOT) proposal to replace three bridges on the Saline and Caddo Rivers on Hwy. 70 and Hwy. 278 in Howard, Pike and Sevier counties. Based upon the information submitted, and assuming ARDOT is among the agencies contacted regarding this project, the Arkansas Department of Environmental Quality (ADEQ) does not have any specific objections at this time.

It is reminded, if the construction site will disturb in excess of one (1) acre, the permittee must comply with the terms of the Stormwater Construction General Permit ARR150000 prior to the start of construction. The ARR150000 does not authorize any activity to be conducted in Waters of the State or Waters of the United States.

Any work being conducted in Waters of the State will require a Short Term Activity Authorization (STAA) from ADEQ in accordance with Regulation 2.305. A STAA is necessary for any in-stream activity that may cause an exceedance of applicable water quality standards. Any work being conducted in Waters of the United States may require a Section 404 permit from the U.S. Army Corps of Engineers. All applicable State and Federal laws must be met before, during, and after completion of the project.

For information on the Short Term Activity Authorization go to: <https://www.adeg.state.ar.us/water/planning/instream/> or call 501.680.0040. For more information on the Stormwater Construction General Permit ARR150000 go to: <https://www.adeg.state.ar.us/water/permits/npdes/stormwater/> or call 501.682.0620.

Good luck with the project. In the future, please direct National Environmental Policy Act correspondence to ADEQ's Office of Water Quality or to ADEQ's Enterprise Services section. If we can assist you further, contact us at 501.682.0015.

Sincerely,

A handwritten signature in blue ink that reads "Andrea Hopkins". The signature is written in a cursive style with a large initial 'A' and 'H'.

Andrea Hopkins
Interim Director, Enterprise Services

Alm

From: Allie Cumnock <Allie.Cumnock@arkansas.gov>
Sent: Friday, April 12, 2019 9:44 AM
To: Holliday, T J <TJHolliday@mbakerintl.com>
Cc: Darcia Routh <Darcia.Routh@arkansas.gov>
Subject: EXTERNAL: ARDOT Job No 03051_ Saline and Caddo Rivers

Mr. Holliday,

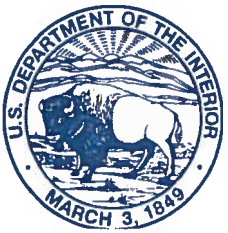
In the table below, please find the source/source water assessment information that you requested. Also, I have attached GIS shapefiles of the sources and source water assessment areas that fall within a 5 mile radius of the project areas.

Bridge ID	Assessment Areas	Sources
03602	Dierks Waterworks	None
03089	Glenwood Water Department, Amity Waterworks	Glenwood Water Department
02082	Dierks Waterworks, DeQueen Waterworks	Dierks Waterworks

Proximity Analysis within 5 mile radius of projects

If you have any questions, please let me know.

Allie Cumnock
Environmental Health Specialist
Source Water Protection
Arkansas Department of Health Engineering Section



IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE

Arkansas Ecological Service Field Office
110 South Amity Road, Suite 300
Conway, Arkansas 72032



May 7, 2019

Mr. John Fleming
c/o Mickey Matthews
Arkansas Department of Transportation
10324 Interstate 30
Little Rock, Arkansas 72209

Dear Mr. Fleming:

Thank you for your email of March 3, 2019. The U.S. Fish and Wildlife Service (Service) is responding to your request, regarding Job Number 030501, which includes three structures and approaches jobs over the Caddo River and Saline River on Hwy 70 and the Saline River above the Dierks Reservoir on Hwy 278 in Pike, Howard, and Sevier Counties, Arkansas. The project was described and assessed as follows (abbreviated and summarized):

Hwy 70 Caddo River includes the following species as possibly affected: Northern Long-eared Bat (*Myotis septentrionalis*), Arkansas Fatmucket, (*Lampsilis powellii*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Rabbitsfoot (*Theliderma cylindrica*), and Spectaclecase (*Cumberlandia monodonta*). ArDOT personnel surveyed the area for mussels and found one *Strophitus undulatus* and two *Vilosa iris*. The nearest known location with listed species is ~5 miles downstream (AR mussel (database)).

Hwy 70 Saline River includes the following species as possibly affected: Northern Long-eared Bat (*Myotis septentrionalis*), Pink Mucket, (*Lampsilis abrupta*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Rabbitsfoot (*Theliderma cylindrica*), and Scaleshell (*Leptodea leptodon*). ArDOT personnel surveyed the area for mussels and found seven species and a total of 18 individuals. *Actinonaias ligamentina* and *Amblema plicata* accounted for 11 of the 18. The nearest known location with listed species is ~6 miles downstream (database).

Hwy 278 Saline River includes the following species as possibly affected: Northern Long-eared Bat (*Myotis septentrionalis*), Pink Mucket, (*Lampsilis abrupta*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Rabbitsfoot (*Theliderma cylindrica*), and Scaleshell (*Leptodea leptodon*). ArDOT personnel surveyed the area for mussels and found a single *Ptychobranchnus occidentalis*. No listed species are known above the Dierks Reservoir (AR mussel database). Based on negative survey results, distance to known populations of listed species, use of appropriate erosion and sediment control, ArDOT believes any affects

would be insignificant or discountable. ArDOT is seeking concurrence with the determination of “may affect, not likely to adversely affect” these species at these sites.

The Service has reviewed your determination that the proposed action will not result in any prohibited incidental take for Northern Long-eared Bat. This project may affect the Northern Long-eared Bat; however, there are no effects beyond those previously disclosed in the Service’s programmatic biological opinion for the final 4(d) rule dated January 5, 2016. Any taking that may occur incidental to this project is not prohibited under the final 4(d) rule (50 CFR§17.40(o)).

This project is consistent with the description of the proposed action in the programmatic biological opinion, and the 4(d) rule does not prohibit incidental take of the Northern Long-eared Bat that may occur as a result of this project. Therefore, the programmatic biological opinion satisfies the "action agency" responsibilities under ESA section 7(a)(2) relative to the Northern Long-eared Bat for this project.

Please keep in mind that you must report any departures from the plans submitted; results of any surveys conducted; or any dead, injured, or sick Northern Long-eared Bats that are found to this office. If this project is not completed within one year of this letter, you must update your determination and resubmit the required information.

Based on the negative survey results, location of this action, the minimal habitat being affected immediately adjacent to existing roadway bridges and right of way, the distance to known species locations and suitable habitat, and application of standard sediment and erosion controls; the Service agrees with your assessment and concurs with your determinations of “may affect, not likely to adversely affect” for the listed species identified.

If you have any questions regarding our response or if you need additional information, please contact Lindsey Lewis at (501) 513-4489 or lindsey_lewis@fws.gov.

Sincerely,



Melvin L. Tobin
Field Supervisor

cc: Project File
Read File
Filename: C:\Users\lilewis\Documents\PROJECTS\FY2019\ARDOT\Job Number 030501\Comments-ArDOT Job Number 030501.docx



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:

April 24, 2019

Consultation Code: 04ER1000-2019-SLI-0801

Event Code: 04ER1000-2019-E-01528

Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70

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.

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: 04ER1000-2019-SLI-0801

Event Code: 04ER1000-2019-E-01528

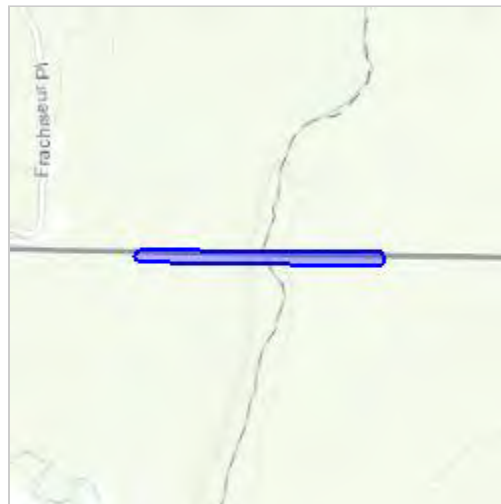
Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70

Project Type: TRANSPORTATION

Project Description: Replace the Highway 70 bridge over the Saline River.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/34.09595600595927N94.08481121063232W>



Counties: Howard, AR | Sevier, 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, 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.

-
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.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Clams

NAME	STATUS
Ouachita Rock Pocketbook <i>Arkansia wheeleri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4509	Endangered
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829	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.



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:

April 30, 2019

Consultation Code: 04ER1000-2019-TA-0801

Event Code: 04ER1000-2019-E-01548

Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70

Subject: Verification letter for the '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear Mickey Matthews:

The U.S. Fish and Wildlife Service (Service) received on April 25, 2019 your effects determination for the '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"^[1] prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

This IPaC-assisted determination allows you to rely on the PBO for compliance with ESA Section 7(a)(2) only for the northern long-eared bat. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Ouachita Rock Pocketbook, *Arkansia wheeleri* (Endangered)
- Pink Mucket (pearlymussel), *Lampsilis abrupta* (Endangered)
- Rabbitsfoot, *Quadrula cylindrica cylindrica* (Threatened)
- Scaleshell Mussel, *Leptodea leptodon* (Endangered)

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

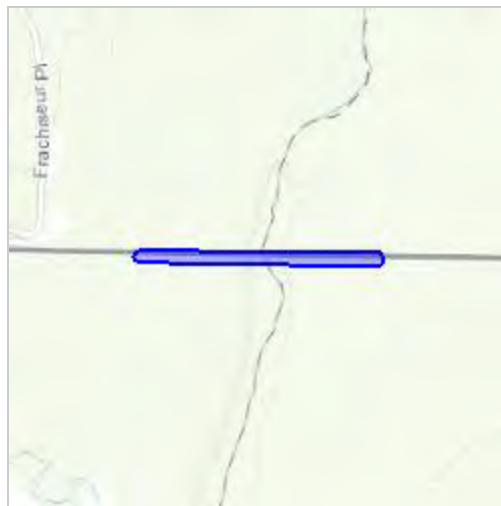
030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70

2. Description

The following description was provided for the project '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Saline River Hwy 70':

Replace the Highway 70 bridge over the Saline River.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/34.09595600595927N94.08481121063232W>

**Determination Key Result**

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

Yes

2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")

No

3. Will your activity purposefully **Take** northern long-eared bats?

No

4. Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

5. Is the project action area located within 0.25 miles of a known northern long-eared bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

6. Is the project action area located within 150 feet of a known occupied northern long-eared bat maternity roost tree?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0.4

2. If known, estimated acres of forest conversion from April 1 to October 31

0.4

3. If known, estimated acres of forest conversion from June 1 to July 31

0.4

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?
0



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:

April 24, 2019

Consultation Code: 04ER1000-2019-SLI-0800

Event Code: 04ER1000-2019-E-01526

Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River

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/angered/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: 04ER1000-2019-SLI-0800

Event Code: 04ER1000-2019-E-01526

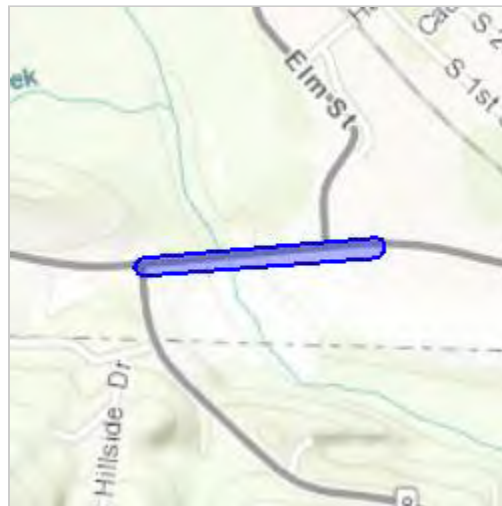
Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River

Project Type: TRANSPORTATION

Project Description: Replace the Hwy 70 Bridge.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/34.32151730754849N93.55204939842226W>



Counties: Pike, 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, 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.

