October 24, 2017

TO: Master Files

FROM: John Fleming, Division Head, Environmental Division

SUBJECT: Job Number 110615
FAP Number NHPP-0074(35)
Hwy. 33 Str. & Apprs. (S)
Bridge Number M0759
Woodruff 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 a substandard bridge over an unnamed ditch on Highway 33 in Woodruff County. The total length of the project is 0.053 mile. A project location map is attached.

The existing roadway consists of two 10-foot wide paved travel lanes with no shoulders. Existing right of way width is approximately 100 feet. The existing 22’ x 25’ bridge (M0759) consists of a one span concrete slab supported on concrete abutments. This bridge has a sufficiency rating of 43.6 and is structurally deficient.

Proposed improvements include replacing the existing bridge with a double 10’ x 6’ x 60’ R.C. box culvert at the location of the existing bridge. The bridge approaches will have two 11-foot travel lanes and 6-foot shoulders. The new
average right of way width will be 170 feet. A temporary detour will be located immediately west of the existing bridge.

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>2017</td>
<td>430</td>
<td>15</td>
<td>55 mph</td>
</tr>
<tr>
<td>2037</td>
<td>440</td>
<td>15</td>
<td>55 mph</td>
</tr>
</tbody>
</table>

There are no relocations, environmental justice issues, hazardous materials, wetlands, or cultural resources associated with this project. Concurrence from the State Historic Preservation Officer is attached. Approximately 0.32 acre of additional right of way will be required for this project, of which 0.08 acre is prime farmland. Form NRCS-CPA-106 is attached.

Woodruff County participates in the National Flood Insurance Program. All of the floodplain encroachments within this highway construction project will be designed to comply with the county's local flood damage prevention ordinance. The unnamed ditch is located within a Zone A Special Flood Hazard Area as designated by the National Flood Insurance Program. 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.

There are no wetland impacts due to construction of this project. Impacts to the unnamed intermittent tributary are estimated to be less than 0.1 acre. Construction should be allowed under the terms of a Nationwide 14 Permit for Linear Transportation Projects as defined in the Federal Register 82 (4):1860 - 2008.

The United States Fish and Wildlife Service (USFWS) IPaC Species List identified two endangered species and two threatened species that may occur within the project area. The Ivory-billed woodpecker (*Campephilus principalis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), and
pondberry (*Lindera melissifolia*) were identified as possibly occurring within the project area. Based on the lack of habitat and distance to known species, it is our determination that the project will have no effect on the listed species.

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

Approved:

Kevin Thornton
Assistant Chief Engineer-Planning

JF:SL:fc

c: Program Management
- Right of Way
- Roadway Design
- District 1
- FHWA
- Master File
October 18, 2017

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

RE: Woodruff County – General
Section 106 Review – FHWA
Request for Technical Assistance
ARDOT Job Number 110615
Hwy. 33 Str. & Apprs. (S)
AHPP Tracking Number 99484

Dear Mr. Fleming:

The staff of the Arkansas Historic Preservation Program has reviewed the documents included with your letter of October 16, 2107. Since no cultural resources were encountered during the survey for the temporary detour facility for this undertaking and ArDOT Bridge Number M0759 has been determined not eligible for listing in the National Register of Historic Places (NRHP), we concur that there will be no effect to historic properties as a result of this undertaking.

Tribes that have expressed an interest in the area include the Cherokee Nation (Ms. Elizabeth Toombs), the Chickasaw Nation (Ms. Karen Brunso), the Choctaw Nation of Oklahoma (Dr. Ian Thompson), the Osage Nation (Dr. Andrea Hunter), the Quapaw Tribe of Oklahoma (Mr. Everett Bandy), and the Shawnee Tribe of Oklahoma (Ms. Kim Jumper). 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)-324-9357.

Sincerely,

[Signature]

Stacy Hurst
Director and State Historic Preservation Officer

cc: Mr. Randal Looney, Federal Highway Administration
    Dr. Andrea Hunter, Osage Nation
    Dr. Ann Early, Arkansas Archeological Survey
### PART I (To be completed by Federal Agency)

- **Job:** 110615
- **Date:** 9/14/17

#### Name of Project
- **Hwy. 33 St. Apprs.**

#### Type of Project
- **Bridge replacement**

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

#### Person Completing Form
- **Date Request Received by NRCS:**
- **Person Completing Form:**

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

#### Major Crop(s)
- **Farmable Land in Government Jurisdiction**
  - **Acres:**
  - **%**

#### Name Of Land Evaluation System Used
- **Name of Local Site Assessment System**

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

- **Total Acres To Be Converted Directly**
- **Total Acres To Be Converted Indirectly, Or To Receive Services**
- **Total Acres In Corridor**

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

- **Total Acres Prima And Unique Farmland**
- **Total Acres Statewide And Local Important Farmland**
- **Percentage Of Farmland In County Or Local Govt. Unit To Be Converted**
- **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 565.5(c))

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Maximum Points</th>
<th>Corridor A</th>
<th>Corridor B</th>
<th>Corridor C</th>
<th>Corridor D</th>
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</thead>
<tbody>
<tr>
<td>1. Area in Nonurban Use</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
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<tr>
<td>2. Perimeter in Nonurban Use</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>3. Percent Of Corridor Being Farmed</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>4. Protection Provided By State And Local Government</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>5. Size of Present Farm Unit Compared To Average</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>7. Availability Of Farm Support Services</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>8. On-Farm Investments</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>10. Compatibility With Existing Agricultural Use</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td><strong>TOTAL CORRIDOR ASSESSMENT POINTS</strong></td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>160</td>
</tr>
</tbody>
</table>

### 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):**

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

- **260**

5. **Reason For Selection:**

Signature of Person Completing this Part: [Signature]

**DATE:** 10/24/17

**NOTE:** Complete a form for each segment with more than one Alternate Corridor.
In Reply Refer To:  Consultation Code: 04ER1000-2017-SLI-1075
Event Code: 04ER1000-2017-E-01595
Project Name: Hwy. 33 Str. & Apprs.

