April 25, 2018

TO: Master Files

FROM: John Fleming, Division Head, Environmental Division

SUBJECT: Job Number 110574
FAP Number NHPP-0019(47)
Hwy. 350 Strs. & Apprs.
Highway 350, Section 1
Bridge Numbers M3273, M3274, M2931, M2932, M2934
Cross County
Tier 2 Categorical Exclusion

The Environmental Division has reviewed the referenced project and it falls within the definition of a Tier 2 Categorical Exclusion under 23 Code of Federal Regulations, Section 771.117, and the ArDOT/FHWA Memorandum of Agreement on the processing of Categorical Exclusions. A public hearing will not be offered for this project.

The purpose of this project is to replace five bridges on Highway 350 in Cross County. The total length of the project is 1.9 miles. A project location map is attached.

Highway 350 consists of two 10-foot wide paved lanes and 4-foot gravel shoulders. The existing right of way width is 80 feet. Information about the existing bridges is provided in Table 1.

Proposed roadway improvements for Highway 350 will include two 11-foot wide paved travel lanes with 4-foot (2-foot paved) wide paved shoulders. New bridges will be constructed adjacent to the existing bridges at four sites and a box culvert will replace the bridge on the existing alignment at one site. Information about the proposed structures is provided in Table 2. The new average right of way width will be 165 feet.
Table 1
Existing Structures

<table>
<thead>
<tr>
<th>Site</th>
<th>Bridge Number</th>
<th>Stream</th>
<th>Sufficiency Rating/Qualifying Code</th>
<th>Existing Bridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M3273</td>
<td>Lick Creek</td>
<td>49.5/NQ</td>
<td>28’ x 90’ concrete slab on timber pile bents</td>
</tr>
<tr>
<td>2</td>
<td>M3274</td>
<td>Lick Creek</td>
<td>79.0/NQ</td>
<td>29’ x 50’ concrete slab on timber pile bents</td>
</tr>
<tr>
<td>3</td>
<td>M2931</td>
<td>Unnamed</td>
<td>23.4/SD</td>
<td>24’ x 57’ concrete slab on timber pile bents</td>
</tr>
<tr>
<td>4</td>
<td>M2932</td>
<td>Unnamed</td>
<td>23.4/SD</td>
<td>24’ x 92’ concrete slab on timber pile bents</td>
</tr>
<tr>
<td>5</td>
<td>M2934</td>
<td>Unnamed</td>
<td>25.9/SD</td>
<td>26’ x 76’ concrete slab on timber pile bents</td>
</tr>
</tbody>
</table>

Table 2
Proposed Structures

<table>
<thead>
<tr>
<th>Site</th>
<th>Stream</th>
<th>Structure Location</th>
<th>Proposed Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lick Creek</td>
<td>40’ upstream</td>
<td>33’ x 175’ continuous R.C. slab bridge on steel shell pile bents</td>
</tr>
<tr>
<td>2</td>
<td>Lick Creek</td>
<td>45’ upstream</td>
<td>33’ x 90’ continuous R.C. slab bridge on steel shell pile bents</td>
</tr>
<tr>
<td>3</td>
<td>Unnamed</td>
<td>On location</td>
<td>Double 12’ x 7’ x 83’ RC box culvert</td>
</tr>
<tr>
<td>4</td>
<td>Unnamed</td>
<td>40’ upstream</td>
<td>33’ x 90’ continuous R.C. slab bridge on steel shell pile bents</td>
</tr>
<tr>
<td>5</td>
<td>Unnamed</td>
<td>40’ downstream</td>
<td>33’ x 90’ continuous R.C. slab bridge on steel shell pile bents</td>
</tr>
</tbody>
</table>
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>2019</td>
<td>400</td>
<td>11</td>
<td>55</td>
</tr>
<tr>
<td>2039</td>
<td>400</td>
<td>11</td>
<td>55</td>
</tr>
</tbody>
</table>

There are no relocations or environmental justice issues associated with this project. Field inspections found no evidence of existing underground storage tanks or hazardous waste deposits. A maximum of 7.66 acres of new right of way will be required to construct this project, of which a maximum of 1.63 acres is Prime Farmland and 0.16 acre is Farmland of Statewide Importance. Form NRCS-CPA-106, the Farmland Conversion Impact Rating, is attached. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is attached.

The project will have a discharge of dredged or fill material into waters of the United States, therefore a Section 404 permit will be required. The project should be authorized by Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82(4):1860-2008.