-
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.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Clams

NAME	STATUS
Arkansas Fatmucket <i>Lampsilis powellii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2213	Threatened
Ouachita Rock Pocketbook <i>Arkansia wheeleri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4509	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
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7867	Endangered

Critical habitats

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



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:

April 30, 2019

Consultation Code: 04ER1000-2019-TA-0800

Event Code: 04ER1000-2019-E-01540

Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River

Subject: Verification letter for the '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear Mickey Matthews:

The U.S. Fish and Wildlife Service (Service) received on April 24, 2019 your effects determination for the '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"^[1] prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

This IPaC-assisted determination allows you to rely on the PBO for compliance with ESA Section 7(a)(2) only for the northern long-eared bat. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Arkansas Fatmucket, *Lampsilis powellii* (Threatened)
- Ouachita Rock Pocketbook, *Arkansia wheeleri* (Endangered)
- Rabbitsfoot, *Quadrula cylindrica cylindrica* (Threatened)
- Spectaclecase (mussel), *Cumberlandia monodonta* (Endangered)

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

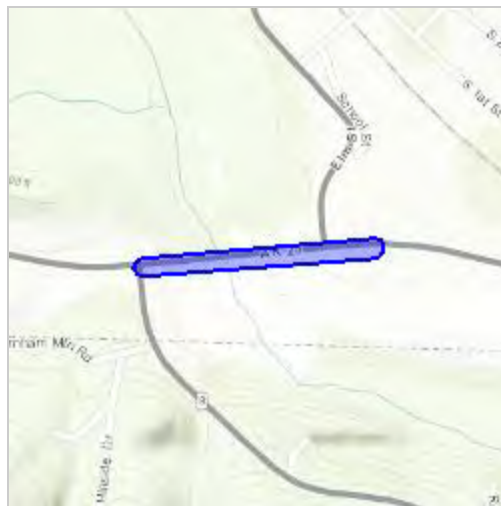
030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River

2. Description

The following description was provided for the project '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Caddo River':

Replace the Hwy 70 Bridge.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/34.32151730754849N93.55204939842226W>

**Determination Key Result**

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

Yes

2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")

No

3. Will your activity purposefully **Take** northern long-eared bats?

No

4. Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

5. Is the project action area located within 0.25 miles of a known northern long-eared bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

6. Is the project action area located within 150 feet of a known occupied northern long-eared bat maternity roost tree?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0.22

2. If known, estimated acres of forest conversion from April 1 to October 31

0.22

3. If known, estimated acres of forest conversion from June 1 to July 31

0.22

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?
0



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:

April 25, 2019

Consultation Code: 04ER1000-2019-SLI-0802

Event Code: 04ER1000-2019-E-01530

Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River

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/angered/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: 04ER1000-2019-SLI-0802

Event Code: 04ER1000-2019-E-01530

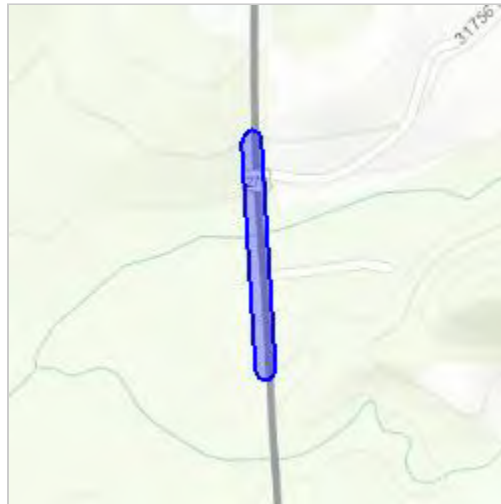
Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River

Project Type: TRANSPORTATION

Project Description: Replace the existing Highway 278 Bridge.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/34.21071083880669N94.05083298683168W>



Counties: Howard, 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, 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.

-
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.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Clams

NAME	STATUS
Ouachita Rock Pocketbook <i>Arkansia wheeleri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4509	Endangered
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829	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.



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:

April 30, 2019

Consultation Code: 04ER1000-2019-TA-0802

Event Code: 04ER1000-2019-E-01543

Project Name: 030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River

Subject: Verification letter for the '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear Mickey Matthews:

The U.S. Fish and Wildlife Service (Service) received on April 25, 2019 your effects determination for the '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"^[1] prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

This IPaC-assisted determination allows you to rely on the PBO for compliance with ESA Section 7(a)(2) only for the northern long-eared bat. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Ouachita Rock Pocketbook, *Arkansia wheeleri* (Endangered)
- Pink Mucket (pearly mussel), *Lampsilis abrupta* (Endangered)
- Rabbitsfoot, *Quadrula cylindrica cylindrica* (Threatened)
- Scaleshell Mussel, *Leptodea leptodon* (Endangered)

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

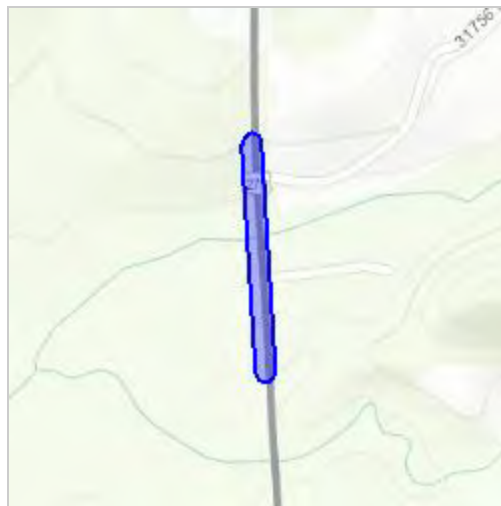
030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River

2. Description

The following description was provided for the project '030501 Saline & Caddo Rivers Strs. & Apprs. (S) - Hwy 278 Saline River':

Replace the existing Highway 278 Bridge.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/34.21071083880669N94.05083298683168W>

**Determination Key Result**

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

Yes

2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")

No

3. Will your activity purposefully **Take** northern long-eared bats?

No

4. Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

5. Is the project action area located within 0.25 miles of a known northern long-eared bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

6. Is the project action area located within 150 feet of a known occupied northern long-eared bat maternity roost tree?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0.1

2. If known, estimated acres of forest conversion from April 1 to October 31

0.1

3. If known, estimated acres of forest conversion from June 1 to July 31

0.1

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?
0



THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

Date: March 11, 2019
Subject: Project Review

Mr. TJ Holliday, PWS
Michael Baker International
2113 Government Street, Suite D-3
Ocean Springs, MS 39564

Arkansas Arts Council

Arkansas Historic
Preservation Program

Arkansas Natural
Heritage Commission

Arkansas State Archives

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars Cultural Center

Old State House Museum

Dear Mr. Holliday:

This is to confirm receipt of your letter regarding ARDOT's Bridge Replacement Projects on Highways 70 and 248. Your project is being handled as an "opportunity to review" as described in the Information Sharing policy printed on the back of this letter. Under this policy, you will receive a written response from us only if we have specific concerns regarding the proposal. To receive confirmation that the project has been reviewed, you may contact me by phone at 501-324-9762 or e-mail at Cindy.Osborne@arkansas.gov after March 29, 2019.

An Arkansas Natural Heritage Commission (ANHC) project number will be provided to you at that time as evidence of our review. This is the only way to confirm that the project has been reviewed. If you wish to receive a letter from us, you may contact me and ask that your project be handled as an "information request." You should be aware that fees are applied to projects handled under that option. This letter only confirms receipt, not review, of your project. Please feel free to contact me if you have questions or need additional information.

Sincerely,

Cindy Osborne
Data Manager/Environmental Review Coordinator



1100 North Street
Little Rock, AR 72201

(501) 324-9619
fax: (501) 324-9618

info@naturalheritage.com
www.naturalheritage.com

Arkansas Natural Heritage Commission
Department of Arkansas Heritage
Information Sharing Environmental Review Policies/Procedures

The Arkansas Natural Heritage Commission maintains a database of information on the known locations of species of conservation concern in Arkansas. This includes species listed as endangered or threatened under the Endangered Species Act as well as species of state concern. The database was developed to help the agency meet its mission of identifying and protecting natural areas in the state. The information is made available to outside users through the Agency's Environmental Review/Information sharing program. County level information is available on the agency's web page, but site specific location information is only available through the Environmental Review/Information Sharing program. Two options for project review are offered:

1. A project may be handled as an "information request." If handled under this option, a 2-week review period will be assigned to the project. A detailed database search will be conducted and a response prepared. The response will include the results of the data search, as well as a county element list that has been annotated to indicate those sensitive species known to occur within a 1 and 5 mile radius of the project site. The requestor will receive a response from the agency whether the agency has particular concerns or not. There is a charge for this service, please visit our web page for a full fee schedule: (<http://naturalheritage.com/program/data-requests.asp>). Typically small projects run \$30.00-\$60.00. Users will receive an invoice with the project response. This option provides a detailed project review, a two-week "turn-around" time (very large projects may take longer), and a definitive response.
2. A project may be submitted to the agency as an "opportunity for review." If handled under this option, a 3-4 week review period will be assigned to the project. If the agency has no concerns about the proposal, project papers will be filed without comments. **The agency will make no response to the requestor unless it has specific concerns.** If desired, the requestor may contact the agency to find out the disposition of the project. As evidence that the review has been conducted, the requestor will be given the "ANHC Number" for the project. This is a unique identifying number assigned by the agency to each project it handles. A project handled as an "opportunity to review" is typically given a lower priority than an information request, time frames are likely to be much longer, and **the responsibility to verify that a review has been conducted falls solely upon the requestor.** There is no charge for this option.

Requestors should clearly identify in a cover letter which review option they prefer. To handle reviews and requests efficiently, we prefer to receive a map depicting the project area boundaries delineated on a copy of a 1:24,000 topographic map or an ArcView shapefile of the project area (this speeds up the data search). If this is not available, we will need to receive at least the township, range, and section (1/4 section if possible) of the review site or latitude and longitude coordinates. Because our data is stored on topographic maps, street addresses are much more difficult to search, which could add to overall costs for information requests or time for reviews.

Reviews for cultural resources (historic structures or archeological sites) are handled by the Arkansas Historic Preservation Program (AHPP), another agency of the Department of Arkansas Heritage. Requests for cultural reviews should be submitted separately to AHPP. For more information on AHPP you may visit their web page (<http://www.arkansaspreservation.com/>) or call them at 501-324-9880.



THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

Date: March 29, 2019
Subject: Elements of Special Concern
Saline & Caddo Rivers Strs. & Apprs
Howard, Pike, and Sevier Counties
ANHC No.: P-CF..-19-015

Mr. TJ Holliday
Michael Baker International
2113 Government Street, Suite D-3
Ocean Springs, MS 39564

Dear Mr. Holliday:

Staff members of the Arkansas Natural Heritage Commission have reviewed the material you submitted on the proposed Arkansas Highway and Transportation bridge replacement projects on the Saline and Caddo Rivers on Highway 70 and Highway 278 in Howard, Pike and Sevier Counties, Arkansas. Our records indicate the following species of conservation concern have been recorded at these sites:

Arkansas Arts Council

Arkansas Historic
Preservation Program

Arkansas Natural
Heritage Commission

Arkansas State Archives

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars Cultural Center

Old State House Museum

- Saline River, Highway 278 bridge, Howard County
 - *Ptychobranchnus occidentalis*, Ouachita Kidneyshell – State Concern
- Saline River, Highway 70 bridge, Howard/Sevier Counties
 - *Lythrurus snelsoni*, Ouachita shiner – State Concern
 - *Notropis ortenburgeri*, Kiamichi shiner – State Concern
 - *Pteronotropis hubbsi*, bluehead shiner – State Concern
 - *Ptychobranchnus occidentalis*, Ouachita Kidneyshell – State Concern
 - *Vernonia lettermannii*, Letterman's ironweed – State Concern
- Caddo River, Highway 70 bridge, Pike County
 - *Cyprogenia sp. cf aberti*, Ouachita Fanshell – State Concern
 - *Etheostoma clinton*, beaded darter – State Concern
 - *Noturus taylori*, Caddo madtom – State Concern
 - *Ptychobranchnus occidentalis*, Ouachita Kidneyshell – State Concern

Efforts should be made to limit stream and riparian impacts to the extent possible. Careful use and monitoring of Best Management Practices to protect water quality will be important.

The opportunity to comment is appreciate.

