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.

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

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.
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.aedq.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.aedq.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,

[Signature]

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.

<table>
<thead>
<tr>
<th>Bridge ID</th>
<th>Assessment Areas</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>03602</td>
<td>Dierks Waterworks</td>
<td>None</td>
</tr>
<tr>
<td>03089</td>
<td>Glenwood Water Department, Amity Waterworks</td>
<td>Glenwood Water Department</td>
</tr>
<tr>
<td>02082</td>
<td>Dierks Waterworks, DeQueen Waterworks</td>
<td>Dierks Waterworks</td>
</tr>
</tbody>
</table>

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
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 powelli*), 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 *Psychobranchus 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\ilewis\Documents\PROJECTS\FY2019\ARDOT\Job Number 030501\Comments ArDOT Job Number 030501.docx
In Reply Refer To:  
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 website 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](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](http://www.fws.gov/arkansas-es/IPaC/Karst.html) to determine if your project occurs in the karst region and to view karst specific-guidance. Proper implementation and maintenance of best management practices specified in these guidance documents is necessary to avoid adverse effects to federally protected species and often avoids the more lengthy formal consultation process.

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

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

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

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

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

Attachment(s):

- Official Species List
Official Species List

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

This species list is provided by:

Arkansas Ecological Services Field Office
110 South Amity Suite 300
Conway, AR 72032-8975
(501) 513-4470
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 Fisheries, 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

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Long-eared Bat <em>Myotis septentrionalis</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a></td>
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### Clams

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Ouachita Rock Pocketbook <em>Arkansia wheeleri</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
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<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>Pink Mucket (pearlymussel) <em>Lampsilis abrupta</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
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</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a></td>
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<thead>
<tr>
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<th>STATUS</th>
</tr>
</thead>
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<tr>
<td>Rabbitsfoot <em>Quadrula cylindrica cylindrica</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>There is final critical habitat for this species. Your location is outside the critical habitat.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a></td>
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<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scaleshell Mussel <em>Leptodea leptodon</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/5881">https://ecos.fws.gov/ecp/species/5881</a></td>
<td></td>
</tr>
</tbody>
</table>
Critical habitats

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

April 30, 2019
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](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
In Reply Refer To:  
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/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-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 Fisheries, 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**

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Long-eared Bat <em>Myotis septentrionalis</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a></td>
<td></td>
</tr>
</tbody>
</table>

**Clams**

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arkansas Fatmucket <em>Lampsilis powellii</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/2213">https://ecos.fws.gov/ecp/species/2213</a></td>
<td></td>
</tr>
<tr>
<td>Ouachita Rock Pocketbook <em>Arkansia wheeleri</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/4509">https://ecos.fws.gov/ecp/species/4509</a></td>
<td></td>
</tr>
<tr>
<td>Rabbitsfoot <em>Quadrula cylindrica cylindrica</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>There is final critical habitat for this species. Your location is outside the critical habitat.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a></td>
<td></td>
</tr>
<tr>
<td>Spectaclecase (mussel) <em>Cumberlandia monodonta</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/7867">https://ecos.fws.gov/ecp/species/7867</a></td>
<td></td>
</tr>
</tbody>
</table>
Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE’S JURISDICTION.
In Reply Refer To: 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"[11] 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
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 website 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](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](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 Burrowing Beetle, your project may require a presence/absence and/or habitat survey prior to commencing project activities. Please check the appropriate species-specific guidance on our website to determine if your project requires a survey. We strongly recommend that you contact the appropriate staff species lead biologist (see office directory or species page) prior to conducting presence/absence surveys to ensure the appropriate level of effort and methodology.

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

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

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

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

Attachment(s):

- Official Species List
Official Species List

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

This species list is provided by:

Arkansas Ecological Services Field Office
110 South Amity Suite 300
Conway, AR 72032-8975
(501) 513-4470
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 Fisheries, 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

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Long-eared Bat <em>Myotis septentrionalis</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a></td>
<td></td>
</tr>
</tbody>
</table>