The official species list obtained through the US Fish and Wildlife Service (USFWS) Information for Planning and Consultation website lists Piping Plover (*Charadrius melodus*), Fat Pocketbook (*Potamilus capax*), and pondberry (*Lindera melissifolia*) as species potentially affected by the proposed project. This project will not affect these species due to lack of suitable habitat.

Cross County participates in the National Flood Insurance Program. Site 5 lays within the Zone A, Special Flood Hazard Area. The final project design will be reviewed to confirm that the design is adequate and that the potential risk to life and property are minimized. Adjacent properties should not be impacted nor have a greater flood risk than existed before construction of the project. None of the encroachments will constitute a significant floodplain encroachment or a significant risk to property or life.

Based upon the ARDOT’s *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. This project does not involve added
Job Number 110574
Tier 2 Categorical Exclusion
Page 4 of 4

capacity, construction of new through lanes or auxiliary lanes, changes in the horizontal or vertical alignment of the roadway, or exposure of noise sensitive land uses to a new or existing highway noise source.

Attachments:
- Project Location Map
- SHPO Clearance
- USFWS Species List
- Environmental Study Checklist
- Design Sheets

Approved:

Kevin Thornton
Assistant Chief Engineer-Planning

JF:SL:fc

c: Program Management
   Right of Way
   Roadway
   Bridge
   District 1
   FHWA
March 9, 2018

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

RE: Job Number 110574
Hwy. 350 Strs. & Apprs. (S)
Route 350, Section 1
Cross County

Dear Ms. Hurst:

Please find enclosed a Project Identification Form (PIF) for the above referenced project. This project proposes to replace five bridges on State Highway 350 in Cross County. If you have any questions or require additional information about the project, please contact William McAlexander of my staff at 501-569-2078.

Sincerely,

John Fleming
Division Head
Environmental Division

Enclosure:
PIF

JF:DW:WM:ym

Arkansas State Historic Preservation Officer
**FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS**

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

2. Type of Project: Bridge Replacement

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

3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form)
   - YES
   - NO

4. Acres Irrigated
   - Average Farm Size

5. Major Crop(s)
6. Farmable Land in Government Jurisdiction
   - Acres:
   - %

7. Amount of Farmland As Defined in FPPA
   - Acres:
   - %

8. Name Of Land Evaluation System Used
9. Name of Local Site Assessment System

**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 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 Points</th>
<th>Corridor A</th>
<th>Corridor B</th>
<th>Corridor C</th>
<th>Corridor D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Area In Nonurban Use</td>
<td>15</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Perimeter In Nonurban Use</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Percent Of Corridor Being Farmed</td>
<td>20</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Protection Provided By State And Local Government</td>
<td>20</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Size of Present Farm Unit Compared To Average</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Creation Of Nonfarmable Farmland</td>
<td>25</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Availability Of Farm Support Services</td>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. On-Farm Investments</td>
<td>20</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Effects Of Conversion On Farm Support Services</td>
<td>25</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Compatibility With Existing Agricultural Use</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CORRIDOR ASSESSMENT POINTS**

160

**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)**

260

1. Corridor Selected: New Location Adjacent to existing
2. Total Acres of Farmlands to be Converted by Project: 1.63 acres of Prime Farmland & .16 of Farmland of Statewide Importance
3. Date Of Selection:
4. Was A Local Site Assessment Used?
   - YES
   - NO

5. Reason For Selection:

Signature of Person Completing this Part: [Signature]

DATE: 4/25/18

NOTE: Complete a form for each segment with more than one Alternate Corridor.
In Reply Refer To:  
Consultation Code: 04ER1000-2018-SLI-0823  
Event Code: 04ER1000-2018-E-01189  
Project Name: 110574 Hwy. 350 Strs. & Apprs. (S) Site 1

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

To Whom It May Concern:

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

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

Please visit our website at http://www.fws.gov/arkansas-es/IPaC/home.html for species-specific guidance to avoid and minimize adverse effects to federally endangered, threatened, proposed, and candidate species. Our web site also contains additional information on species life history and habitat requirements that may be useful in project planning.
If your project involves in-stream construction activities, oil and natural gas infrastructure, road construction, transmission lines, or communication towers, please review our project specific guidance at http://www.fws.gov/arkansas-es/IPaC/ProjSpec.html.