Sincerely,

Cindy Osborne
Data Manager/Environmental Review Coordinator



1100 North Street
Little Rock, AR 72201

(501) 324-9619
fax: (501) 324-9618

info@naturalheritage.com
www.naturalheritage.com



THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

January 9, 2019

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

**RECEIVED
ARDOT
JAN 14 2019
ENVIRONMENTAL
DIVISION**

Arkansas Arts Council

Arkansas Historic
Preservation Program

Arkansas Natural
Heritage Commission

Arkansas State Archives

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars
Cultural Center

Old State House Museum

RE: Sevier, Howard, & Pike Counties – General
Section 106 Review – FHWA
ARDOT Job Number 030501
Saline & Caddo Rivers Strs. & Apprs. (S) – Hwy 22
Route 70, Sections 2-6
Route 278, Section 2
AHPP Tracking Number 100267.01

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program (AHPP) has reviewed the documents included with your letter of January 7, 2019.

We continue to concur that ARDOT Bridge #02082 on Route 70 is not eligible for listing in the National Register of Historic Places (NRHP).

We continue to concur that ARDOT Bridge #03089 on Route 70 is not eligible for listing in the NRHP.

Finally, we continue to concur that ARDOT Bridge #03602 on Route 278 is not eligible for listing in the NRHP. Additionally, we concur that archeology site 3HO0232 is not eligible for the NRHP.

Therefore, we have determined that this undertaking will have no effect to historic properties.

Tribes that have expressed an interest in the area include the Caddo Nation (Ms. Tamara Francis), the Choctaw Nation of Oklahoma (Dr. Ian Thompson), the Jena Band of Choctaw Indians (Ms. Alina J. Shively), the Quapaw Nation of Oklahoma (Mr. Everett Bandy), the Shawnee Tribe of Oklahoma (Ms. Tonya Tipton), and the United Keetoowah Band of Cherokee Indians (Ms. Sheila Bird). We recommend that they be consulted in accordance with 36 CFR § 800.2 (c) (2).

Once the undertaking is further along in the planning stages, we look forward to reviewing the proposed project. If you should have any questions or comments, please do not hesitate to contact Theresa Russell of my staff at (501)-324-9880.



ARKANSAS HISTORIC
PRESERVATION PROGRAM



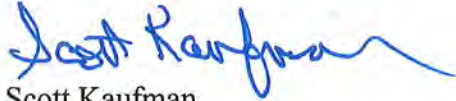
1100 North Street
Little Rock, AR 72201

(501) 324-9880
fax: (501) 324-9184

info@arkansaspreservation.org
www.arkansaspreservation.com

An Equal Opportunity Employer

Sincerely,



Scott Kaufman
Director, AHPP

cc: Mr. Randal 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)		3. Date of Land Evaluation Request 3/22/19	4. Sheet 1 of 1
1. Name of Project <small>ARDOT Job 30501, Saline & Caddo Rivers Strs. & Apprs. (S), Bridge No. 02082</small>		5. Federal Agency Involved NA	
2. Type of Project Bridge replacement		6. County and State Howard and Sevier Counties, 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 <input type="checkbox"/> NO <input type="checkbox"/>	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	0.328			
B. Total Acres To Be Converted Indirectly, Or To Receive Services	0			
C. Total Acres In Corridor	0.328			

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland				
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	14			
2. Perimeter in Nonurban Use	10	10			
3. Percent Of Corridor Being Farmed	20	18			
4. Protection Provided By State And Local Government	20	20			
5. Size of Present Farm Unit Compared To Average	10	6			
6. Creation Of Nonfarmable Farmland	25	0			
7. Availability Of Farm Support Services	5	4			
8. On-Farm Investments	20	1			
9. Effects Of Conversion On Farm Support Services	25	0			
10. Compatibility With Existing Agricultural Use	10	4			
TOTAL CORRIDOR ASSESSMENT POINTS	160	77	0	0	0

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Corridor Assessment (From Part VI above or a local site assessment)	160	77	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	77	0	0	0

1. Corridor Selected: Hwy. 70 at Bridge No. 02082	2. Total Acres of Farmlands to be Converted by Project: 0.328 acres	3. Date Of Selection: 3/22/19	4. Was A Local Site Assessment Used? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
---	---	---	---

5. Reason For Selection:
Bridge replacement project for Bridge No. 02082 on Hwy. 70 at the Saline River in Howard and Sevier Counties, AR.

Signature of Person Completing this Part: _____ DATE **3/22/19**

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



**FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS**

PART I (To be completed by Federal Agency)	3. Date of Land Evaluation Request 3/22/19	4. Sheet 1 of 1
---	--	------------------------

1. Name of Project <small>ARDOT Job 30501, Saline & Caddo Rivers Strs. & Apprs. (S), Bridge No. 03602</small>	5. Federal Agency Involved NA
--	---

2. Type of Project Bridge replacement	6. County and State Howard County, 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 <input type="checkbox"/> NO <input type="checkbox"/>	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	1,447			
B. Total Acres To Be Converted Indirectly, Or To Receive Services	0			
C. Total Acres In Corridor	1,447			

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland				
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	9			
2. Perimeter in Nonurban Use	10	7			
3. Percent Of Corridor Being Farmed	20	6			
4. Protection Provided By State And Local Government	20	20			
5. Size of Present Farm Unit Compared To Average	10	2			
6. Creation Of Nonfarmable Farmland	25	0			
7. Availability Of Farm Support Services	5	3			
8. On-Farm Investments	20	17			
9. Effects Of Conversion On Farm Support Services	25	0			
10. Compatibility With Existing Agricultural Use	10	4			
TOTAL CORRIDOR ASSESSMENT POINTS	160	68	0	0	0

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Corridor Assessment (From Part VI above or a local site assessment)	160	68	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	68	0	0	0

1. Corridor Selected: Hwy. 278 at Bridge No. 03602	2. Total Acres of Farmlands to be Converted by Project: 1.447 acres	3. Date Of Selection: 3/22/19	4. Was A Local Site Assessment Used? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
--	---	---	---

5. Reason For Selection:
Bridge replacement project for Bridge No. 03602 on Hwy. 278 at the Saline River in Howard County, AR.

Signature of Person Completing this Part:	DATE 3/22/19
---	------------------------

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





**Public Involvement Meeting
Job Number 030501
Saline & Caddo Rivers Strs. & Apprs. (S)
Howard, Sevier and Pike Counties
Thursday, May 2, 2019**

An open forum Public Involvement meeting for the proposed ARDOT Job 030501 - Saline & Caddo Strs. & Apprs. (S) project was held at the Glenwood First Baptist Church (Family Life Center) from 4:00 p.m. – 7:00 p.m. on Thursday, May 2, 2019. Efforts to involve minorities and the public in the meeting included the following:

- Display advertisements placed in the *Nashville News-Leader* and the *Murfreesboro Diamond* on Wednesday, April 17, 2019, and Wednesday, April 24, 2019
- Display advertisement placed in the *Glenwood Herald* on Thursday, April 18, 2019, and Thursday, April 25, 2019
- Public Service Announcements (PSA) broadcast multiple times on Southwest Arkansas Radio *KDQN-1390 KHz AM* and *B 99.5 FM-KMTB* from Monday, April 29, 2019, through Thursday, May 2, 2019
- Outreach letters mailed to Public Officials
- Distribution of flyers in the project area

The following information was available for inspection and comment:

- Displays that included three aerial photographs at a scale of 1 inch = 50 feet, illustrating Site 1, Site 2, and Site 3.
- Three street maps illustrating the same alignments
- Preliminary design of the proposed project at a scale of 1 inch = 50 feet

Handouts for the public included a comment sheet and a small-scale map illustrating the project locations. Copies of these handouts are attached.

Table 1 describes the results of the public participation at the meeting.

TABLE 1	
Public Participation	Totals
Attendance at meeting (including ARDOT staff)	52
Comment forms received	22
Letters Received	0
Total comments received	22

ARDOT staff reviewed all comments received and evaluated their contents. The summary of comments listed below reflects the personal perception or opinion of the person or organization making the statement. The sequencing of the comments is random and is not intended to reflect importance or numerical values. Some of the comments were combined and/or paraphrased to simplify the synopsis process.

An analysis of the responses received as a result of the public survey on Site 1 is shown in Table 2.

TABLE 2	
Site 1 Survey Results	Totals
Supports the replacement of the Hwy. 70 Saline River Bridge (Site 1)	3
Does not support the replacement of the Hwy. 70 Saline River Bridge (Site 1)	0
No response to support/does not support	19
Knowledge of historical, archeological or cemetery sites	0
Knowledge of area environmental constraints	0
Home or property offers limitations to the project	0
Suggestions to better serve the needs of the community	1
Beneficial impacts due to proposed project	2
Adverse impacts due to proposed project	1
No response to beneficial/adverse impacts	19

The following is a listing of comments concerning issues associated with Site 1 of this project:

- One individual stated “The bridge itself seems okay; however, the [Highway] going past the bridge west needs a turning lane [because] the Dierks Lake Road is so congested with campers, boats, etc. we need a place to get them safely turned onto this road off Hwy. 70. Also, we really need a 4-lane bridge for future benefits.”

An analysis of the responses received as a result of the public survey on Site 2 is shown in Table 3.

TABLE 3	
Site 2 Survey Results	Totals
Supports the replacement of the Hwy. 70 Caddo River Bridge (Site 2)	20
Does not support the replacement of the Hwy. 70 Caddo River Bridge (Site 2)	0
No response to support/does not support	2
Knowledge of historical, archeological or cemetery sites	0
Knowledge of area environmental constraints	0
Home or property offers limitations to the project	2
Suggestions to better serve the needs of the community	19
Beneficial impacts due to proposed project	17
Adverse impacts due to proposed project	1
No response to beneficial/adverse impacts	4

The following is a listing of comments concerning issues associated with Site 2 of this project:

- Fifteen individuals were concerned with the existing curve on Hwy 8 north of Hwy 70 and would like the project limits to be expanded to address this issue.
- Seven individuals addressed concerns about the addition of a traffic light at the intersection of Hwy. 70 and Hwy. 8.
- One individual would like for some drainage work to be done to the ditch on the ROW to adequately handle the volume of water.
- Two individuals were concerned with the construction schedule and requested that the construction take place outside of the 90-day peak tourism season.
- Two individuals requested that all pilings from the current bridge and a previous bridge replacement project be removed as part of this project.

An analysis of the responses received as a result of the public survey on Site 3 is shown in Table 4.

TABLE 4	
Site 3 Survey Results	Totals
Supports the replacement of the Hwy. 278 Saline River Bridge (Site 3)	2
Does not support the replacement of the Hwy. 278 Saline River Bridge (Site 3)	0
No response to support/does not support	20
Knowledge of historical, archeological or cemetery sites	0
Knowledge of area environmental constraints	0
Home or property offers limitations to the project	0
Suggestions to better serve the needs of the community	1
Beneficial impacts due to proposed project	1
Adverse impacts due to proposed project	0
No response to beneficial/adverse impacts	21

The following is a listing of comments concerning issues associated with Site 3 of this project:

- One individual requested a review of the driveway for 14826 Hwy. 278 North in Dierks.
- One individual requested that if there aren't any existing structural issues at Site 3 that the money be used to improve U.S. 70 between Glenwood, Hot Springs, Garland, & Montgomery County.

A listing of general comments concerning the proposed project follows:

- Most comments received were regarding the curve on Hwy. 8 north of Hwy 70 and the commenters generally would like the project limits to be expanded to address this issue.
- Several individuals addressed concerns either for or against the addition of a traffic light at the intersection of Hwy. 70 and Hwy. 8.

Attachments:

Proof of publications, Public Meeting notice, blank comment form, Location Map, display handouts, and meeting register

PROOF OF PUBLICATION

In the
Glenwood Herald
Glenwood, AR 71943

I, John R. Schirmer, do solemnly swear that I am the publisher of the **Glenwood Herald**, a newspaper published weekly at Glenwood, Pike County, Arkansas, and that said newspaper, published in said county, has a bonafide circulation, and that the notice attached hereto was published in said newspaper for 2 consecutive issues

as follows:

1st Pub April 18, 2019

2nd Pub April 25, 2019

3rd Pub _____

4th Pub _____

John R. Schirmer

Publisher

State of Arkansas
County of Howard

Subscribed and sworn to before me this
25 day of April, 2019.