Clams

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ouachita Rock Pocketbook <em>Arkansia wheeleri</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/4509">https://ecos.fws.gov/ecp/species/4509</a></td>
<td></td>
</tr>
<tr>
<td>Pink Mucket (pearlymussel) <em>Lampsilis abrupta</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a></td>
<td></td>
</tr>
<tr>
<td>Rabbitsfoot <em>Quadrula cylindrica cylindrica</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>There is final critical habitat for this species. Your location is outside the critical habitat.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a></td>
<td></td>
</tr>
<tr>
<td>Scaleshell Mussel <em>Leptodea leptodon</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile: <a href="https://ecos.fws.gov/ecp/species/5881">https://ecos.fws.gov/ecp/species/5881</a></td>
<td></td>
</tr>
</tbody>
</table>
**Critical habitats**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.
In Reply Refer To: 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 (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) - 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](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
Date: March 11, 2019
Subject: Project Review

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

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
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.
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:

- Saline River, Highway 278 bridge, Howard County
  - *Ptychobranchus 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
  - *Ptychobranchus occidentalis*, Ouachita Kidneyshell – State Concern
  - *Vernonia lettermannii*, Letterman's ironweed – State Concern
- Caddo River, Highway 70 bridge, Pike County
  - *Cyprugenia sp. cf. aberli*, Ouachita Fanshell – State Concern
  - *Etheostoma clintoni*, beaded darter – State Concern
  - *Noturus taylori*, Caddo madtom – State Concern
  - *Ptychobranchus 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
January 9, 2019

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

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.
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)

<table>
<thead>
<tr>
<th>1. Name of Project</th>
<th>3. Date of Land Evaluation Request</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2. Type of Project</th>
<th>4. Federal Agency Involved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge replacement</td>
<td>NA</td>
</tr>
</tbody>
</table>

### PART II (To be completed by NRCS)

<table>
<thead>
<tr>
<th>1. Date Request Received by NRCS</th>
<th>2. Person Completing Form</th>
<th>3. Does the corridor contain prime, unique statewide or local important farmland?</th>
<th>4. Acres Irrigated</th>
<th>5. Major Crop(s)</th>
<th>6. Farmable Land in Government Jurisdiction</th>
<th>7. Amount of Farmland As Defined in FPPA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acres: %</td>
<td>Acres: %</td>
</tr>
</tbody>
</table>

### PART III (To be completed by Federal Agency)

<table>
<thead>
<tr>
<th>A. Total Acres To Be Converted Directly</th>
<th>0.328</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Total Acres To Be Converted Indirectly, Or To Receive Services</td>
<td>0</td>
</tr>
<tr>
<td>C. Total Acres In Corridor</td>
<td>0.328</td>
</tr>
</tbody>
</table>

### PART IV (To be completed by NRCS) Land Evaluation Information

| A. Total Acres Prime And Unique Farmland | 0     |
| B. Total Acres Statewide And Local Important Farmland | 0     |
| C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted | 0     |
| D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value | 0     |

### 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)

| 1. Area in Nonurban Use | 15 |
| 2. Perimeter in Nonurban Use | 10 |
| 3. Percent Of Corridor Being Farmed | 20 |
| 4. Protection Provided By State And Local Government | 20 |
| 5. Size of Present Farm Unit Compared To Average | 10 |
| 6. Creation Of Nonfarmable Farmland | 25 |
| 7. Availability Of Farm Support Services | 5 |
| 8. On-Farm Investments | 20 |
| 9. Effects Of Conversion On Farm Support Services | 25 |
| 10. Compatibility With Existing Agricultural Use | 10 |

**PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))**

<table>
<thead>
<tr>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Points</td>
</tr>
<tr>
<td>1. Area in Nonurban Use</td>
</tr>
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</tr>
<tr>
<td>10. Compatibility With Existing Agricultural Use</td>
</tr>
</tbody>
</table>

**PART VII (To be completed by Federal Agency)**

| Relative Value Of Farmland (From Part V) | 100 |
| Total Corridor Assessment (From Part VI above or a local site assessment) | 160 |

**TOTAL POINTS (Total of above 2 lines)**

| 260 |

### 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 □ NO □**

### 5. Reason For Selection:

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

---

Signage 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)**

<table>
<thead>
<tr>
<th>1. Name of Project</th>
<th>3. Date of Land Evaluation Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARDOT Job 20501, Saline &amp; Cadotts Rivers Ohrs. &amp; Apprs. (S), Bridge No. 03602</td>
<td>3/22/19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Type of Project</th>
<th>5. Federal Agency Involved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge replacement</td>
<td>NA</td>
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<table>
<thead>
<tr>
<th>3. Does the corridor contain prime, unique statewide or local important farmland?</th>
<th>4. Acres Irrigated</th>
<th>Average Farm Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>(If no, the FPFA does not apply - Do not complete additional parts of this form.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Major Crop(s)</th>
<th>6. Farmland in Government Jurisdiction Acres:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%</td>
</tr>
</tbody>
</table>