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

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

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

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

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

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

Attachment(s):

- Official Species List
Official Species List

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

This species list is provided by:

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

Consultation Code: 04ER1000-2018-SLI-0823

Event Code: 04ER1000-2018-E-01189

Project Name: 110574 Hwy. 350 Strs. & Apprs. (S) Site 1

Project Type: TRANSPORTATION

Project Description: Replace five bridges on Hwy 350.

Project Location:
Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/35.16293518210579N90.81378221511842W

Counties: Cross, AR
Endangered Species Act Species

There is a total of 3 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.

## Birds

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piping Plover <em>Charadrius melodus</em></td>
<td>Threatened</td>
</tr>
<tr>
<td>Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered.</td>
<td></td>
</tr>
<tr>
<td>There is <strong>final</strong> 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/6039">https://ecos.fws.gov/ecp/species/6039</a></td>
<td></td>
</tr>
</tbody>
</table>

## Clams

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fat Pocketbook <em>Potamilus capax</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/2780">https://ecos.fws.gov/ecp/species/2780</a></td>
<td></td>
</tr>
</tbody>
</table>

## Flowering Plants

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pondberry <em>Lindera melissifolia</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/1279">https://ecos.fws.gov/ecp/species/1279</a></td>
<td></td>
</tr>
</tbody>
</table>
Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.
<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>X</td>
<td></td>
<td></td>
<td>During construction.</td>
</tr>
<tr>
<td>Cultural Resources</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economic</td>
<td>X</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Endangered Species</td>
<td>X</td>
<td></td>
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<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></td>
</tr>
<tr>
<td>Floodplains</td>
<td>X</td>
<td></td>
<td></td>
<td>Site 5 in Zone A</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>
<td></td>
</tr>
<tr>
<td>Land Use Impacts</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Migratory Birds</td>
<td>X</td>
<td></td>
<td></td>
<td>Bird SP required</td>
</tr>
<tr>
<td>Navigation/Coast Guard</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<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>Form NRCS-CPA-106 attached</td>
</tr>
<tr>
<td>Protected Waters</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Recreation Lands</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Water Supply/WHPA</td>
<td>X</td>
<td></td>
<td></td>
<td>WHP SP required</td>
</tr>
<tr>
<td>Relocatees</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 4(f)/6(f)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social</td>
<td>X</td>
<td></td>
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<tr>
<td>Underground Storage Tanks</td>
<td>X</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Visual Impacts</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Stream Impacts</td>
<td>X</td>
<td></td>
<td></td>
<td>Temporary during construction</td>
</tr>
<tr>
<td>Water Quality</td>
<td>X</td>
<td></td>
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<td>Temporary during construction</td>
</tr>
<tr>
<td>Wetlands</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wildlife Refuges</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 401 Water Quality Certification Required?</td>
<td>N</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short-term Activity Authorization Required?</td>
<td></td>
<td>Y</td>
<td></td>
<td>Type NWP 14</td>
</tr>
<tr>
<td>Section 404 Permit Required?</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: 

Signature of Evaluator: [Signature] Date: April 25, 2018
ROADWAY DESIGN REQUEST

Job Number  110574  FAP No. ___________________  County  Cross

Job Name  Hwy. 350 Strs. & Apprs. (S)  

Design Engineer  David Baker  Environmental Staff

Brief Project Description  Replacing 5 bridges, 4 with new bridges, 1 with a box culvert

A. Existing Conditions:
   Roadway Width:  28’  Shoulder Type/Width:  4’ Unpaved
   Number of Lanes and Width:  2 @ 10’  Existing Right-of-Way:  80’
   Sidewalks?  N/A  Location:  _______  Width:  _______
   Bike Lanes?  _______  Location:  _______  Width:  _______

B. Proposed Conditions:
   Roadway Width:  30’  Shoulder Type/Width:  4’2’ Paved
   Number of Lanes and Width:  2 @ 11’  Proposed Right-of-Way:  165’
   Sidewalks?  N/A  Location:  _______  Width:  _______
   Bike Lanes?  _______  Location:  _______  Width:  _______

C. Construction Information:
   If detour:  Where:  Left of Hwy. 350 (Site 3)  Length:  0.206 Miles

D. Design Traffic Data:
   2019  ADT:  400  2039  ADT:  400  % Trucks:  11
   Design Speed:  55  m.p.h.

E. Approximate total length of project:  1.899 mile(s)

F. Justification for proposed improvements:  Existing Structures are Obsolete

G. Total Relocatees:  N/A  Residences:  N/A  Businesses:  N/A

H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)?  No

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<tr>
<th>Agency/Official</th>
<th>Person Contacted</th>
<th>Date</th>
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BRIDGE INFORMATION – PRELIMINARY

