April 23, 2018

Mr. Peter Jilek  
Acting Division Administrator  
Federal Highway Administration  
700 West Capitol, Room 3130  
Little Rock, Arkansas 72201-3298

Re:  Job Number 061460  
     FAP Number NHPP-0030(22)  
     Hwy. 84 Strs. & Apprs. (Oak Grove) (S)  
     Bridge Numbers M1572 & M1573  
     Route 84, Section 6  
     Hot Spring County  
     Tier 3 Categorical Exclusion

Dear Mr. Jilek:

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

The purpose of this project is to replace structurally deficient bridges at two sites on Highway 84 in Hot Spring County. The total project length is approximately 0.4 mile. A project location map is enclosed.

Bridge Number M1572 at Site 1 has a 54’x 24’ concrete deck on timber beams supported by timber pile bents with timber caps. The bridge has a sufficiency rating of 16.0 and is structurally deficient. It will be replaced with a quadruple barrel 10’ x 8’ x 56’ reinforced concrete box culvert.

Bridge Number M1573 at Site 2 has a 48’ x 24’ concrete deck on timber beams supported by timber pile bents with timber caps. The bridge has a sufficiency rating of 43.2 and is structurally deficient. It will be replaced with a quadruple barrel 11’ x 7’ x 60’ reinforced concrete box culvert.
The existing bridge approaches have two 10’ wide travel lanes with no shoulders. The proposed project will widen the travel lanes to 12’ and add 6’ wide shoulders (2’ paved).

Both bridges will be replaced on existing location and require the construction of detour roads on the downstream (south) side of the highway. The detour road length will be 791’ for Site 1 and 908’ for Site 2. The proposed project will require a total of approximately 0.8 acre of additional right of way and 1.2 acre of temporary construction easement. The average existing right of way width varies from approximately 80’ to 100’. The average proposed right of width will be approximately 180’.

Design data for this project is as follows:

<table>
<thead>
<tr>
<th>Design Year</th>
<th>Average Daily Traffic</th>
<th>Percent Trucks</th>
<th>Design Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>1,500</td>
<td>8</td>
<td>55 mph</td>
</tr>
<tr>
<td>2040</td>
<td>2,000</td>
<td>8</td>
<td>55 mph</td>
</tr>
</tbody>
</table>

There are no wetlands, public water supplies, environmental justice issues, or cultural resources associated with this project. State Historic Preservation Officer clearance is enclosed. Approximately 0.36 acre of Prime Farmland will be converted to highway right of way. Form NRCS-CPA-106 for Farmland Conversion is enclosed.

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

Bridge replacement on existing location does not add capacity or expose noise sensitive land uses to a new highway noise source. A noise analysis is therefore not required for this project, based on ARDOT’s Policy on Highway Traffic Noise Abatement. In compliance with federal guidelines, local authorities will also not require notification.

A species list from the US Fish and Wildlife Service (USFWS) Information for Planning and Consultation website identified the following federally-listed species as potentially affected by the proposed project: the northern long-eared bat (Myotis septentrionalis), Piping Plover (Charadrius melodus), Arkansas Fatmucket (Lampsilis powellii), Ouachita Rock Pocketbook (Arcidens wheeleri), Pick Mucket (Lampsilis abrupta), Rabbitsfoot (Theliderma cylindrica), Spectaclecase (Margaritifera monodonta), Winged Mapleleaf (Quadrula fragosa), and Missouri bladderpod (Physaria filiformis).
Based on the location of known roost trees and distance to known species, it has been determined that the project 'may affect, but is not likely to adversely affect', the northern long-eared bat. The northern long-eared bat will be covered under the USFWS Final 4(d) Rule and Programmatic Biological Opinion dated January 5, 2016. It has been determined that the project will have 'no effect' on the Piping Plover and Missouri bladderpod due to the lack of habitat and distance to known species. Based on studies conducted by Peck (2010) and the implementation of erosion control, best management practices, and a storm water management plan, it has been determined that the project 'may affect, but is not likely to adversely affect', the Arkansas Fatmucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot, Spectaclecase, and Winged Mapleleaf. The USFWS concurrence and species list are enclosed.