<table>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PART III (To be completed by Federal Agency)**

<table>
<thead>
<tr>
<th>Alternative Corridor For Segment</th>
<th>Corridor A</th>
<th>Corridor B</th>
<th>Corridor C</th>
<th>Corridor D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Total Acres To Be Converted Directly</td>
<td>1.447</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2. Total Acres To Be Converted Indirectly, Or To Receive Services</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3. Total Acres In Corridor</td>
<td>1.447</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**PART IV (To be completed by NRCS) Land Evaluation Information**

<table>
<thead>
<tr>
<th>A. Total Acres Prime And Unique Farmland</th>
<th>1.447</th>
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<td>0</td>
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<td>C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted</td>
<td>0</td>
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<td>0</td>
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</tbody>
</table>

**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)**

<table>
<thead>
<tr>
<th>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</th>
<th>Maximum Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Area in Nonurban Use</td>
<td>15 9</td>
</tr>
<tr>
<td>2. Perimeter in Nonurban Use</td>
<td>10 7</td>
</tr>
<tr>
<td>3. Percent Of Corridor Being Farmed</td>
<td>20 6</td>
</tr>
<tr>
<td>4. Protection Provided By State And Local Government</td>
<td>20 20</td>
</tr>
<tr>
<td>5. Size of Present Farm Unit Compared To Average</td>
<td>10 2</td>
</tr>
<tr>
<td>6. Creation Of Nonfarmable Farmland</td>
<td>25 0</td>
</tr>
<tr>
<td>7. Availability Of Farm Support Services</td>
<td>5 3</td>
</tr>
<tr>
<td>8. On-Farm Investments</td>
<td>20 17</td>
</tr>
<tr>
<td>9. Effects Of Conversion On Farm Support Services</td>
<td>25 0</td>
</tr>
<tr>
<td>10. Compatibility With Exising Agricultural Use</td>
<td>10 4</td>
</tr>
</tbody>
</table>

**TOTAL CORRIDOR ASSESSMENT POINTS**

<table>
<thead>
<tr>
<th>Corridor A</th>
<th>Corridor B</th>
<th>Corridor C</th>
<th>Corridor D</th>
</tr>
</thead>
<tbody>
<tr>
<td>160 68 0 0 0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PART VII (To be completed by Federal Agency)**

<table>
<thead>
<tr>
<th>Relative Value Of Farmland (From Part V)</th>
<th>Total Corridor Assessment (From Part VI above or a local site assessment)</th>
<th>TOTAL POINTS (Total of above 2 lines)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 0 0 0 0</td>
<td>160 68 0 0</td>
<td>260 68 0 0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1. Corridor Selected:</th>
<th>2. Total Acres of Farmlands to be Converted by Project:</th>
<th>3. Date Of Selection:</th>
<th>4. Was A Local Site Assessment Used?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hwy. 278 at Bridge No. 03602</td>
<td>1.447 acres</td>
<td>3/22/19</td>
<td>YES □ NO □</td>
</tr>
</tbody>
</table>

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

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

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

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

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 __________
2nd Pub __________
3rd Pub __________
4th Pub __________

__________________________
Publisher

State of Arkansas
County of Howard

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

__________________________
Notary Public

My commission expires __4-1-2025____
Publication cost

---

WALKING CLINIC

JOIN US AT THE RIVERFRONT PARK ON APRIL 18TH FROM 5-7 PM

REGISTER TODAY!

JOIN THE WALK AND RUN ARKANSAS TEAM!

We are excited to announce the 22nd Annual Women's March and Run in Glenwood, AR. This year, we have added a new event called the WALKING CLINIC. Women of all ages and fitness levels are welcome to participate. The event will begin at 5 p.m. at the Riverfront Park and end at 7 p.m. Participants will have the opportunity to walk or run along the scenic trail while enjoying live music and refreshments.

For more information, please contact [insert contact information].

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 elementary facility.

Please be sure you bring the following records:
1. Proof of residence
2. Immunization records
3. Registration form
4. Birth certificate

We look forward to welcoming your child to Centerpoint Elementary School!
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.WOMENRUNNARKANSAS.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.