Job Number: 110574   FAP Number: NHPP-0019(47)   County: Cross
Job Name: Hwy. 350 Strs. & Apprs. (S)  Design Engineer: Jim Pool
Environmental Staff: Sherry Leblanc/Mickey Matthews

A. Description of Existing Bridge:
1. Bridge Number: M3273 over Lick Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 0.66
4. Type Construction: Three spans where the approach spans have a concrete slab with timber subdeck on timber beams and the main span has a concrete slab with timber subdeck on steel 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:
2. Travel Lanes: Two 11’ lanes
3. Shoulder Width: Two 6’ shoulders
4. Sidewalks? No

C. Construction Information:
1. Location in relation to existing bridge: C.L. new bridge is approx. 40’ upstream of C.L. existing bridge
2. Superstructure Type: 155’ Continuous Composite W-Beam Unit
3. Span Lengths: Three Spans: 50’-55’-50’
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 238 ft No. of Bents inside OHW Contours: 2
7. Is Channel Excavation below OHW Required? No
8. Is Fill below OHW Req’d.? No

D. Work Road Information:
1. Is Work Road(s) required? Yes Location: TBD Top Width: TBD ft
2. Is Fill below OHW required? TBD Surface Area: _________ ft² Volume: _________ yd³
3. Are Pipes required to meet Backwater Criteria? Temporary Pipes for Low Flow Only

E. Detour Information:
1. Is a detour bridge required? NA Location in relation to Existing Br.:
3. Volume of Fill below OHW: _________ yd³ Surface Area: _________ ft²

F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):
Has Bridge Division coordinated with any outside agencies? ________

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BRIDGE INFORMATION – PRELIMINARY

Job Number: 110574  FAP Number: NHPP-0019(47)  County: Cross
Job Name: Hwy. 350 Strs. & Apprs. (S)
Design Engineer: Jim Pool  Environmental Staff: Sherry Leblanc/Mickey Matthews

A. Description of Existing Bridge:
1. Bridge Number M3274 over Lick Creek
2. Location: Rte.: 350  Section: 1  Log Mile: 3.48
4. Type Construction: Concrete slab with timber subdeck on steel beams supported by timber pile bents with timber caps.
5. Deficiencies:
7. Are any Condition Component Ratings at 3 or less? No

B. Proposed Improvements:
2. Travel Lanes: Two 11’ lanes
3. Shoulder Width: Two 6’ shoulders
4. Sidewalks? No  Location: Width: _______ ft

C. Construction Information:
1. Location in relation to existing bridge: C.L. new bridge is approx. 45’ upstream of C.L. existing bridge
2. Superstructure Type: 75’ Simple Composite Integral W-Beam Unit
3. Span Lengths: 75’
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 220  No. of Bents inside OHW Contours: 0
7. Is Channel Excavation below OHW Required? No  Surface Area: ______ ft²  Volume: ______ yd³
8. Is Fill below OHW Req’d.? No  Surface Area: ______ ft²  Volume: ______ yd³

D. Work Road Information:
1. Is Work Road(s) required? Yes  Location: TBD  Top Width: TBD ft
2. Is Fill below OHW required? TBD  Surface Area: ______ ft²  Volume: ______ yd³
3. Are Pipes required to meet Backwater Criteria? Temporary Pipes for Low Flow Only

E. Detour Information:
1. Is a detour bridge required? NA  Location in relation to Existing Br.: _________________
3. Volume of Fill below OHW: ________ yd³  Surface Area: _________________ ft²

F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):
Has Bridge Division coordinated with any outside agencies? ________

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EXISTING BRIDGE INFORMATION (REVISED)

Job Number: 110574   FAP Number: NHPP-0019(47)   County: Cross
Job Name: Hwy. 350 Strs. & Apprs. (S)    Environmental Staff: Sherry Leblanc/Mickey Matthews
Design Engineer: Jim Pool

A. Description of Existing Bridge:
1. Bridge Number M2931 over Unnamed Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 3.94
4. Type Construction: Three spans with a concrete slab with timber subdeck 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.
BRIDGE INFORMATION – PRELIMINARY (REVISED)

Job Number: 110574       FAP Number: NHPP-0019(47)       County: Cross
Job Name: Hwy. 350 Strs. & Apprs. (S)  
Design Engineer: Jim Pool       Environmental Staff: Sherry Leblanc/Mickey Matthews