The Site 1 detour road will impact approximately 160 linear feet of stream. Stream mitigation credits will be calculated using the Little Rock Stream Method and impacts will be mitigated at the Upper Saline Mitigation Bank Site. Construction of this project should be allowed under the terms of Nationwide Permit 14 for Linear Transportation Projects as defined in the Federal Register 82(4):1860 – 2008.

Please contact the Environmental Division at 569-2281 if you have any questions.

Sincerely,

John Fleming
Division Head
Environmental Division

Enclosures

JF:MP:fc

c: Program Management
   Right of Way
   Roadway Design
   Bridge
   District 6
   Master File
May 1, 2017

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

RE: AHTD Job No. 061460  
Hwy. 84 Strs. & Apprs. (S)  
Hot Spring County

Dear Ms. Hurst:

A Project Identification Form for the referenced project is enclosed. Please review for concurrence with the findings of my staff. If you have any questions or require additional information, please contact Jason Eads of my staff at (501) 569-2181.

Sincerely,

John Fleming  
Division Head  
Environmental Division

Enclosure  
PIF  
JF:DW:JE:ym  

MAY 0 3 2017  

No known historic properties will be affected by this undertaking. This effect determination could change if new information comes to light.

Frances McCollin, Deputy State Historic Preservation Officer
### FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

**PART I (To be completed by Federal Agency)**  
1. Name of Project: Hwy 84 Stra. & Apprs  
2. Type of Project: Bridge Replacement  

**PART II (To be completed by Federal Agency)**  
3. Does the corridor contain prime, unique statewide or local important farmland?  
   **YES**  
   **NO**  
4. Acres Irrigated  
5. Major Crop(s)  
6. Farmable Land in Government Jurisdiction  
   Acres: %  
7. Amount of Farmland As Defined in FPPA  
   Acres: %  

**PART III (To be completed by Federal Agency)**  
A. Total Acres To Be Converted Directly  
B. Total Acres To Be Converted Indirectly, Or To Receive Services  
C. Total Acres In Corridor  

**PART IV (To be completed by NRCS) Land Evaluation Information**  
A. Total Acres Prime And Unique Farmland  
B. Total Acres Statewide And Local Important Farmland  
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted  
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value  

**PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)**  

**PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))**  
1. Area in Nonurban Use  
2. Perimeter in Nonurban Use  
3. Percent Of Corridor Being Farmed  
4. Protection Provided By State And Local Government  
5. Size of Present Farm Unit Compared To Average  
6. Creation Of Nonfarmable Farmland  
7. Availability Of Farm Support Services  
8. On-Farm Investments  
9. Effects Of Conversion On Farm Support Services  
10. Compatibility With Existing Agricultural Use  

**Total Corridor Assessment Points**  

**PART VII (To be completed by Federal Agency)**  
Relative Value Of Farmland (From Part V)  
Total Corridor Assessment (From Part VI above or a local site assessment)  
**Total Points** (Total of above 2 lines)  

**1. Corridor Selected:**  
   Location Adjacent to existing  
**2. Total Acres of Farmlands to be Converted by Project:**  
   0.36 acres of Prime Farmland  
**3. Date Of Selection:**  
   **YES**  
   **NO**  

**5. Reason For Selection:**

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**Signature of Person Completing this Part:**

**DATE:**  

**NOTE:** Complete a form for each segment with more than one Alternate Corridor.
Mr. John Fleming

c/o Josh Seagraves
Arkansas Department of Transportation
10324 Interstate 30
Little Rock, Arkansas  72209

Dear Mr. Fleming,

The U. S. Fish and Wildlife Service (Service) has reviewed your assessment and determinations for Arkansas Department of Transportation (ARDOT) Project Number 061460ES/TS (Hwy. 84 Strs. & Apprs. (Oak Grove)), Hot Spring County, Arkansas. The project was described and assessed as follows (abbreviated):

The project will replace two drainage structures on Hwy. 84 in Hot Spring County (AR). The project is located near the community of Social Hill. The Service IPaC database determined that 4 endangered species and 5 threatened species may occur within the project area. The Northern Long-eared Bat, Piping Plover, Arkansas Fatmucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot Mussel, Spectaclecase Mussel, Winged Mapleleaf, and Missouri Bladderpod may be located within the construction limits of the proposed project.