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 501-560-2379 or email environmentalplanning@ardo.t.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, color, sex, gender identity, 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/ODR (ADA/584/Title VI Coordinator), P. O. Box 2261, Little Rock, AR 72203, (501) 560-2379, (Voice/TTY 711), or the following email address: joanna.mcfaadden@ardo.t.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. 005091
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

[Signature]

Publisher

State of Arkansas
County of Howard

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

[Signature]

Notary Public

My commission expires 4-1-2025

Publication cost

PAM MCANELLY
Notary Public - Arkansas
Sevier County
Commission #12403418
My Commission Exp. 4/1/2025

If take a few minutes to
letter that I really enjoyed all of
and 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
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)

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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.
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. 

Publisher

State of Arkansas
County of Howard

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

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

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/
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 tsb. cornstarch
- 1 tsb. prepared mustard
- 1 (15 oz.) can pineapple slices, drained and juice reserved
- 1 (0 oz.) jar maraschino cherries (optional)
- 6-8 pound fully cooked, bone-in ham

Place ham, fat side up, on a rack in a 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.
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.

NOTICE OF NONDISCRIMINATION: The Arkansas Department of Transportation (ARDOT) 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
¡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 Río Caddo en la autopista 70 y los Puentes del Río 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 de 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 signas en Ingles), 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
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)

<table>
<thead>
<tr>
<th>Site</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Site 1</td>
<td>Hwy. 70 Saline River (4.5 miles east of Dierks)</td>
</tr>
<tr>
<td>Site 2</td>
<td>Hwy. 70 Caddo River (Glenwood) / Hwy. 8</td>
</tr>
<tr>
<td>Site 3</td>
<td>Hwy. 278 Saline River (8 miles north of Dierks)</td>
</tr>
</tbody>
</table>
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? __________

________________________________________

________________________________________
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.__________________________

__________________________________________

__________________________________________

__________________________________________

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__________________________________________

