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 a weight restricted bridge on Highway 54 in Lincoln County. Total length of the project is 0.019 mile. The attached figure illustrates the project location.

Existing Highway 54 consists of two 10-foot wide travel lanes with no shoulders. The existing bridge (#M1006) has a 24’ x 32’ concrete deck with asphalt overlay on steel girders, with reinforced concrete abutments and wing walls. The bridge has a sufficiency rating of 61.4. There is no right of way of record.

Proposed improvements include a triple 11’ x 5’ x 72’ reinforced concrete box culvert with two 10-foot wide paved travel lanes and 4-foot wide shoulders (2’ paved). The proposed average right of way width will be 125 feet. Approximately 0.76 acre of right of way will be required for this project.

There are no relocations, endangered species, wetlands, floodplains, or environmental justice issues associated with this project. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is attached. Field inspections found no evidence of existing underground storage tanks or hazardous waste
deposits. Approximately 0.28 acre of Prime Farmland will be converted to highway right of way. Form NRCS-CPA-106 is attached.

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>2018</td>
<td>900</td>
<td>4</td>
<td>55 mph</td>
</tr>
<tr>
<td>2038</td>
<td>1,100</td>
<td>4</td>
<td>55 mph</td>
</tr>
</tbody>
</table>

Based upon the ArDOT’s Policy on Highway Traffic Noise Abatement, a noise analysis is not required for this project. This project does not involve added capacity, construction of new through lanes or auxiliary lanes, changes in the horizontal or vertical alignment of the roadway or exposure of noise sensitive land uses to a new or existing highway noise source.

Impacts to Mills Bayou include the construction of a reinforced concrete box culvert, which replaces the existing bridge, and a temporary detour constructed adjacent to the south side of the existing structure. Construction of the proposed project should be allowed under terms of a Section 404 Nationwide Permit 14 for Linear Transportation Projects as defined in the Federal Register 82 (4): 1860-2208. Impacts to Mills Bayou will be less than 0.1 acre and will not require a preconstruction notification for coverage under this permit.

Attachments:
- Project Location Map
- SHPO Clearance
- Form NRCS-CPA-106
- Environmental Study Checklist
- Design Sheet

Approved:

Kevin Thornton
Assistant Chief Engineer-Planning
August 18, 2017

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

RE: ArDOT Job No. 020614
Mills Bayou Str. & Apprs. (S)
Lincoln 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 Kristina Boykin at (501) 569-2079.

Sincerely,

John Fleming
Division Head
Environmental Division

Enclosure
PIF

JF:DW:KB:ym
**FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS**

**PART I (To be completed by Federal Agency)**
- Job 020614
- Date of Land Evaluation Request: 1/4/17
- Sheet 1 of [Sheet]

- **1. Name of Project**: Mills Bayou Sc. & Apprs.
- **2. Type of Project**: Bridge Replacement
- **3. Date Request Received by NRCS**: 1/4/17
- **4. Person Completing Form**: [Name]

**PART II (To be completed by NRCS)**
- **3. Does the corridor contain grade, unique statewide or local important farmland?**
  - [YES] [NO]
- **4. Acres Irrigated | Average Farm Size**: [Acres: %]
- **5. Major Crop(s)**
- **6. Farmable Land in Government Jurisdiction**
- **7. Amount of Farmland As Defined in FPPA**: [Acres: %]
- **8. Name Of Land Evaluation System Used**
- **9. Name of Local Site Assessment System**
- **10. Date Land Evaluation Returned by NRCS**

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

**Alternative Corridor For Segment**

<table>
<thead>
<tr>
<th>Corridors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corridor A</td>
</tr>
</tbody>
</table>

**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)**

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

**TOTAL CORRIDOR ASSESSMENT POINTS**

- **160**

**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**

**Part V (To be completed by Federal Agency)**

- **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** 1/22/18

**NOTE:** Complete a form for each segment with more than one Alternate Corridor
# AHTD Environmental Impacts Assessment Form

**AHTD Job Number:** 020614  
**FAP Number:** NHPP-0040(34)

**Job Title:** Mills Bayou Str. & Apprs. (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>X</td>
<td></td>
<td></td>
<td>Temporary 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>
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<tr>
<td>Endangered Species</td>
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<td></td>
<td></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></td>
</tr>
<tr>
<td>Floodplains</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forest Service Property</td>
<td>X</td>
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<tr>
<td>Hazardous Materials/Landfills</td>
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<tr>
<td>Land Use Impacts</td>
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<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>
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</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>0.28 acres</td>
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</tr>
<tr>
<td>Protected Waters</td>
<td>X</td>
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</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>
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<tr>
<td>Relocatees</td>
<td>X</td>
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<tr>
<td>Section 4(f)/6(f)</td>
<td>X</td>
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<tr>
<td>Social</td>
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<tr>
<td>Underground Storage Tanks</td>
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<tr>
<td>Visual Impacts</td>
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<td></td>
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<tr>
<td>Stream Impacts</td>
<td>X</td>
<td></td>
<td></td>
<td>Temporary impacts during construction</td>
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<tr>
<td>Water Quality</td>
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<td>Temporary impacts during construction</td>
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<td>Wetlands</td>
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<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: NWP 14

**Remarks:**

---

**Signature of Evaluator:**  
Date: January 22, 2018

5/17/2011
**ROADWAY DESIGN REQUEST**

**Job Number** 020614  **FAP No.** NHPP-0040(34)  **County** Lincoln

**Job Name** Mills Bayou Str. & Apprs. (S)

**Design Engineer** Primary Design  **Environmental Staff**

**Brief Project Description** Replaced weight restricted bridge.

**A. Existing Conditions:**

- **Roadway Width:** 20’  
  **Shoulder Type/Width:** N/A  
- **Number of Lanes and Width:** 2-10’  
  **Existing Right-of-Way:** N/A  
- **Sidewalks?** N/A  
  **Location:**  
  **Width:**  
- **Bike Lanes?** N/A  
  **Location:**  
  **Width:**

**B. Proposed Conditions:**

- **Roadway Width:** 20’  
  **Shoulder Type/Width:** 4’(2’ Paved)  
- **Number of Lanes and Width:** 2-10’  
  **Proposed Right-of-Way:** 125’  
- **Sidewalks?** N/A  
  **Location:**  
  **Width:**  
- **Bike Lanes?** N/A  
  **Location:**  
  **Width:**

**C. Construction Information:**

- If detour:  
  **Where:** 77’ Downstream  
  **Length:** 1400’

**D. Design Traffic Data:**

- **2018 ADT:** 900  
  **2038 ADT:** 1100  
  **Design Speed:** 55 m.p.h.

- % Trucks: 4

**E. Approximate total length of project:** 0.019 mile(s)

**F. Justification for proposed improvements:** Replaced weight restricted bridge.

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

**H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)?** N/A

<table>
<thead>
<tr>
<th>Agency/Official</th>
<th>Person Contacted</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

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**Date Sent: December 4, 2017**