Based on the location of known roost trees and distance to known species, it is our determination that the project may, but not likely to adversely affect the Northern Long-eared Bat. The project should conform to the final 4(d) rule for Northern Long-eared Bats based on the intra-service biological opinion dated January 5, 2016. Based on the lack of habitat and distance to known species, it is our determination that the project will have no effect on the Piping Plover and Missouri Bladderpod.

A study conducted by Peck (2010) investigated the effects of a similar bridge replacement project completed by ARDOT on freshwater mussel communities in the Saline River, Arkansas. Based on the results of the Peck (2010) study, it is expected that the construction and demolition activities associated with this project may result in a slight increase in fine sediments; however, those increases are not likely to result in changes to the physiological condition of the mussels or changes in mussel community metrics. The project will implement erosion control, best management practices, and a storm water management plan. Based on this information, it is our determination that the project may, but is not likely to adversely affect the following species: Arkansas Fatmucket, Ouachita Rock
Pocketbook, Pink Mucket, Rabbitsfoot Mussel, Spectaclecase Mussel and the Winged Mapleleaf.

Based on the location of this action, the minimal forested habitat being affected, the distance to known species locations and hibernacula, and application of standard sediment and erosion controls; the Service agrees with your assessment and concurs with your determinations for Arkansas Fatmucket, Ouachita Rock Pocketbook, Pink Mucket, Rabbitsfoot Mussel, Spectaclecase Mussel, and the Winged Mapleleaf. No further consultation regarding these species is necessary at this time.

Furthermore, 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 take 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.

Additionally, due to the limited size of the area being cleared, proximity to the existing right-of-way, minimal adjacent habitat being disturbed, minimal ground disturbance, and distance to known species locations, the Service has no concerns or recommendations to provide as further technical assistance related to this action for any other species identified for this area. No further action is required at this time.

For further assistance or if you have any questions, please contact Lindsey Lewis at (501) 513-4489 or lindsey_lewis@fws.gov.

Sincerely,

[Signature]

Melvin L. Tobin
Field Supervisor
In Reply Refer To: Consultation Code: 04ER1000-2017-SLI-1371
Event Code: 04ER1000-2017-E-01987
Project Name: Hwy. 84 Strs. & Apprs. (Oak Grove)

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

To Whom It May Concern:

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

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

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

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

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: 04ER1000-2017-SLI-1371
Event Code: 04ER1000-2017-E-01987
Project Name: Hwy. 84 Strs. & Apprs. (Oak Grove)
Project Type: TRANSPORTATION
Project Description: replace two drainage structures
Project Location:
Approximate location of the project can be viewed in Google Maps:
https://www.google.com/maps/place/34.35779858482597N92.88270370946339W

Counties: Hot Spring, AR
Endangered Species Act Species

There is a total of 9 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Long-eared Bat Myotis septentrionalis</td>
<td>Threatened</td>
</tr>
</tbody>
</table>

No critical habitat has been designated for this species.

Species profile: [https://ecos.fws.gov/ecp/species/9045](https://ecos.fws.gov/ecp/species/9045)

Birds

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piping Plover Charadrius melodus</td>
<td>Threatened</td>
</tr>
</tbody>
</table>

Population: except Great Lakes watershed

There is final designated critical habitat for this species. Your location is outside the critical habitat.