__________________________________________
Public Meeting - ARDOT Project 030501 - Sevier, Howard and Pike Counties
<table>
<thead>
<tr>
<th>Name</th>
<th>Street or P.O. Box</th>
<th>City, Zip</th>
<th>Representing: Organization or &quot;Self&quot;</th>
<th>How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mary Pearson</td>
<td></td>
<td></td>
<td>ARDOT</td>
<td></td>
</tr>
<tr>
<td>Kike Zuns</td>
<td></td>
<td></td>
<td>ARDOT</td>
<td></td>
</tr>
<tr>
<td>Crystal Robinson</td>
<td></td>
<td></td>
<td>ARDOT</td>
<td></td>
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<tr>
<td>Jason Efird</td>
<td></td>
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<td>ARDOT</td>
<td></td>
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<tr>
<td>William Cheatham</td>
<td></td>
<td></td>
<td>ARDOT</td>
<td></td>
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<tr>
<td>Lisa Wright</td>
<td>407 Hwy 69 East</td>
<td>Glenwood, AR, 71433</td>
<td>Self</td>
<td>Newspaper</td>
</tr>
<tr>
<td>Evan Otebock</td>
<td>705 Hwy 70W</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Talk on Streets</td>
</tr>
<tr>
<td>Lee Lawrence</td>
<td>P.O. #23 Glenwood, AR</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Newspaper</td>
</tr>
<tr>
<td>Randy Linnell</td>
<td>905 Hwy 70W</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Flyer on door</td>
</tr>
<tr>
<td>Ryan Tidwell</td>
<td>379 Hwy 70W</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Flyer on door</td>
</tr>
<tr>
<td>Thomas Lowery</td>
<td>803 Hwy 70W</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Internet</td>
</tr>
<tr>
<td>Bill &amp; Donna West</td>
<td>P.O. 26 1876 My View</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Church</td>
</tr>
<tr>
<td>Hardie Reed, Jr</td>
<td>POB 478</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Newspaper</td>
</tr>
<tr>
<td>Colby Wells</td>
<td>571 Hwy 70</td>
<td>Glenwood, AR</td>
<td>South Central</td>
<td>Flyer on door</td>
</tr>
<tr>
<td>Joe</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosemary Blackmon</td>
<td>Po Box 122</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Facebook</td>
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<tr>
<td>Jim McPherson</td>
<td>301 Darby Rd</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td></td>
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<tr>
<td>Ginny Davis</td>
<td>9 Rose Ln</td>
<td>Kirby, AR</td>
<td>Self</td>
<td>FBC NEWS</td>
</tr>
<tr>
<td>Jo Cox</td>
<td>114 Watson Loop</td>
<td>Dierks, AR</td>
<td>71833</td>
<td>Self</td>
</tr>
<tr>
<td>Jr. Cox</td>
<td></td>
<td>Nashville</td>
<td></td>
<td>Newspaper</td>
</tr>
<tr>
<td>PLEASE PRINT Name</td>
<td>Street or P.O. Box</td>
<td>City, Zip</td>
<td>Representing: Organization or &quot;Self&quot;</td>
<td>How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)</td>
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<td>-------------------</td>
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<td>---------------------------------------------------------------------</td>
</tr>
<tr>
<td>21. BANDY Gasser</td>
<td>403 HWY 70 W</td>
<td>GLENLOWN, AR</td>
<td></td>
<td>FLYER</td>
</tr>
<tr>
<td>22. MR &amp; MRS MORROW</td>
<td>14826 HWY 278 W</td>
<td>NICE, AR</td>
<td>N/A</td>
<td>FLYER</td>
</tr>
<tr>
<td>23. Scott Thomson</td>
<td></td>
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<tr>
<td>24. Landon Miller</td>
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<tr>
<td>25. Justin Carney</td>
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<tr>
<td>26. Kate Rudder</td>
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<tr>
<td>27. David Alvarez</td>
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<td>28. T.J. Holland</td>
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<tr>
<td>PLEASE PRINT Name</td>
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<tr>
<td>181. Rosea Herron</td>
<td>602 Hwy 70 West</td>
<td>Glenwood 71943</td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>182. Elain Blackman</td>
<td>17 Hwy St</td>
<td>Glenwood 71943</td>
<td>Blackmon Oil</td>
<td>Newspaper</td>
</tr>
<tr>
<td>183. Elliot</td>
<td></td>
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<tr>
<td>184. David</td>
<td></td>
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<td>&quot;</td>
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<tr>
<td>185. Hughes Williams</td>
<td>913 Smoker</td>
<td>Glenwood 71943</td>
<td>City Council</td>
<td></td>
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<tr>
<td>186. Lightner Pounl</td>
<td>118 Baca Rd</td>
<td>Glenwood 71943</td>
<td>Self/Caddo River</td>
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<tr>
<td>187. Hughie Cline</td>
<td>26 Hwy 8 E</td>
<td>Glenwood 71943</td>
<td>CRCC</td>
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<tr>
<td>188. Fred Cline</td>
<td>26 Hwy 8 E</td>
<td>Glenwood 71943</td>
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<td>189.</td>
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<tr>
<td>190. Ed Mitchell</td>
<td>1720 N. 1st St.</td>
<td>Glenwood 71943</td>
<td>Self</td>
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<tr>
<td>191. Harry Mitchell</td>
<td>1720 N. 1st St</td>
<td>Glenwood 71943</td>
<td>Self</td>
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</tr>
<tr>
<td>192. Bill Parker</td>
<td>1156 Hwy 84 W</td>
<td>Glenwood 71943</td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>193. Tom Wright</td>
<td>55 Hwy 70 East</td>
<td>Glenwood, AR</td>
<td>Self</td>
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<tr>
<td>194. Nick Jordan</td>
<td>PO Box 5</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td></td>
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<tr>
<td>195. John Benjamin</td>
<td>PO Box 1920</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>196. Madison Kimmel</td>
<td>PO Box 2391</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>197. Tyler Sera</td>
<td>Hwy Rd</td>
<td>Glenwood, AR</td>
<td>Self</td>
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<tr>
<td>198.</td>
<td></td>
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</tr>
<tr>
<td>199. Larry Ramsey</td>
<td>PO Box X368</td>
<td>Glenwood, AR</td>
<td>Self</td>
<td>Flyer</td>
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<tr>
<td>200. John Jones</td>
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</table>
# Public Meeting Register

**Meeting Held At:** First Baptist Church - Glenwood  
**Job Name:** Saline & Caddo Rivers Strs. & Apprs.  
**Job No:** 030501  
**Date:** May 2, 2019