A. Description of Existing Bridge:
1. Bridge Number M2932 over Unnamed Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 4.35
4. Type Construction: Five spans with a concrete slab with timber subdeck 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:
2. Travel Lanes: Two 11’ lanes
3. Shoulder Width: Two 6’ shoulders
4. Sidewalks? No

C. Construction Information:
1. Location in relation to existing bridge: C.L. new bridge is approx. 40’ upstream of C.L. existing bridge
2. Superstructure Type: 100’ Continuous Composite Integral W-Beam Unit
3. Span Lengths: Three Spans: 30’-40’-30’
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 220 No. of Bents inside OHW Contours: 2
7. Is Channel Excavation below OHW Required? No
8. Is Fill below OHW Req’d.? No
9. Is Riprap below OHW Required? TBD

D. Work Road Information:
1. Is Work Road(s) required? Yes
2. Is Fill below OHW required? TBD
3. Are Pipes required to meet Backwater Criteria? Temporary Pipes for Low Flow Only

E. Detour Information:
1. Is a detour bridge required? NA
2. Length: __________ ft Br. Rdwy. Width: __________ ft Deck Elevation: __________
3. Volume of Fill below OHW: __________ yd³ Surface Area: __________ ft²

F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):
Has Bridge Division coordinated with any outside agencies? ________

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BRIDGE INFORMATION – PRELIMINARY

Job Number: 110574 FAP Number: NHPP-0019(47) County: Cross
Job Name: Hwy. 350 Strs. & Apprs. (S)
Design Engineer: Jim Pool Environmental Staff: Sherry Leblanc/Mickey Matthews

A. Description of Existing Bridge:
1. Bridge Number M2934 over Unnamed Creek
2. Location: Rte.: 350 Section: 1 Log Mile: 5.82
4. Type Construction: Four spans with a concrete slab with timber subdeck 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:
2. Travel Lanes: Two 11' lanes
3. Shoulder Width: Two 6' shoulders
4. Sidewalks? No Location: Width: _______ ft

C. Construction Information:
1. Location in relation to existing bridge: C.L. new bridge is approx. 40’ downstream of C.L. existing bridge
2. Superstructure Type: 75’ Simple Composite Integral W-Beam Unit
3. Span Lengths: 75’
4. Substructure Type: Steel Shell Pile bents (concrete filled).
5. Ordinary High Water Elev. (OHW): 220 No. of Bents inside OHW Contours: 0
8. Is Fill below OHW Req’d.? No Surface Area: _____ ft² Volume: _____ yd³
9. Is Riprap below OHW Required? TBD Volume: TBD yd³

D. Work Road Information:
1. Is Work Road(s) required? Yes Location: TBD Top Width: TBD ft
2. Is Fill below OHW required? TBD Surface Area: _____ ft² Volume: _____ yd³
3. Are Pipes required to meet Backwater Criteria? Temporary Pipes for Low Flow Only

E. Detour Information:
1. Is a detour bridge required? NA Location in relation to Existing Br.: 
2. Length: _____ ft Br. Rdwy. Width: _____ ft Deck Elevation: 
3. Volume of Fill below OHW: ___________ yd³ Surface Area: ___________ ft²

F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):
Has Bridge Division coordinated with any outside agencies? _______

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PCN Checklist

Job Number and Name: 110574 Hwy. 350 Strs. & Apprs. (S)
Natural Resource Employee: Mickey Matthews

(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***

(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>Alum Fork</td>
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<tr>
<td>Big Brushy Creek (Montgomery)</td>
<td>Muddy Fork</td>
<td>Little Red River</td>
<td>Middle Fork</td>
</tr>
<tr>
<td>Black River</td>
<td>Irons Fork (Polk)</td>
<td>Devil’s Fork</td>
<td>Big Creek</td>
</tr>
<tr>
<td>Brush Creek (Perry and Yell)</td>
<td>Ouachita River</td>
<td>Beech Creek</td>
<td>Middle Fork</td>
</tr>
<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>
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<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>
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<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>Straight Slough</td>
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<tr>
<td>Fiddlers Creek (Montgomery and Yell)</td>
<td>Left Hand Chute</td>
<td>Red River</td>
<td>Tyronza River</td>
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<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>
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<tr>
<td>South Fork</td>
<td>Little Brushy Creek (Montgomery)</td>
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☐ 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 of the above?

☐ Yes ☒ No

If yes individual Water Quality Certification Required.

Name of waterbody: ______________________________