Species profile: [https://ecos.fws.gov/ecp/species/6039](https://ecos.fws.gov/ecp/species/6039)
### 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>Ouachita Rock Pockebook <em>Arkansas wheeleri</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>Pink Mucket (pearlymussel) <em>Lampsilis abrupta</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>Rabbitsfoot <em>Quadrula cylindrica cylindrica</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>Spectaclecase (mussel) <em>Cumberlandia monodonta</em></td>
<td>Endangered</td>
</tr>
<tr>
<td>Winged Mapleleaf <em>Quadrula fragosa</em></td>
<td>Endangered</td>
</tr>
</tbody>
</table>

- No critical habitat has been designated for this species.
- Species profile: [https://ecos.fws.gov/ecp/species/2213](https://ecos.fws.gov/ecp/species/2213)
- Species profile: [https://ecos.fws.gov/ecp/species/4509](https://ecos.fws.gov/ecp/species/4509)
- Species profile: [https://ecos.fws.gov/ecp/species/7829](https://ecos.fws.gov/ecp/species/7829)
- Species profile: [https://ecos.fws.gov/ecp/species/5165](https://ecos.fws.gov/ecp/species/5165)
- Species profile: [https://ecos.fws.gov/ecp/species/7867](https://ecos.fws.gov/ecp/species/7867)
- Species profile: [https://ecos.fws.gov/ecp/species/4127](https://ecos.fws.gov/ecp/species/4127)

### Flowering Plants

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri Bladderpod <em>Physaria filiformis</em></td>
<td>Threatened</td>
</tr>
</tbody>
</table>

- No critical habitat has been designated for this species.
- Species profile: [https://ecos.fws.gov/ecp/species/5361](https://ecos.fws.gov/ecp/species/5361)

### Critical habitats

There are no critical habitats within your project area under this office's jurisdiction.
## ARDOT ENVIRONMENTAL IMPACTS ASSESSMENT FORM

**ARDOT Job Number** 061460  
**FAP Number** NHPP-0030(22)  
**Job Title** Hwy. 84 Strs. & Apprs. (Oak Grove) (S)

<table>
<thead>
<tr>
<th>Environmental Impacts</th>
<th>None</th>
<th>Minor</th>
<th>Significant</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Quality</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Impacts</td>
<td></td>
<td>X</td>
<td></td>
<td>Temporary</td>
</tr>
<tr>
<td>Cultural Resources</td>
<td>X</td>
<td></td>
<td></td>
<td>SHPO clearance enclosed</td>
</tr>
<tr>
<td>Economic</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Endangered Species</td>
<td></td>
<td>X</td>
<td></td>
<td>USFWS concurrence received 10/2017; letter and species list enclosed</td>
</tr>
<tr>
<td>Energy Resources</td>
<td>X</td>
<td></td>
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<tr>
<td>Environmental Justice/Title VI</td>
<td>X</td>
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<tr>
<td>Fish and Wildlife</td>
<td>X</td>
<td></td>
<td></td>
<td>Temporary during construction</td>
</tr>
<tr>
<td>Floodplains</td>
<td>X</td>
<td></td>
<td></td>
<td>Zone A, Special Flood Hazard Area</td>
</tr>
<tr>
<td>Forest Service Property</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazardous Materials/Landfills</td>
<td>X</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Land Use Impacts</td>
<td>X</td>
<td></td>
<td></td>
<td>0.8 acre ROW; 1.2 acre TCE</td>
</tr>
<tr>
<td>Migratory Birds</td>
<td>X</td>
<td></td>
<td></td>
<td>Migratory Bird SP added</td>
</tr>
<tr>
<td>Navigation/Coast Guard</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td>Noise Levels</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prime Farmland</td>
<td>X</td>
<td></td>
<td></td>
<td>0.4 acre Prime Farmland</td>
</tr>
<tr>
<td>Protected Waters</td>
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<tr>
<td>Public Recreation Lands</td>
<td>X</td>
<td></td>
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<tr>
<td>Public Water Supply/WHPA</td>
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<td></td>
<td></td>
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<tr>
<td>Relocations</td>
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<tr>
<td>Section 4(f)/6(f)</td>
<td>X</td>
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<td></td>
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</tr>
<tr>
<td>Social</td>
<td>X</td>
<td></td>
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<td></td>
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<tr>
<td>Underground Storage Tanks</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Visual Impacts</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Stream Impacts</td>
<td></td>
<td>X</td>
<td></td>
<td>Site 1 detour road will require stream relocation and mitigation</td>
</tr>
<tr>
<td>Water Quality</td>
<td>X</td>
<td></td>
<td></td>
<td>Temporary during construction</td>
</tr>
<tr>
<td>Wetlands</td>
<td>X</td>
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</tr>
<tr>
<td>Wildlife Refuges</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section 401 Water Quality Certification Required?**  
- **No**