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 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

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-1075
Event Code: 04ER1000-2017-E-01595
Project Name: Hwy. 33 Str. & Apprs.
Project Type: TRANSPORTATION
Project Description: replace existing bridge with a structurally sufficient structure

Project Location:
Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/35.01002927919082N91.36462142999484W

Counties: Prairie, AR | Woodruff, AR
**Endangered Species Act Species**

There is a total of 4 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.

**Birds**

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ivory-billed Woodpecker <em>Campephilus principalis</em></td>
<td>Endangered</td>
</tr>
<tr>
<td></td>
<td>No critical habitat has been designated for this species.</td>
</tr>
<tr>
<td>Species profile:</td>
<td></td>
</tr>
<tr>
<td><a href="https://ecos.fws.gov/ecp/species/8230">https://ecos.fws.gov/ecp/species/8230</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Piping Plover <em>Charadrius melodus</em></th>
<th>Threatened</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population: except Great Lakes watershed</td>
<td></td>
</tr>
<tr>
<td>There is a final critical habitat designated for this species. Your location is outside the designated critical habitat.</td>
<td></td>
</tr>
<tr>
<td>Species profile:</td>
<td></td>
</tr>
<tr>
<td><a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Red Knot <em>Calidris canutus rufa</em></th>
<th>Threatened</th>
</tr>
</thead>
<tbody>
<tr>
<td>No critical habitat has been designated for this species.</td>
<td></td>
</tr>
<tr>
<td>Species profile:</td>
<td></td>
</tr>
<tr>
<td><a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a></td>
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</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>
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<tr>
<td>Species profile:</td>
<td></td>
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<td><a href="https://ecos.fws.gov/ecp/species/1279">https://ecos.fws.gov/ecp/species/1279</a></td>
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</tbody>
</table>

**Critical habitats**

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

**ARDOT:** 110615  
**FAP Number:** NHPP-0074(35)  
**Job Title:** Hwy. 33 Str. & Apprs.

<table>
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<tr>
<th>Environmental Impacts</th>
<th>None</th>
<th>Minor</th>
<th>Significant</th>
<th>Comments</th>
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<td>Air Quality</td>
<td>X</td>
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<tr>
<td>Construction Impacts</td>
<td>X</td>
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<td>During construction</td>
</tr>
<tr>
<td>Cultural Resources</td>
<td>X</td>
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<tr>
<td>Economic</td>
<td>X</td>
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<tr>
<td>Endangered Species</td>
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<tr>
<td>Energy Resources</td>
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<tr>
<td>Environmental Justice/Title VI</td>
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<tr>
<td>Fish and Wildlife</td>
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<td>During construction</td>
</tr>
<tr>
<td>Floodplains</td>
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<td></td>
<td></td>
<td>Zone A Flood impact statement</td>
</tr>
<tr>
<td>Forest Service Property</td>
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<tr>
<td>Hazardous Materials/Landfills</td>
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<td>Land Use Impacts</td>
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<td></td>
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<tr>
<td>Migratory Birds</td>
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<td></td>
<td>Migratory Bird SP included</td>
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<tr>
<td>Navigation/Coast Guard</td>
<td>X</td>
<td></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>Form NRCS-CPA-106 is attached</td>
</tr>
<tr>
<td>Protected Waters</td>
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<tr>
<td>Public Recreation Lands</td>
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<tr>
<td>Public Water Supply/WHPA</td>
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<td>Relocatees</td>
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<td>Underground Storage Tanks</td>
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<td>Visual Impacts</td>
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<td>Stream Impacts</td>
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<td>During construction</td>
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<tr>
<td>Water Quality</td>
<td>X</td>
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<td>During construction</td>
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<tr>
<td>Wetlands</td>
<td>X</td>
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<tr>
<td>Wildlife Refuges</td>
<td>X</td>
<td></td>
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</table>

Section 401 Water Quality Certification Required?  
---  
Short-term Activity Authorization Required?  
---  
Section 404 Permit Required?  
---

Remarks:

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Signature of Evaluator:  

Date: October 23, 2017

5/17/2011
ROADWAY DESIGN REQUEST

Job Number: 110615  FAP No.  __________________________  County: Woodruff

Job Name: Hwy. 33 Str. & Apprs. (S)

Design Engineer: Mark Earl  Environmental Staff: ________________

Brief Project Description: Structure replacement

A. Existing Conditions:

Roadway Width: 20'  Shoulder Type/Width: none

Number of Lanes and Width: 2-10'  Existing Right-of-Way: 100'

Sidewalks? no  Location:  Width: __________

Bike Lanes? no  Location:  Width: __________

B. Proposed Conditions:

Roadway Width: 22’  Shoulder Type/Width: 2’ paved 4’ agg.

Number of Lanes and Width: 2 – 11’  Proposed Right-of-Way: 170’

Sidewalks? no  Location:  Width: __________

Bike Lanes? no  Location:  Width: __________

C. Construction Information:

If detour: Where: On site left side  Length: 718’

D. Design Traffic Data:

2017 ADT: 430  2037 ADT: 440  % Trucks: 15

Design Speed: 55 m.p.h.

E. Approximate total length of project: 0.053 mile(s)

F. Justification for proposed improvements: Structure is deficient

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

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

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