Pam McAnelly
Notary Public

My commission expires 4-1-2025
Publication cost _____



lective address signs. These
d, if the numbers are to be
vertical, & contact number.
FD & First Responders re-
n in the dark and are read-
e information contact Tana
ef Blake Harmon 870-200-
d Reid 870-925-0806. Mail
, P.O. Box 126, Kirby, AR

WALKING CLINIC
WALK OR RUN ARKANSAS
in or walk, but didn't know
of the 22nd Annual Wom-

Lord's service. So many took part in the expansion and
we could not have done it without you! We would like to
invite you to join us for this blessed event on Saturday,
April 20th at 2:00 p.m. We will have fellowship, food
and share in God's amazing grace as we dedicate our en-
larged fellowship hall and four new rooms.

KINDERGARTEN REGISTRATION FOR CENTERPOINT

Registration for the school year 2019 - 2020
for Centerpoint Kindergarten classes will be
April 23, from 8:30 a.m to 3:30 p.m at the el-
ementary facility.

Please be sure you bring the following re-
cords -

...Drawings at
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Your commitment is to attend the sessions during this period & to run or walk the Women Can Run/Walk 5K graduation event in Conway on May 11, 2019. We have training programs for any level of runner or walker that will help you meet this goal – even if you have never run or walked before!
Go to: WWW.WOMENRUNARKANSAS.NET for more information or contact Valinda Sirmon 870-210-1761.

HELP US KEEP THE PUBLIC INFORMED!
Bring us your community news events to 209 East Broadway or email the information to: gwherald@windstream.net or gwadsales@windstream.net. Emails are preferred but not required.

**CITY OF GLENWOOD
LARGE ITEM TRASH PICK-UP
HOUSEHOLD RESIDENTS ONLY**

Monday & Wednesday pick-ups
Saturday, April 13th, 2019
Tuesday pick-ups - Saturday, April 20th
Start at 7:00 AM through ----

NONE OF THE FOLLOWING ITEMS ACCEPTED:
Household trash; paper, cardboard, items in
Trash bags, Styrofoam, canned goods, glass or can;
hazardous waste, oil, gas, thinner, aerosol containers,
treated wood; tires, paint cans, anything burnt, etc.

**Be A Part Of
an Nation!!**
Deadline May 1, 2019

Day Monday-Thursday
School Year.

curricular programs such as Quiz
B, FBLA, Trap Shooting and Music.
Athletic Programs such as
Soccer and Fishing.

and virtual online classes through a
District that offers every student a
choice of learning at school and home.

from outside our district boundaries
to all students
in our district.

from another district, parents must
provide contact information, please
call 870-398-4212 ext 3!



www.kirbytrojans.net
Kirby School District

4. Social Security card for the child.
 5. EPSDT health screening.
- If you need further information, or need to make an appointment for a different time, Call 870-356-2912.


**HOPPER CEMETERY CLEAN-UP DAY
AND DECORATION DAY**

A clean-up day is scheduled for the Hopper Cemetery for **May 4th**. Decoration Day is Mother's Day, **May 12th**. Contributions may be sent to: **Hopper Cemetery Fund**, c/o Avadelle Cogburn, 326 Oak Grove Rd., Caddo Gap, AR. 71935 or Charles Coffman, 1948 Hwy 240 W., Caddo Gap, AR. 71935

AMITY ADULT EDUCATION

Amity Adult Education offers educational learning in these areas: GED, ELL (ESL), college preparation, Academic Skills or advanced learning. Contact 870-342-5374

**OPEN HOUSE
NOTICE OF PUBLIC MEETING**



WHAT: Public Involvement Meeting to discuss the proposed replacements of the Caddo River Bridge on Hwy 70 & the Saline River Bridges on Hwy. 70 & Hwy. 278 in the counties of Sevier, Pike and Howard.

WHEN: Thursday, May 2, 2019
4:00 p.m. to 7:00 p.m.

WHERE: Glenwood First Baptist Church
(Family Life Center)
904 US-70
Glenwood, AR 71943

Sponsor: Arkansas Department of Transportation (ARDOT)

Special communication or accommodation needs under the Americans with Disabilities Act (ADA) may contact Ruby Jordan-Johnson at 501-569-2379 or email environmentalpmcmeetings@ardot.gov. The hearing or speech impaired, may contact the Arkansas Relay System at (Voice/TTY 711). Requests should be made at least 4 days prior to the public meeting.

NOTICE OF NONDISCRIMINATION: The Arkansas State Highway and Transportation Department (Department) complies with all civil rights provisions of federal statutes and related authorities that prohibit discrimination in programs and activities receiving federal financial assistance. Therefore, the Department does not discriminate on the basis of race, sex, color, age, national origin, religion (not applicable as a protected group under the Federal Motor Carrier Safety Administration Title VI Program), disability, Limited English Proficiency (LEP), or low-income status in the admission, access to and treatment in the Department's programs and activities, as well as the Department's hiring or employment practices. Complaints of alleged discrimination and inquiries regarding the Department's nondiscrimination policies may be directed to Joanna P. McFadden Section Head - EEO/DBE (ADA/504/Title VI Coordinator), P. O. Box 2261, Little Rock, AR 72203, (501)569-2298, (Voice/TTY 711), or the following email address: joanna.mcfadden@ardot.gov

Free language assistance for Limited English Proficient individuals is available upon request.

This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.

ARDOT Job No. 030501

PROOF OF PUBLICATION

In the
Murfreesboro Diamond
Murfreesboro, AR 71958

I, John R. Schirmer, do solemnly swear that I am the publisher of the **Murfreesboro Diamond**, a newspaper published weekly at *Murfreesboro, Pike County, Arkansas*, and that said newspaper, published in said county, has a bonafide circulation, and that the notice attached hereto was published in said newspaper for 2 consecutive issues as follows:

- 1st Pub April 17, 2019
- 2nd Pub April 24, 2019
- 3rd Pub _____
- 4th Pub _____

John R. Schirmer
Publisher

State of Arkansas
County of Howard

Subscribed and sworn to before me this 24 day of April, 2019

Pam McAnelly
Notary Public

My commission expires 4-1-2025
Publication cost _____

PAM MCANELLY
Notary Public - Arkansas
Sevier County
Commission #12403418
My Commission Exp. 4/01/2025

to take a few minutes to
at I really enjoyed all of
nd the lovely flowers that
I was in the hospital in

Thank you so much,
I love you all,
Peggy Jordan



CALL CHRISTY AT THE DIAMOND TO PLACE YOURS! 870-285-2723

Easter Treats at Caddo Antiques
Hop on in this **Friday & Saturday**
to see what surprise the

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 mbs, Jeremy A., 30, Murfreesboro,
 y of driving with suspended license,
 \$345 and sentenced to six days in jail;
 y of no seat belt, fined \$90; guilty of
 roof of liability insurance, fined \$75
 only
 dson, Chance A., 30, De Kalb, Texas,
 BF, running stop sign
 dwin, Kara, 26, Hot Springs, guilty
 iving with suspended license, fined
 guilty of failure to appear, fined \$225
 nzalez, Brisneyda V., 37, Murfrees-
 \$145 BF, no child restraint device

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OPEN HOUSE NOTICE OF PUBLIC MEETING



WHAT: Public Involvement Meeting to discuss the proposed replacements of the Caddo River Bridge on Hwy 70 & the Saline River Bridges on Hwy. 70 & Hwy. 278 in the counties of Sevier, Pike and Howard.

WHEN: Thursday, May 2, 2019
 4:00 p.m. to 7:00 p.m.

WHERE: Glenwood First Baptist Church
 (Family Life Center)
 904 US-70
 Glenwood, AR 71943

 Sponsor: Arkansas Department of Transportation (AR DOT)

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This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.

ARDOT Job No. 030501

Letter to Editor Policy

All letters to the editor must be signed, along with a phone number (that will not be published) provided for confirmation purposes. The Diamond reserves the right to edit letters for length and clarity. Letters must not be libelous or contain any profanities.

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www.latimerfuneralhome.com

PROOF OF PUBLICATION

*In the
Nashville News-Leader
Nashville, AR 71852*

I, Louis F. Graves III, do solemnly swear that I am the co-publisher of the **Nashville New-Leader**, a newspaper published weekly at Nashville, Howard County, Arkansas, and that said newspaper, published in said county, has a bonafide circulation, and that the notice attached hereto was published in said newspaper for 2 consecutive issues as follows:

- 1st Pub April 17, 2019
- 2nd Pub April 24, 2019
- 3rd Pub _____
- 4th Pub _____

Louis F. Graves III

Publisher

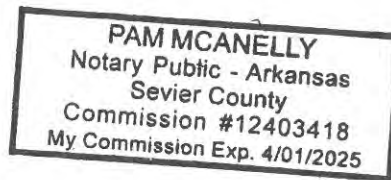
State of Arkansas
County of Howard

Subscribed and sworn to before me this 24 day of April, 2019

Pam McAnelly

Notary Public

My commission expires 4-1-2025
Publication cost _____



serve ham for Easter?

cooked to the correct internal temperature is to use a meat thermometer and check. Cook the ham in an oven set no lower than 325°F.

What about the popular "spiral cut" hams? If you want to reheat them, you should cover the entire ham or portion with heavy duty aluminum foil and heat at 325°F for about 10 minutes per pound. You will need to check the internal temperature with a meat thermometer to assure it reaches 140°F.

If you are interested in learning more about cooking foods safely, contact the Howard County Extension Office at 870-845-7517 or visit our office located

on the second floor of the courthouse. You can also go online to the USDA Food and Nutrition site at www.fsis.usda.gov/wps/portal/fsis/topics/food-safety-education/

JEAN INCE
County Extension Agent-Staff Chair

ect to get one-fourth to one-third pound per
rd to one-half pound per serving. Therefore,
ou can expect to feed about twenty people.
rtion size. You will need to think about how
eat more than a standard serving size. If so,
se the bone later to make a stock or use as a
is over, take the bone and put it in a freezer
zer. Ham bones will last about three months

and cost per serving. The cost per serving
per of servings per pound. You may be able
as a guide.

will need to store it in the coldest part of your
store it in the freezer for up to eight months

ords "fully cooked" or "cook before eating."
to an internal temperature of 160°F. "Cook
ed to an internal temperature of 145°F. Most
d for cooking. So, you will need to allow a
am. The only way to really determine if it is

Here is a traditional glaze for your ham. Of course, you may choose not to use a glaze,
but many people like the taste of this one!

Baked Ham with Brown Sugar Pineapple Glaze

1 cup brown sugar, packed; 1 tbs. cornstarch; 1 tbs. prepared mustard; 1 (15 oz.) can
pineapple slices, drained and juice reserved; 1 (4 oz.) jar maraschino cherries (optional);
6-8 pound fully cooked, bone-in ham

Place ham, fat side up, on a rack in shallow roasting pan. Insert meat thermometer (not
instant read) through the end of the ham so the tip is in the center of the thickest part of
the ham but does not touch the bone or fat.

Roast 12 to 16 minutes per pound in 325°F degree oven or until thermometer reads
160 degrees.

Remove ham from the oven. Pour drippings from roasting pan. Remove any skin from
the ham. Cut top of ham lightly in uniform diamond shapes. Lay pineapple slices and
cherries on top of ham. Drizzle half of the glaze on the ham. Roast uncovered about 20
minutes; add remaining glaze and roast 10 minutes more.

Cover ham with tent of aluminum foil, or roaster lid and let stand 10 minutes before
moving to serving plate and carving.

To make the glaze: In a heavy saucepan, mix brown sugar and cornstarch. Add reserved
pineapple juice and prepared mustard; stir well.

Bring this mixture to a boil and continue to cook until the mixture has boiled for 1
minute.

urch

ansas

Us!

ip 10:15

ip 6:00 p.m.

Dierks Health & Rehab

accepting applications for

MDS Coordinator

Apply in person with Kari Robbins, Administrator

402 S. Arkansas Ave. • Dierks

RN with experience preferred

LPN with experience required

Also hiring LPN for 2 - 10 Shift

OPEN HOUSE

NOTICE OF PUBLIC MEETING



WHAT: Public Involvement Meeting
to discuss the proposed
replacements of the Caddo River
Bridge on Hwy 70 & the Saline
River Bridges on Hwy. 70 & Hwy.
278 in the counties of Sevier, Pike
and Howard.

WHEN: Thursday, May 2, 2019
4:00 p.m. to 7:00 p.m.