**Short-term Activity Authorization Required?**  
- **Yes**

**Section 404 Permit Required?**  
- **Yes**  
  - **Type** NW14

**Remarks:**

---

**Signature of Evaluator**  
- *[Signature]*  
  - **Date** April 20, 2018

5/17/2011
ROADWAY DESIGN REQUEST

Job Number 061460  FAP No. NHPP-0030(22)  County Hot Spring

Job Name Hwy. 84 Strs. & Apprs. (Oak Grove) (S)

Design Engineer Mark Earl  Environmental Staff

Brief Project Description Bridge replacement

A. Existing Conditions:
   Roadway Width: 20'  Shoulder Type/Width: none
   Number of Lanes and Width: 2-10'  Existing Right-of-Way: 80’–100'
   Sidewalks? no  Location:  Width: 
   Bike Lanes? no  Location:  Width: 

B. Proposed Conditions:
   Roadway Width: 24'  Shoulder Type/Width: 6'(2' paved, 4' agg.)
   Number of Lanes and Width: 2-12'  Proposed Right-of-Way: 180'
   Sidewalks? no  Location:  Width: 
   Bike Lanes? no  Location:  Width: 

C. Construction Information:
   If detour:  Where: On site  Length: 791’ and 908’

D. Design Traffic Data:
   2020 ADT: 1500  2040 ADT: 2000  % Trucks: 8
   Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.038 mile(s)

F. Justification for proposed improvements: Structurally deficient

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

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

<table>
<thead>
<tr>
<th>Agency/Official</th>
<th>Person Contacted</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Judge</td>
<td>Judge Dennis Thornton</td>
<td>2/14/18</td>
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</tbody>
</table>
BRIDGE INFORMATION – PRELIMINARY

Job Number: _061460_  FAP Number: _NHPP-003(22)_  County: _Hot Spring_
Job Name:  Hwy. 84 Strs. & Apprs. (Oak Grove) (S)
Design Engineer:  Thomas Gerard  Environmental Staff:  Mary Pearson

A. **Description of Existing Bridge:**
1. Bridge Number **M1572** over **Unnamed Tributary**
2. Location: Rte.: **84**  Section: **6**  Log Mile: **17.68**
3. Length: **54** ft  Br. Rdwy. Width: **22.6** ft  Deck Width (Out-to-Out): **24.1** ft
4. Type Construction: Concrete slab on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
6. HBRRP Eligibility: Qualif. Code: **SD**  Sufficiency Rating: **16.0**
7. Are any Condition Component Ratings at 3 or less? **No**

B. **Proposed Improvements:**
Existing bridge will be replaced with a box culvert.
Please contact the Roadway Division for proposed improvements.
BRIDGE INFORMATION – PRELIMINARY

Job Number: 061460  FAP Number: NHPP-003(22)  County: Hot Spring
Job Name: Hwy. 84 Strs. & Apprs. (Oak Grove) (S)
Design Engineer: Thomas Gerard  Environmental Staff: Mary Pearson

A. Description of Existing Bridge:
1. Bridge Number M1573 over Lee Creek
2. Location: Rte.: 84  Section: 6  Log Mile: 18.25
4. Type Construction: Concrete slab on timber beams supported by timber pile bents with timber caps.
5. Deficiencies: Posted
7. Are any Condition Component Ratings at 3 or less? No

B. Proposed Improvements:
Existing bridge will be replaced with a box culvert.
Please contact the Roadway Division for proposed improvements.
PCN Checklist

Job Number and Name: ___061460 Hwy. 84 Strs. & Apprs. 
Natural Resource Employee: ____ Bill Bailey

(1) Does your project occur within (or within a mile of) a special resource waterbody (e.g. ERW, ESW, Natural and Scenic or Wild and Scenic)?

☐ Yes ☒ No

***If yes, PCN required and Individual Water Quality Certification***
Name of waterbody: ________________________________

(2) Is this a maintenance project involving removal of accumulated sediments near a bridge or culvert?