<table>
<thead>
<tr>
<th>PLEASE PRINT Name</th>
<th>Street or P.O. Box</th>
<th>City, Zip</th>
<th>Representing: Organization or “Self”</th>
<th>How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)</th>
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</thead>
<tbody>
<tr>
<td>1. Bicky T. Smith</td>
<td>210 N. 2nd</td>
<td>Greenwood AR</td>
<td>City/Member</td>
<td>E-mail</td>
</tr>
<tr>
<td>2. Dewight Mack</td>
<td>481 Mack Mountain Rd</td>
<td>Kirby, AR 72630</td>
<td>Pike Co. Judge</td>
<td>E-mail</td>
</tr>
<tr>
<td>3. Greg Ray</td>
<td>115 North 3rd St</td>
<td>DeQueen, AR 71832</td>
<td>Sevier Co. Judge</td>
<td>E-mail</td>
</tr>
<tr>
<td>4. Kevin Smith</td>
<td>421 N. Main</td>
<td>Nashville, AR 71852</td>
<td>Howard</td>
<td></td>
</tr>
<tr>
<td>5. Mary Pearson</td>
<td></td>
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**AR DOT ENVIRONMENTAL VERIFICATION CHECKLIST**
**FOR CONSIDERATION OF POTENTIAL IMPACTS**

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

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

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 _______  7/27/2018
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'  (2) 40'  (3) 28'
Shoulder Type/Width:  (1) 6'/Paved  (2) 8'/Paved  (3) 4'/Unpaved

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

Sidewalks?  No  Location:  Width:  
Bike Lanes?  No  Location:  Width:

B. Proposed Conditions:

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

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

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:

2020 ADT:  (1) 3300  (2) 8700  (3) 870
(1&3) 55
2040 ADT:  (1) 3900  (2) 9600  (3) 950
(2) 45  m.p.h.

% Trucks:  (1) 19%  (2) 13%  (3) 10%

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 INFORMATION

Job Number 030501 FAP Number NHPP-0076(152) County Sevier & Howard

Job Name Saline & Caddo Rivers Sts. & Apps. (S)- Bridge No. 02082

Design Engineer Michael Baker International

Description of Existing Bridge:
Bridge Number 02082 over Saline

Bridge Location: Rte: 70 Section: 2 Log Mile: 7.45

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:

Deck Width (Out-to-out) 43'-2" ft

Travel Lanes: Two lanes, 12 ft each Shoulder Width: 8 ft
Sidewalks: N/A Location: N/A Width: N/A

Construction Information
Location in relation to existing bridge: Approximately 12 ft. north of existing bridge
Superstructure Type: Continuous Composite Plate Girder
Span Lengths: 81'-101'-101'-101'-81'
Substructure Type: Piles
Ordinary High Water Elev. 364.5 No. of Bents inside OHW Contours: 2
Concrete Volume below OHW: 2333 yd³ Vol. Bent Excavation: 478.96 yd³
Is backfill req’d? Yes
Is Channel excavation req’d? No
Surface Area: 0 ft² Volume: 0 yd³
Is fill below OHW req’d? No Surface Area: _ ft² Volume: ____________ yd³
Is riprap req’d? Yes

Work Road Information:
Is work road(s) required? Yes
Location: STA 1000+80; 1002+20; 1001+00 Top width: 25 ft
Is fill below OHW req’d? Yes Surface Area: 14500 ft²
Volume 2333 yd³
Are pipes required to meet backwater criteria? No

Detour Information:
Is a detour bridge required? No Location in relation to existing bridge: N/A
Length: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/A
Volume of fill below OHW: N/A yd³ Surface area: N/A ft²
DESIGN INFORMATION

Job Number 030501 FAP Number NHPP-0076(152) County Pike

Job Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 03089

Design 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-10ft

Number of Lanes and Width: Two lanes; 12 ft each

Average Existing ROW Width 120 ft-200 ft

PROPOSED CONDITIONS:
Roadway Width: 36 ft Shoulder Width: N/A (Curb & Gutter)

Number of Lanes and Width: Three lanes, 12ft each

Average ROW Width 100ft-200 ft

CONSTRUCTION INFORMATION:
If detour: Where N/A Length N/A

DESIGN DATA:
2020 ADT 8,700 2040 ADT 9,600 %Trucks 13 Design Speed 45 mph

Approximate total length of project: 0.6 mile(s)

Justification for improvements: Improve safety for motorists and pedestrians
BRIDGE DESIGN INFORMATION