WHERE: Glenwood First Baptist Church
(Family Life Center)
904 US-70
Glenwood, AR 71943

Sponsor: Arkansas Department of Transportation (ARDOT)

Special communication or accommodation needs under the Americans with
Disabilities Act (ADA) may contact Ruby Jordan-Johnson at 501-569-2379 or
email environmentalpinetings@ardot.gov. The hearing or speech impaired, may
contact the Arkansas Relay System at (Voice/TTY 711). Requests should be made at
least 4 days prior to the public meeting.

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Transportation Department (Department) complies with all civil rights provisions of
federal statutes and related authorities that prohibit discrimination in programs and
activities receiving federal financial assistance. Therefore, the Department does not
discriminate on the basis of race, sex, color, age, national origin, religion (not
applicable as a protected group under the Federal Motor Carrier Safety
Administration Title VI Program), disability, Limited English Proficiency (LEP), or
low-income status in the admission, access to and treatment in the Department's
programs and activities, as well as the Department's hiring or employment
practices. Complaints of alleged discrimination and inquiries regarding the
Department's nondiscrimination policies may be directed to Joanna P. McFadden
Section Head - EEO/DBE (ADA/504/Title VI Coordinator), P. O. Box 2261, Little
Rock, AR 72203, (501)569- 2298, (Voice/TTY 711), or the following email address:
joanna.mc.fadden@ardot.gov

Free language assistance for Limited English Proficient individuals is available
upon request.

This notice is available from the ADA/504/Title VI Coordinator in large print,
on audiotape and in Braille.

ARDOT Job No. 030501



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OPEN HOUSE PUBLIC MEETING NOTICE

WHAT: Public Meeting to discuss the proposed replacements of the Caddo River Bridge on Hwy. 70 and the Saline River Bridges on Hwy. 70 and Hwy. 278 in the counties of Sevier, Pike and Howard.

WHEN: **Thursday, May 2, 2019**
4:00 p.m. – 7:00 p.m.

WHERE: Glenwood First Baptist Church
(Family Life Center)
904 US-70
Glenwood, AR 71943

.....
The Arkansas Department of Transportation (ARDOT) will conduct a public involvement meeting to present and discuss the proposed replacements of the Caddo River Bridge on Hwy. 70 and the Saline River Bridges on Hwy. 70 and Hwy. 278 in the counties of Sevier, Pike and Howard.

This will be an “open house” meeting with no formal presentations. The public is invited to visit anytime during the scheduled hours to view exhibits, ask questions, and offer comments.

Anyone needing project information or special accommodations under the Americans with Disabilities Act (ADA) is encouraged to contact Ruby Jordan-Johnson at 501-569-2379 or email environmentalpimeetings@ardot.gov. Hearing or speech impaired, please contact the Arkansas Relay System at (Voice/TTY 711). Requests should be made at least four days prior to the public meeting.

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This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.



¡Estás Invitado!

JORNADA DE PUERTAS ABIERTAS AVISO DE REUNIÓN PÚBLICA DE DISEÑAR

QUÉ: Reunión Pública para presentar y discutir las propuestas de reemplazo del Puente del Rio Caddo en la autopista 70 y los Puentes del Rio Saline en la autopista 70 y la autopista 270, en los condados de Sevier, Pike, y Howard.

CUANDO: **Jueves, Mayo 2, 2019**
De 4:00 a 7:00 de la tarde.

DÓNDE: Centro Comunitario Primera Iglesia Bautista de
Glenwood
904 US-70
Glenwood, AR 71943

El Ministerio de Carreteras y el Departamento de Transportación de Arkansas (ARDOT), llevará a cabo una Reunión Pública de Diseño para presentar y discutir las propuestas para reemplazar los puentes números 02082 y 03089 en autopista 70 y puente número 03602 en autopista 270 en los condados de Sevier, Pike, y Howard.

Esta será una audiencia de "Puertas Abiertas" sin presentaciones formales. Se invita al público a visitar en cualquier momento durante las horas programadas y ver las exposiciones, hacer preguntas y ofrecer comentarios.

Las personas con necesidades de comunicación, o en los alojamientos especiales, en virtud de los Americanos con Discapacidades (ADA, por sus siglas en Inglés), pueden ponerse en contacto con Ruby Jordan-Johnson llamando a: Teléfono 501-569-23790 o environmentalpimeetings@ardot.gov. Para solicitar un dispositivo auditivo o del habla, pueden comunicarse con TTY 711. Dichas solicitudes deben hacerse por lo menos con cuatro días de anticipación de a la Reunión pública.

AVISO DE NO DISCRIMINACIÓN: El ARDOT cumple con todas las disposiciones de derechos civiles de los estatutos federales y autoridades relacionadas que prohíben la discriminación en programas y actividades que reciben asistencia financiera federal, por lo tanto, el Departamento no discrimina por razones de raza, sexo, color, edad, origen nacional, religión o discapacidad, en la admisión, acceso a, y el trato en los programas y las actividades del Departamento, así como la contratación del Departamento o prácticas de empleo. Cualquier denuncias de presunta discriminación y consultas acerca las políticas del Departamento de Discriminación, pueden ser dirigidas a Joanna P. McFadden, Jefa de la Sección - EEO / DBE (ADA/504/Título VI Coordinador), PO Box 2261, Little Rock, AR 72203, 501 -569-2298, (Voz / TTY 711), o la dirección de correo electrónico: joanna.mcfadden@ardot.gov.

Este aviso está disponible en ADA/504/Título Coordinador VI en letra grande, cinta de audio, y en Braille.

Trabajo Número del trabajo de ARDOT. 030501

ARKANSAS DEPARTMENT OF TRANSPORTATION (ARDOT)

CITIZEN COMMENT FORM

STUDY:
ARDOT JOB NUMBER
030501
SALINE & CADDO
RIVERS STRS. & APPRS. (S)

WHEN:
4:00 – 7:00 P.M. THURSDAY,
MAY 2, 2019

WHERE:
GLENWOOD FIRST BAPTIST
CHURCH
904 US HWY. 70
GLENWOOD, AR

PROJECT DESCRIPTION: The Arkansas Department of Transportation (ARDOT) is planning to replace the Caddo River Bridge on Hwy. 70 and the Saline River Bridges on Hwy. 70 and Hwy. 278. The project will address the structurally deficient existing bridges that serve as arterial routes across the Saline and Caddo Rivers.

Individual citizens or community groups and organizations are encouraged to submit written comments regarding the project. Please provide your comments on this form and leave it with ARDOT or Consultant personnel or mail it within 15 days to: ARDOT Transportation Planning & Policy Division, P.O. Box 2261, Little Rock AR 72203-9893. Alternately, send the form via e-mail to environmentalpimeetings@ardot.gov.

Yes **No**

Do you use the Hwy. 70 or 278 bridges regularly? If so, please describe the general areas of your origins and destinations. If not, what route do you typically use? _____

In what general region of the corridor do you live? (Circle One)

Site 1	Hwy. 70 Saline River (4.5 miles east of Dierks)
Site 2	Hwy. 70 Caddo River (Glenwood) / Hwy. 8
Site 3	Hwy. 278 Saline River (8 miles north of Dierks)

Site 1: Hwy. 70 Saline River (East of Dierks)

Yes

No

Do you feel there is a need for a new Bridge on Saline River, on Hwy. 70 over the Saline River? _____

Do you feel that design presented would have any impacts? (Beneficial or Adverse) on your property and/or community (either economically, socially, or environmentally, etc.)? Please explain. _____

Do you know of any historical sites, family cemeteries, or archaeological sites in the proposed area? Please note and discuss with staff. _____

Do you know of any environmental constraints, such as endangered species, hazardous waste sites, existing or former landfills, or parks and public lands in the vicinity of the project? Please note and discuss with staff. _____

Does your home or property offer any limitations to the project, such as septic systems, that need to be considered in the design?

Do you have a suggestion that would make this proposed project better serve the needs of the community? _____

Site 2: Hwy. 70 Caddo River (Glenwood) / Hwy 8

Yes

No

Do you feel there is a need for a new bridge on Hwy. 70 over the Caddo River? _____

Do you feel that design presented would have any impacts? (Beneficial or Adverse) on your property and/or community (either economically, socially, or environmentally, etc.)? Please explain. _____

Do you know of any historical sites, family cemeteries, or archaeological sites in the proposed area? Please note and discuss with staff. _____

Do you know of any environmental constraints, such as endangered species, hazardous waste sites, existing or former landfills, or parks and public lands in the vicinity of the project? Please note and discuss with staff. _____

Does your home or property offer any limitations to the project, such as septic systems, that need to be considered in the design?

Do you have a suggestion that would make this proposed project better serve the needs of the community? _____

Site 3: Hwy. 278 Saline River (8 mi. north of Dierks)

Yes

No

Do you feel there is a need for a new bridge on Hwy. 278 over the Saline River? _____

Do you feel that design presented would have any impacts?

(Beneficial or Adverse) on your property and/or community (either economically, socially, or environmentally, etc.)? Please explain. _____

Do you know of any historical sites, family cemeteries, or archaeological sites in the proposed area? Please note and discuss with staff. _____

Do you know of any environmental constraints, such as endangered species, hazardous waste sites, existing or former landfills, or parks and public lands in the vicinity of the project? Please note and discuss with staff. _____

Does your home or property offer any limitations to the project, such as septic systems, that need to be considered in the design?

Do you have a suggestion that would make this proposed project better serve the needs of the community? _____

(Continued)

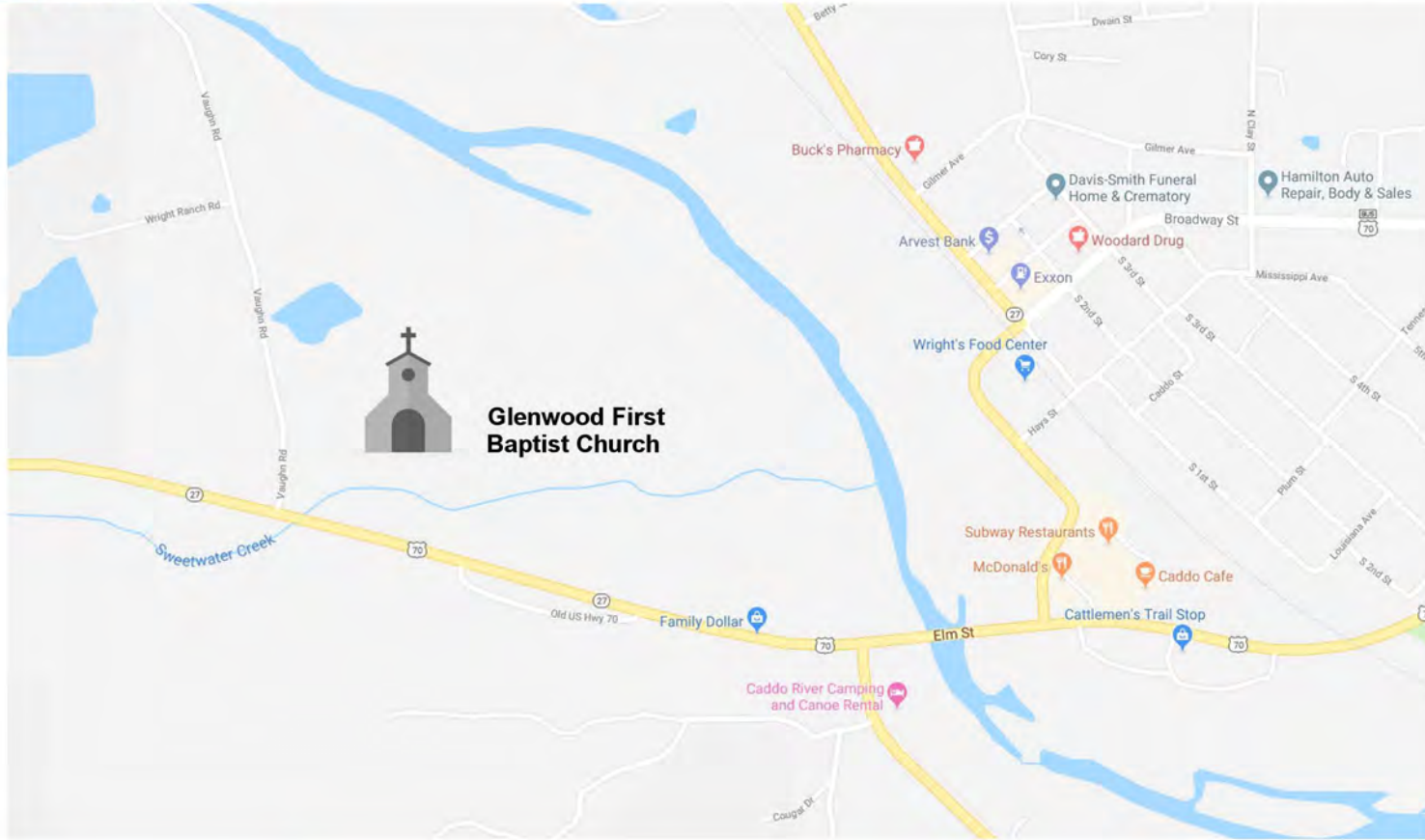
It is often necessary for the City or ARDOT to contact property owners along potential routes. If you are a property owner along or adjacent to the route under consideration, please provide information below. Thank you.