☐ Yes ☒ No

(3) A NWP No 14:
A) With more than 0.1 acre impacts OR
B) A discharge into special aquatic site including wetlands OR
C) In one of the following counties: Cleburne, Van Buren, Conway, Faulkner, or White?

☐ Yes ☒ No

(4) Is the project a NWP23?

☐ Yes ☒ No

(5) Is the project in wetlands:
A) In Ashley, Clay, Jackson, Lawrence, Woodruff or Craighead County OR
B) Any of the following waters of the US: Fens, Bogs, Seeps, Dune Depressions OR
C) Cache River and adjacent wetlands downstream of Hwy 18?

☐ Yes ☒ No

(6) Is the project in one of the following counties: Benton or Stone?

☐ Yes ☒ No

(7) Is the project impacting one of the following creeks or rivers?

<table>
<thead>
<tr>
<th>Antoine River</th>
<th>Frog Bayou</th>
<th>Little Missouri River (Below Greeson)</th>
<th>Saline River (below Dierks Reservoir) *Western</th>
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</thead>
<tbody>
<tr>
<td>Arkansas River</td>
<td>Illinois River</td>
<td>Little River (above and below Millwood)</td>
<td>Saline River</td>
</tr>
<tr>
<td>Big Brushy Creek (Montgomery)</td>
<td>Muddy Fork</td>
<td>Little Red River</td>
<td>Alum Fork</td>
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<tr>
<td>Black River</td>
<td>Irons Fork (Polk)</td>
<td>Devil’s Fork</td>
<td>Big Creek</td>
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<tr>
<td>Brush Creek (Perry and Yell)</td>
<td>Ouachita River</td>
<td>Beech Creek</td>
<td>Middle Fork</td>
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<tr>
<td>Buffalo Creek (Polk)</td>
<td>Iron Fork</td>
<td>Turkey Creek</td>
<td>South Fork</td>
</tr>
<tr>
<td>Buffalo River</td>
<td>North Fork</td>
<td>Archey Creek</td>
<td>St. Francis River and Floodway</td>
</tr>
<tr>
<td>Caddo River</td>
<td>South Fork</td>
<td>Mississippi River</td>
<td>Clark Corner Cutoff</td>
</tr>
<tr>
<td>Clear Fork (Scott)</td>
<td>Kings River</td>
<td>Mountain Fork River (Polk)</td>
<td>Cross County Ditch</td>
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<tr>
<td>Cassatot River</td>
<td>L’Anguille River</td>
<td>Muddy Creek</td>
<td>Ditches 10, 123, 60, 61, 9</td>
</tr>
<tr>
<td>Current River</td>
<td>Lewis Creek (Polk)</td>
<td>Myatt Creek</td>
<td>St. Francis Bay</td>
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<tr>
<td>Eleven Point River</td>
<td>Little River (Northeast St. Francis Trib)</td>
<td>Rainy Creek (Montgomery)</td>
<td>Iron Mines Creek</td>
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<tr>
<td>Fiddlers Creek (Montgomery and Yell)</td>
<td>Left Hand Chute</td>
<td>Red River</td>
<td>Straight Slough</td>
</tr>
<tr>
<td>Fourche LaFave River</td>
<td>Right Hand Chute</td>
<td>Robinson Creek (Polk and Sevier)</td>
<td>War Eagle Creek</td>
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<tr>
<td>Dry Fork</td>
<td>All Ditches</td>
<td>Rolling Fork (Below DeQueen Reservoir)</td>
<td>White River</td>
</tr>
<tr>
<td>South Fork</td>
<td>Little Brushy Creek (Montgomery)</td>
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</tbody>
</table>

☐ Yes ☒ No

***If you selected yes to any of the questions above a PCN is required***

(8) IF PCN is required, is the project in an impaired waterbody for turbidity/siltation, a waterbody with a TMDL for turbidity/siltation or within a mile of one the above?

☐ Yes ☒ No

If yes Individual Water Quality Certification Required.
Name of waterbody: ________________________________