Job Number 030501    FAP Number NHPP-0076(152)    County Pike
Job Name Saline & Caddo Rivers Sts. & Apps. (S)- Bridge No. 03089
Design Engineer Michael Baker International

Description of Existing Bridge:
Bridge Number 03089 over Caddo
Bridge Location: Rte: 70 Section: 5 Log Mile: 8.78
Length: 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:
Deck Width (Out-to-out) 54'-2"
Travel Lanes: _Three lanes, 12 ft each_    Shoulder Width: 1 ft
Sidewalks: _Yes_    Location: _North & South of lanes_    Width: 6'-6"

Construction Information
Location in relation to existing bridge:  _Immediately south of the existing bridge_
Superstructure Type: _Continuous Composite Plate Girder_
Span Lengths: _________________________ 105'-130'-130'-130'-105'
Substructure Type: _Drilled Shafts_
Ordinary High Water Elev.  524  No. of Bents inside OHW Contours:  2
Concrete Volume below OHW: 2920 yd³   Vol. Bent Excavation: 0 yd³
Is backfill req’d? _No_
Is Channel excavation req’d? _No_    Surface Area: __ft²    Volume: __yd³
Is fill below OHW req’d? _No_    Surface Area: __ft²    Volume: __yd³
Is 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 ft
Is fill below OHW req’d? _Yes_    Surface Area: 28888 ft²  Volume 2920 yd³
Are pipes required to meet backwater criteria? _No_

Detour Information:
Is a detour bridge required?  _No_    Location in relation to existing bridge: _N/A_
Length: _N/A_ ft    Br. Rdwy. Width: _N/A_ ft    Deck Elevation: _N/A_
Volume of fill below OHW: _N/A_ yd³    Surface area: _N/A_ ft²
DESIGN INFORMATION

Job Number 030501 FAP Number NHPP-0076(152) County Howard
Job Name Saline & Caddo Rivers Strs. & Apps. (S)- Bridge No. 03602
Design 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 ft
Number of Lanes and Width: Two lanes; 10 ft each
Average Existing ROW Width 100 ft-150 ft

PROPOSED CONDITIONS:
Roadway Width: 22 ft Shoulder Width: 6' (2' Paved)
Number of Lanes and Width: Two lanes, 11 ft each
Average ROW Width 100ft-200 ft

CONSTRUCTION INFORMATION:
If detour: Where N/A Length N/A

DESIGN DATA:
2020 ADT 870 2040 ADT 950 %Trucks 10 Design Speed 55 mph
Approximate total length of project: 0.6 mile(s)
Justification for improvements: Improve safety and mobility for motorists
BRIDGE DESIGN INFORMATION

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

Description of Existing Bridge:
Bridge Number 03602 over Saline
Bridge Location: Rte: 278 Section: 2 Log Mile: 19.09
Type Construction: Spalls w/ rebar exposed on bottom of concrete deck, cap
haunch, and bents
Deficiencies HBRRP Eligibility: No Qualifying Code: N/A Sufficiency Rating: 1

Proposed Improvements:
Deck Width (Out-to-out) 37'-2"
Travel Lanes: Two lanes, 11 ft each Shoulder Width: 6 ft
Sidewalks: NO Location: Width:

Construction Information
Location in relation to existing bridge: Approximately 10 feet west of existing bridge
Superstructure Type: Continuous composite W-Beam
Span Lengths: 67'-82'-82'-82'-67'
Substructure Type: Drilled shafts
Ordinary High Water Elev. 575 No. of Bents inside OHW Contours: 3
Concrete Volume below OHW: 1108 yd³ Vol. Bent Excavation: 0 yd³
Is backfill req’d? No
Is Channel excavation req’d? No Surface Area: 0 ft² Volume: 0 yd³
Is fill below OHW req’d? No Surface Area: 0 ft² Volume: 0 yd³
Is riprap req’d? Yes

Work Road Information:
Is work road(s) required? Yes Location: 2999+50;02998+40
Top width: 25 ft
Is fill below OHW req’d? Yes Surface Area: 14011 ft²
Volume 1108 yd³
Are pipes required to meet backwater criteria? No

Detour Information:
Is a detour bridge required? No Location in relation to existing bridge: N/A
Length: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/A
Volume of fill below OHW: N/A yd³ Surface area: N/A ft²