Name (*Please Print*): _____

Address: _____ Phone: (____) _____--_____

E-mail: _____

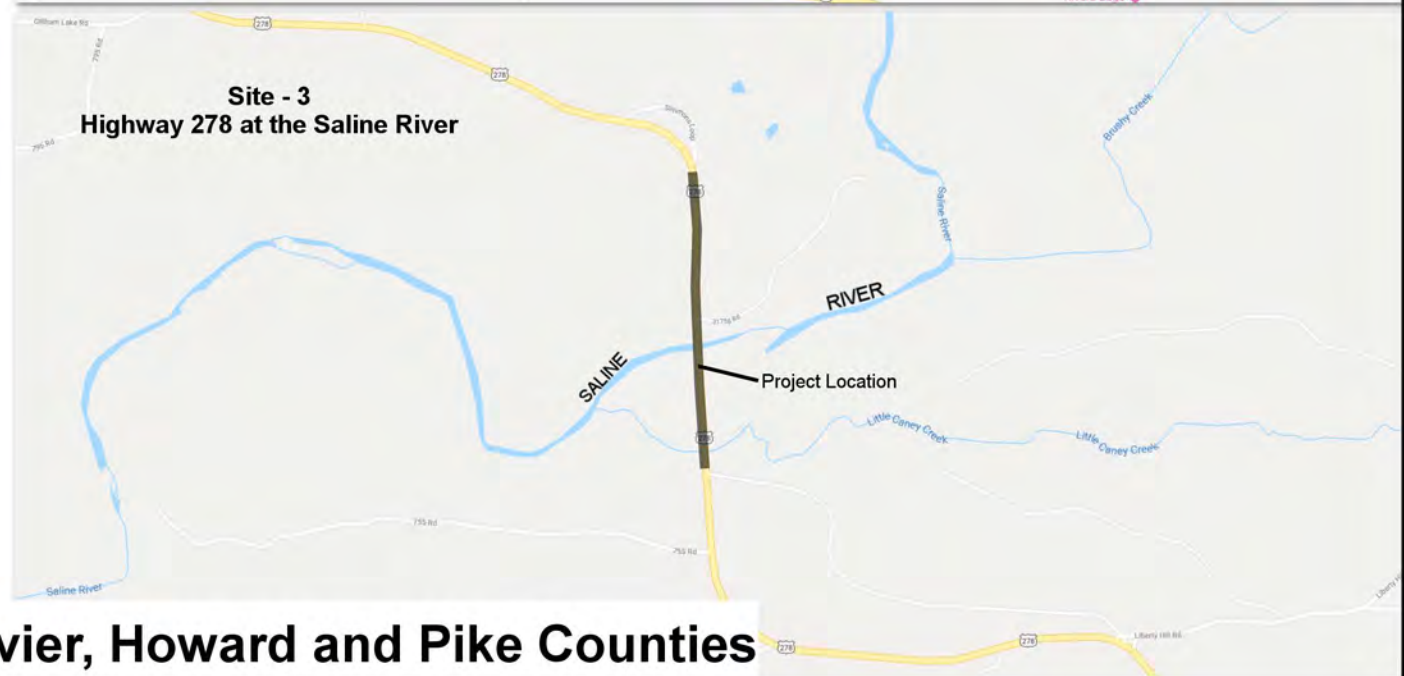
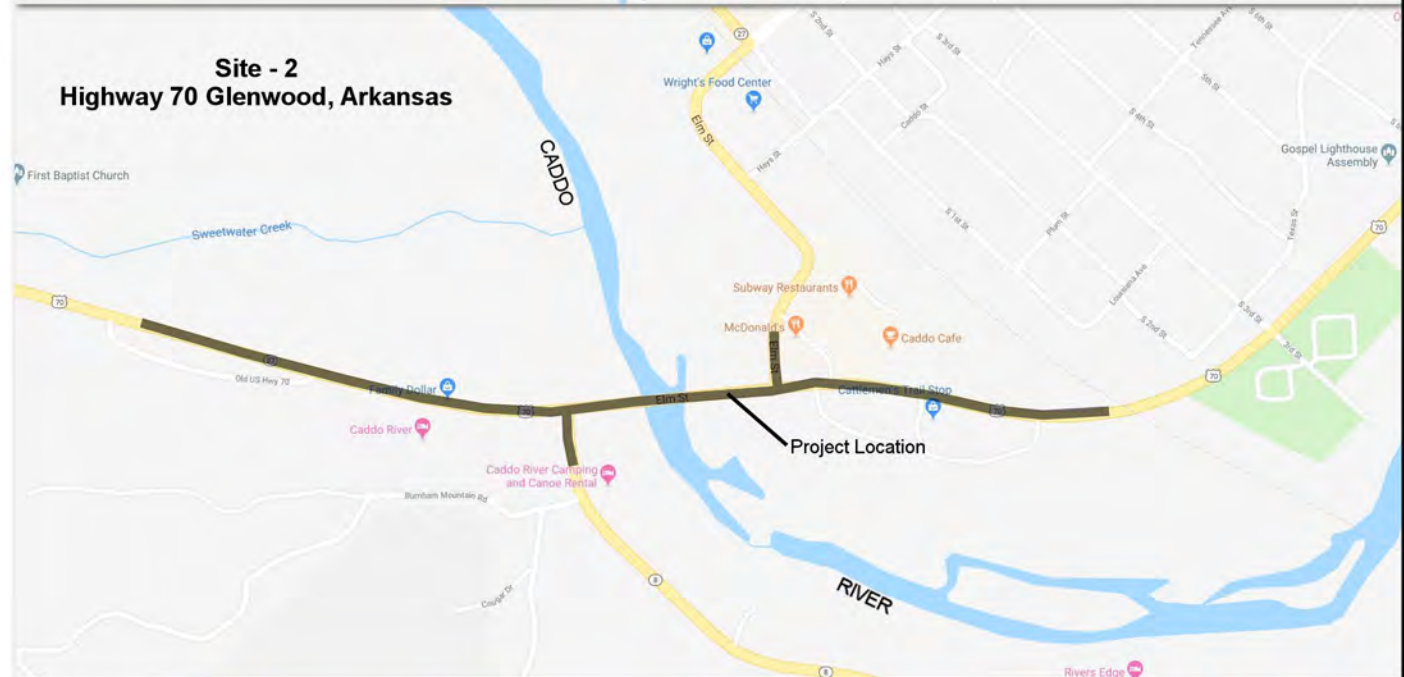
Please make additional comments here. _____

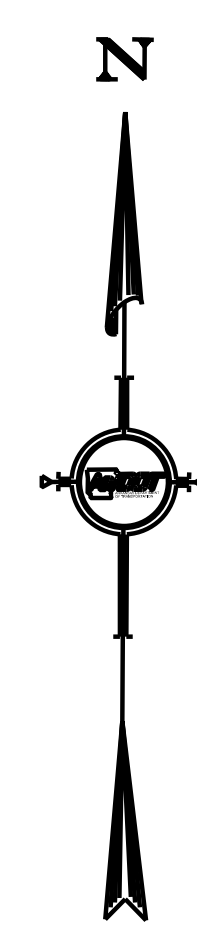


Glenwood First Baptist Church
904 US-70
Glenwood, AR 71943



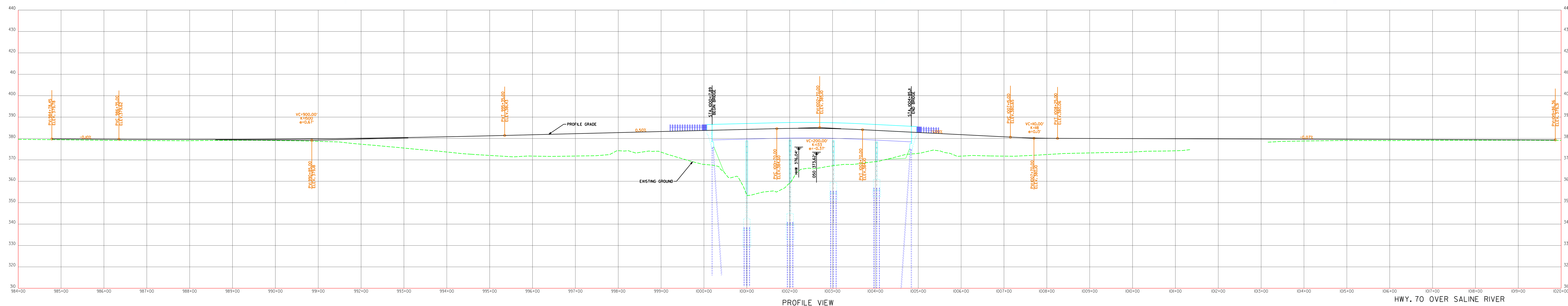
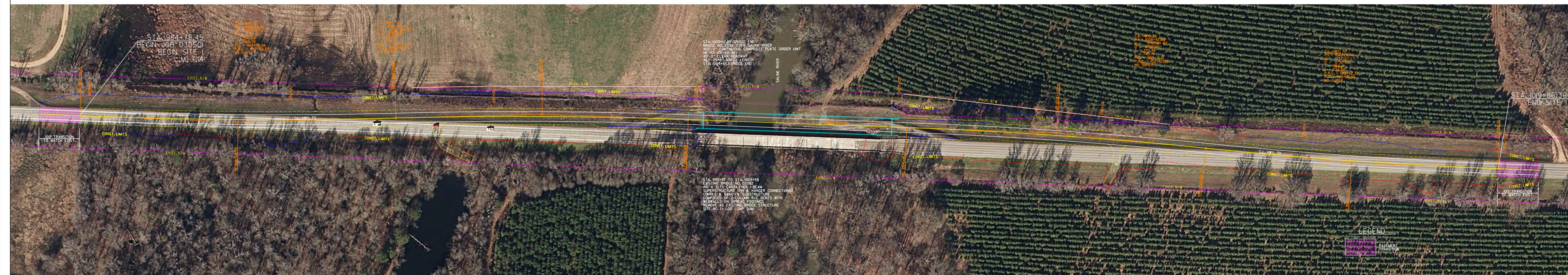
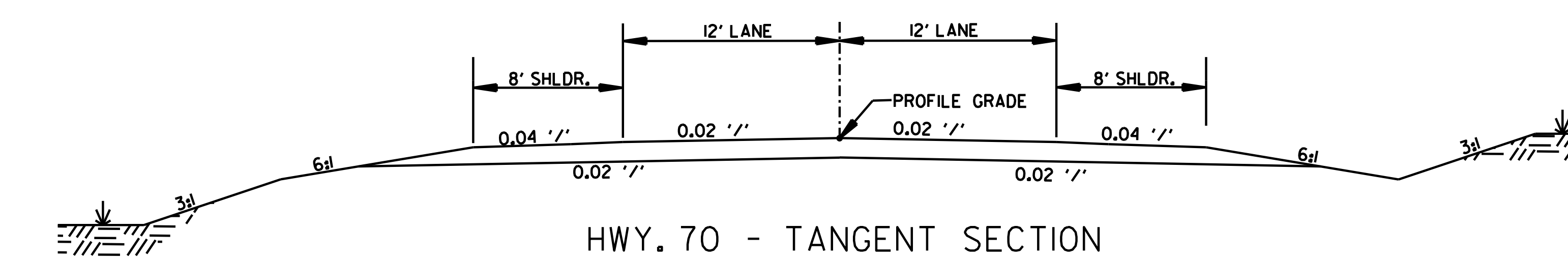
Google Earth
© 2015 Google
© 2017 Google

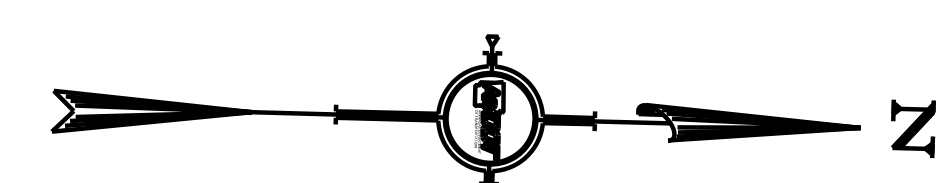




SALINE & CADDO RIVERS STRS. & APPRS. (S)
 ROUTE 70 SECTIONS 2 & 5
 AND ROUTE 278 SECTION 2
 FED. AID PROJ. NHPP-0076(152)
 JOB 030501 - SITE 1

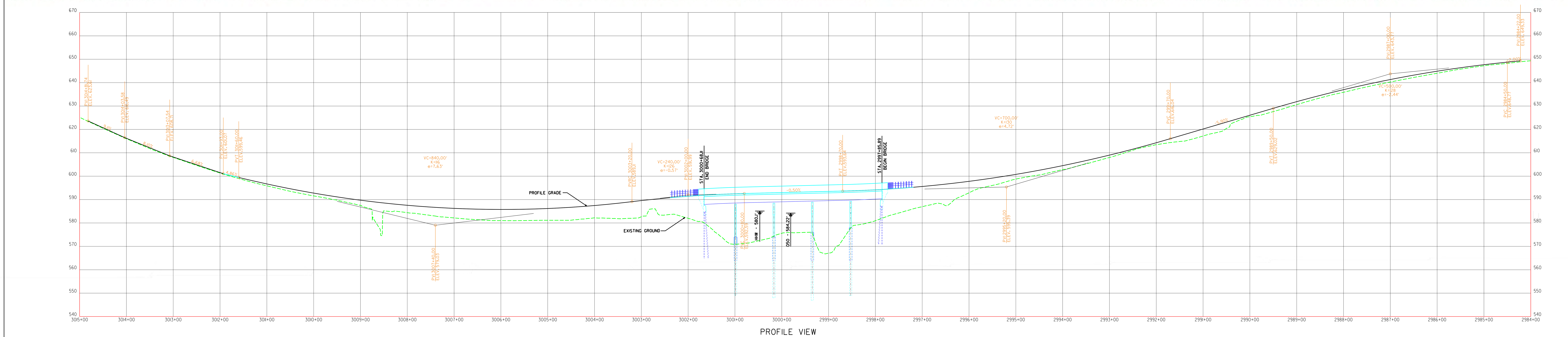
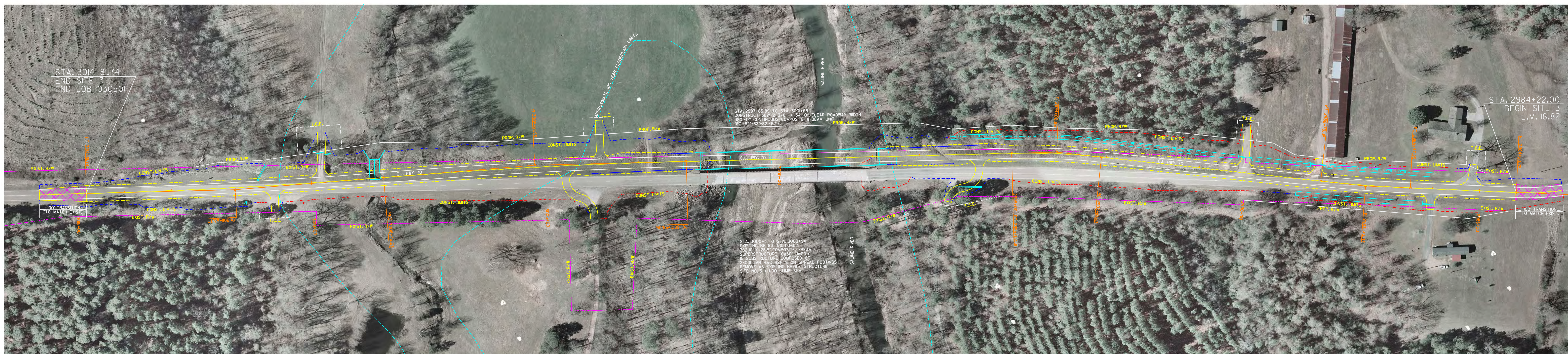
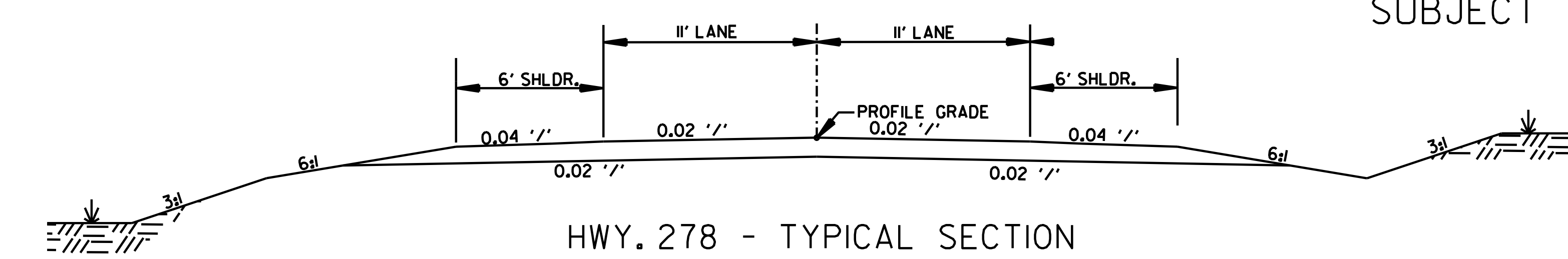
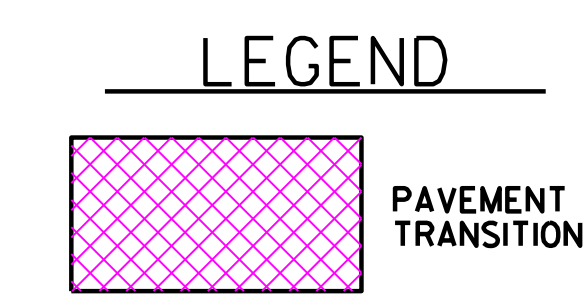
SCALE: 1"=50'





SCALE: 1"=50'

SALINE & CADDO RIVERS STRS. & APPRS. (S)
ROUTE 70 SECTIONS 2 & 5
AND ROUTE 278 SECTION 2
FED. AID PROJ. NHPP-0076(152)
JOB 030501 - SITE 3



PUBLIC MEETING REGISTER

Date: May 2, 2019

Meeting Held At: Glenwood First Baptist Church

ARDOT Job No: 030501

Job Name: Saline & Caddo Rivers Strs. & Apprs. (S)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
1. MARY PEARSON			ARDOT	
2. KATE ZENO			ARDOT	
3. Crystal Robinson			ARDOT	
4. JASON EFIRD			ARDOT	
5. William Cheatham			" "	
6. Lisa Wright	487 Hwy 8 East	Glenwood, AR 71943	Self	Newspaper
7. Manon Orboach	"	"	"	"
8. Rex Lawrence	P.O. #32 Glenwood, Ark	Glenwood, Ark ⁷¹⁹⁴³	Self	Newspaper
9. Randy Tidwell	905 Hwy 70W	Glenwood, AR	SELF	TALK ON STREETS
10. Ryan Tidwell	379 HWY 70W	Glenwood, AR	SELF	
11. Norma Lowery	803 Hwy 70W	Glenwood	Self	Internet Flyer on door
12. Bill + Donna West	P.O. 36 1296 Mt View	Glenwood	Self	church
13. HARDIE KETUOLDS, JR	PO Box 98	Glenwood	self	newspaper
14. Colby Wells	371 Hwy 70	Glenwood	South Central Electric + Connect	Randy Tidwell
15. Jim				
16. Rosemary Blackmon	PO Box 122	Glenwood	Self	Facebook
17. Jim Merphew	301 Dolber Rd	Glenwood	Self	
18. GINNY DAVIS	9 ROSE LN.	KIRBY AR	SELF	FBC NEWS
19. Jo COX	164 Watson Loop	Dierks, AR 71833	self	Nashville, Newspaper
20. Jr. COX	"	"	"	"

PUBLIC MEETING REGISTER

Date: May 2, 2019

Meeting Held At: Glenwood First Baptist Church

ARDOT Job No: 030501

Job Name: Saline & Caddo Rivers Strs. & Apprs. (S)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
21. <u>BRYNDY GREGG</u>	<u>403 HWY 70W</u>	<u>GLENWOOD AR</u>		<u>FLYER</u>
22. <u>MR. & MRS MORROW</u>	<u>14826 Hwy 278W</u>	<u>STARKS, AR</u>	<u>N/A</u>	<u>FLYER</u>
23. <u>Scott Thornsbury</u>			<u>MBI</u>	
24. <u>Landon Miller</u>			<u>MBI</u>	
25. <u>Justin Carney</u>			<u>MBI</u>	
26. <u>Kate Lybrand</u>			<u>MBI</u>	
27. <u>David Navarez</u>			<u>MBI</u>	
28. <u>T.J. Holliday</u>			<u>MBI</u>	
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PUBLIC MEETING REGISTER

Date: May 2, 2019

Meeting Held At: Glenwood First Baptist Church

ARDOT Job No: 030501

Job Name: Saline & Caddo Rivers Strs. & Apprs. (S)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
181. Roger Hann	606 Hwy 70 West	Glenwood 71943	Self	
182. Ethan Blackmon	17 Hays St	Glenwood 71943	Blackmon Oil	Newspaper
183. Elliot "	"	"	"	"
184. David "	"	"	"	"
185. Hughes Williams	913 Snodder	Glenwood		
186. John R. Powell	118 BAKER ROAD	GLENDWOOD 71943	CITY COUNCIL	"
187. Paula Claborn	26 Hwy 8 E	Glenwood 71943	Self/Caddo River	
188. Joel Claborn	26 Hwy 8 E	Glenwood	CRCCP	
189.				
190. Eric Mitchell	1720 N. 1 st St.	Glenwood 71943	Self	
191. LARRY Mitchell	1720 N. 1 st St	Glenwood, AR 71943	Self	
192. Basil Parker	1156 Hwy. 84 W	Glenwood 71943	Self	
193. Tom Wright	55 Hwy 70 East	Glenwood, AR		
194. Mick Parker	PO BOX 5	Glenwood, AR.	Self	"
195. John Benjamin	PO Box 1920	Glenwood AR	Self	
196. Madison Krebs	PO Box 2397	Glenwood, AR	Self	"
197. Tyler Sena	Hay Rd	Glenwood, AR	Self	"
198.	PO Box 141	Arkh		
199. Dan Brown	PO Box 308	Glenwood AR	Self	Flyer
200. Joel Meis	"	"	"	

Public Officials

PUBLIC MEETING REGISTER

Meeting Held At: First Baptist Church - Glenwood
Job Name: Saline & Caddo Rivers Strs. & Apprs.

Job No: 030501
Date: May 2, 2019

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
1. <i>BILLY T. SMITH</i>	<i>210 N. 2nd</i>	<i>Glenwood Ar ⁷¹⁹⁴³</i>	<i>CITY/MAYOR</i>	<i>E-MAIL</i>
2. <i>Dewight MACK</i>	<i>481 MACK Mountain Rd.</i>	<i>Kirby 71950</i>	<i>Pike County Judge</i>	<i>E-MAIL</i>
3. <i>Greg Ray</i>	<i>115 North 3rd St.</i>	<i>DeQueen 71832</i>	<i>Sevier Co. judge</i>	<i>E-mail</i>
4. <i>Kerin Smith</i>	<i>421 N. Main</i>	<i>Mashville, 71852</i>	<i>Howard " "</i>	<i>" "</i>
5. <i>MARY PEARSON</i>			<i>1</i>	
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**ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST
FOR CONSIDERATION OF POTENTIAL IMPACTS**

ARDOT Job Number 030501 FAP Number NHPP-0076(152)
Job Title Saline & Caddo Rivers Strs. & Apprs. (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No MSAT impacts anticipated
Cultural Resources	X			SHPO clearance rcvd; "no effect to historic properties"
Economic	X			No adverse impacts
Endangered Species	X			USFW concurrence rcvd; "may affect, not likely to adversely affect"
Environmental Justice/Title VI	X			No adverse impacts to EJ populations
Fish and Wildlife		X		Minimal fish disturbance during construction
Floodplains	X			Floodplain SP required
Forest Service Property	X			None in the project area
Hazardous Materials/Landfills	X			None identified in project area
Land Use		X		2.75 new ROW
Migratory Birds	X			No nests on structures
Navigation/Coast Guard	X			Bridge has contacted USCG
Noise Levels	X			No impacts identified
Prime Farmland		X		Total of 1.78 acres of Prime Farmland
Protected Waters	X			None in the project area
Public Recreation Lands	X			None in project footprint
Public Water Supply/WHPA		X		Wellhead Protection SP required
Relocatees	X			No relocations required
Section 4(f)/6(f)	X			No 4(f) / 6(f) resources in project footprint
Social	X			No adverse social impacts identified
Underground Storage Tanks	X			None located in project footprint
Visual	X			No adverse visual quality impacts
Streams		X		Total of 79 LF impacted; mitigation bank required
Water Quality		X		Minor and temporary impacts during construction
Wetlands		X		1 acre of permanent impact to emergent wetlands at Hwy. 70 Saline River site
Wildlife Refuges	X			None in the project area

Section 401 Water Quality Certification Required? Y
 Short-term Activity Authorization Required? Y
 Section 404 Permit Required? Y Type NWP 14 & NWP 23

Remarks: _____

Signature of Evaluator  Date June 18, 2019

ROADWAY DESIGN REQUEST

Job Number 030501 FAP No. NHPP-0076(152) County Sevier, Howard, & Pike

Job Name Saline & Caddo Rivers Strs. & Apprs. (S)

Design Engineer Michael Baker Environmental Staff _____

Brief Project Description Replace 3 bridges (#) shown below refer to site number

A. Existing Conditions:

Roadway Width:	(1) 32'	Shoulder	(1) 6'/Paved
	(2) 40'	Type/Width:	(2) 8'/Paved
	<u>(3) 28'</u>		<u>(3) 4'/Unpaved</u>

Number of Lanes and Width:	(1&2) 2@12'	Existing Right-of-Way:	(1) 180'-210'
	(3) 2@10'		(2) 120'-375'
	_____		<u>(3) 80'-150'</u>

Sidewalks? No Location: _____ Width: _____

Bike Lanes? No Location: _____ Width: _____

B. Proposed Conditions:

Roadway Width:	(1) 40'	Shoulder Type/Width:	(1) 8' Paved
	(2) 36'		(2) C & G
	<u>(3) 30'</u>		<u>(3) 4' (2' Paved)</u>

Number of Lanes and Width:	(1) 2@12'	Proposed Right-of-Way:	(1) 180'-210'
	(2) 3@12'		(2) 120'-375'
	<u>(3) 2@11'</u>		<u>(3) 98'-209'</u>

Sidewalks? Yes Location: Site 2 Lt. & Rt. Width: 5'

Bike Lanes? No Location: _____ Width: _____

C. Construction Information:

If detour: Where: N/A Length: _____

D. Design Traffic Data:

<u>2020</u> ADT:	(1) 3300	<u>2040</u> ADT:	(1) 3900	% Trucks:	(1) 19%
	(2) 8700		(2) 9600		(2) 13%
	(3) 870		<u>(3) 950</u>		<u>(3) 10%</u>
	<u>(1&3) 55</u>				
Design Speed:	<u>(2) 45</u> m.p.h.				

E. Approximate total length of project: 1.76 mile(s)

F. Justification for proposed improvements: Existing bridges are structurally deficient

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

BRIDGE DESIGN INFORMATIONJob Number 030501 FAP Number NHPP-0076(152) County Sevier & HowardJob Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 02082Design Engineer Michael Baker International**Description of Existing Bridge:**Bridge Number 02082 over SalineBridge Location: Rte: 70 Section: 2 Log Mile: 7.45Length: 460 ft. Br. Rdwy. width: 24 ft. Deck width (Out-to-Out) 26 ft.

Type Construction: _____

Deficiencies Section loss on beams and hangers; spalls with rebar exposed; missing bolts; heavy rust damage.HBRRP Eligibility: No Qualifying Code: N/A Sufficiency Rating: 1**Proposed Improvements:**Length: 467'-2^{5/8}" ft. Br. Rdwy. Width: 24 ft.Deck Width (Out-to-out) 43'-2" ftTravel Lanes: Two lanes, 12 ft each Shoulder Width: 8 ftSidewalks: N/A Location: N/A Width: N/A**Construction Information**Location in relation to existing bridge: Approximately 12 ft. north of existing bridgeSuperstructure Type: Continuous Composite Plate GirderSpan Lengths: 81'-101'-101'-101'-81'Substructure Type: PilesOrdinary High Water Elev. 364.5 No. of Bents inside OHW Contours: 2Concrete Volume below OHW: 2333 yd³ Vol. Bent Excavation: 478.96 yd³Is backfill req'd? YesIs Channel excavation req'd? NoSurface Area: 0 ft² Volume: 0 yd³Is fill below OHW req'd? No Surface Area: ft² Volume: yd³Is riprap req'd? -Yes**Work Road Information:**Is work road(s) required? YesLocation: STA 1000+80; 1002+20; 1001+00Top width: 25 ftIs fill below OHW req'd? YesSurface Area: 14500 ft²Volume 2333 yd³Are pipes required to meet backwater criteria? No**Detour Information:**Is a detour bridge required? No Location in relation to existing bridge: N/ALength: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/AVolume of fill below OHW: N/A yd³ Surface area: N/A ft²

DESIGN INFORMATIONJob Number 030501 FAP Number NHPP-0076(152) County PikeJob Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 03089Design Engineer Michael Baker International

Brief Project Description Reconstruct and realign the bridge, approaches, and side streets at Bridge Number 03089 over the Caddo River on Highway 70. The improvements would also include the addition of 6-foot sidewalks along the northern and southern sides of the travel lanes.

EXISTING CONDITIONS:Roadway Width: 24 ft Shoulder Width: 7ft-10ftNumber of Lanes and Width: Two lanes; 12 ft eachAverage Existing ROW Width 120 ft-200 ftPROPOSED CONDITIONS:Roadway Width: 36 ft Shoulder Width: N/A (Curb & Gutter)Number of Lanes and Width: Three lanes, 12ft eachAverage ROW Width 100ft-200 ftCONSTRUCTION INFORMATION:If detour: Where N/A Length N/ADESIGN DATA:2020 ADT 8,700 2040 ADT 9,600 %Trucks 13 Design Speed 45 mphApproximate total length of project: 0.6 mile(s)Justification for improvements: Improve safety for motorists and pedestrians

BRIDGE DESIGN INFORMATIONJob Number 030501 FAP Number NHPP-0076(152) County PikeJob Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 03089Design Engineer Michael Baker International**Description of Existing Bridge:**Bridge Number 03089 over CaddoBridge Location: Rte: 70 Section: 5 Log Mile: 8.78Length: 585 ft. Br. Rdwy. width: 24 ft. Deck width (Out-to-Out) 28 ft.

Type Construction: _____

Deficiencies Cracks on bents and beams; anchor bolts deteriorated; spalls on concrete columns with rebars exposed; salt damage w/ rebar exposed on various sections; bottom side of deck spalling w/ rebar exposed; drainage issues.HBRRP Eligibility: No Qualifying Code: N/A Sufficiency Rating: 1**Proposed Improvements:**Length: 603'-4" Br. Rdwy. Width: 36 ft.Deck Width (Out-to-out) 54'-2"Travel Lanes: Three lanes, 12 ft each Shoulder Width: 1 ftSidewalks: Yes Location: North & South of lanes Width: 6'-6"**Construction Information**Location in relation to existing bridge: Immediately south of the existing bridgeSuperstructure Type: Continuous Composite Plate GirderSpan Lengths: 105'-130'-130'-130'-105'Substructure Type: Drilled ShaftsOrdinary High Water Elev. 524 No. of Bents inside OHW Contours: 2Concrete Volume below OHW: 2920 yd³ Vol. Bent Excavation: 0 yd³Is backfill req'd? NoIs Channel excavation req'd? No Surface Area: ft² Volume: yd³Is fill below OHW req'd? No Surface Area: ft² Volume: yd³Is riprap req'd? Yes**Work Road Information:**

Is work road(s) required? _____

Location: STA 2002+00; 2003+90; 2002+50; 2003+90 Top width: 25 ftIs fill below OHW req'd? Yes Surface Area: 28888 ft² Volume 2920 yd³Are pipes required to meet backwater criteria? No**Detour Information:**Is a detour bridge required? No Location in relation to existing bridge: N/ALength: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/AVolume of fill below OHW: N/A yd³ Surface area: N/A ft²

DESIGN INFORMATIONJob Number 030501 FAP Number NHPP-0076(152) County HowardJob Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 03602Design Engineer Michael Baker International

Brief Project Description Reconstruct and realign the bridge, approaches, and driveways at Bridge Number 03602 over the Saline River on Highway 278. The improvements would also include the addition of 6 to 12-foot wide shoulders along the reconstructed travel lanes.

EXISTING CONDITIONS:Roadway Width: 20 ft Shoulder Width: 2 ftNumber of Lanes and Width: Two lanes; 10 ft eachAverage Existing ROW Width 100 ft-150 ftPROPOSED CONDITIONS:Roadway Width: 22 ft Shoulder Width: 6' (2' Paved)Number of Lanes and Width: Two lanes, 11ft eachAverage ROW Width 100ft-200 ftCONSTRUCTION INFORMATION:If detour: Where N/A Length N/ADESIGN DATA:2020 ADT 870 2040 ADT 950 %Trucks 10 Design Speed 55 mphApproximate total length of project: 0.6 mile(s)Justification for improvements: Improve safety and mobility for motorists

BRIDGE DESIGN INFORMATIONJob Number 030501 FAP Number NHPP-0076(152) County HowardJob Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 03602Design Engineer Michael Baker International**Description of Existing Bridge:**Bridge Number 03602 over SalineBridge Location: Rte: 278 Section: 2 Log Mile: 19.09Length: 585 ft. Br. Rdwy. width: 24 ft. Deck width (Out-to-Out) 28 ft.

Type Construction: _____

Deficiencies Spalls w/ rebar exposed on bottom of concrete deck, cap haunch, and bentsHBRRP Eligibility: No Qualifying Code: N/A Sufficiency Rating: 1**Proposed Improvements:**Length: 382'-2 1/2" ft. Br. Rdwy. Width: 22 ft.Deck Width (Out-to-out) 37'-2"Travel Lanes: Two lanes, 11 ft each Shoulder Width: 6 ftSidewalks: NO Location: _____ Width: _____**Construction Information**Location in relation to existing bridge: Approximately 10 feet west of existing bridgeSuperstructure Type: Continuous composite W-BeamSpan Lengths: 67'-82'-82'-82'-67'Substructure Type: Drilled shaftsOrdinary High Water Elev. 575 No. of Bents inside OHW Contours: 3Concrete Volume below OHW: 1108 yd³ Vol. Bent Excavation: 0 yd³Is backfill req'd? NoIs Channel excavation req'd? No Surface Area: 0 ft² Volume: 0 yd³Is fill below OHW req'd? No Surface Area: 0 ft² Volume: 0 yd³Is riprap req'd? Yes**Work Road Information:**Is work road(s) required? Yes Location: 2999+50;02998+40Top width: 25 ftIs fill below OHW req'd? Yes Surface Area: 14011 ft²Volume 1108 yd³Are pipes required to meet backwater criteria? No**Detour Information:**Is a detour bridge required? No Location in relation to existing bridge: N/ALength: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/AVolume of fill below OHW: N/A yd³ Surface area: N/A ft²