


ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

INTER OFFICE MEMORANDUM

June 15, 2017

TO: Master Files

FROM: John Fleming, Division Head, Environmental Division 

SUBJECT: AHTD Job Number 110644
FAP Number NHPP-0019(41)
Drainage Ditch Str. & Apprs. (S)
Bridge Number 02569
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 AHTD/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 with a box culvert on a drainage ditch on Highway 75 in Cross County, Arkansas. Highway 75 is a detour route for Interstate 55. The total length of the project is approximately 0.032 mile. A project location map is attached.

Highway 75 consists of two 11-foot paved travel lanes with 3-foot shoulders. The existing right of way width is approximately 80 feet.

The existing 41' x 27' bridge (No. 02569) consists of one span composed of steel girders with a deck supported by timber pile bents. The bridge has a qualifying code of Not Deficient (ND) and a sufficiency rating of 58.5.

The bridge will be replaced on existing location with a triple 9' x 6' x 84' reinforced concrete box culvert. The new approaches will consist of two 11-foot wide paved travel lanes with 4-foot wide shoulders. A temporary detour west of the alignment will be

utilized during construction. The new right of way width will be 185 feet. Approximately 0.55 acre of additional right of way and 0.97 acre of temporary construction easement will be required for this project.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2018	540	4	55 mph
2038	650	4	55 mph

No environmental justice issues, hazardous waste deposits, prime farmland, relocatees, protected waters, endangered species, or underground storage tanks are associated with this project. Cultural resource impacts are not anticipated; concurrence from the State Historic Preservation Officer is attached.

Wetland impacts are estimated to be 0.3 acre, and impacts to waters of the United States are estimated to be less than 0.5 acre as well. Compensatory mitigation will be provided at the Glaise Creek Mitigation Bank. Construction should be allowed under the terms of a Nationwide 14 Section 404 Clean Water Act Permit for Linear Transportation Projects as defined in the Federal Register 82(4):1860-2008.

A floodplain permit will be required. Cross 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 project lies 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 AHTD's *Policy on Highway Traffic Noise Abatement*, a noise analysis is not required for this project. The project meets the criteria for a Type III project established in 23 CFR 772. Therefore, the project requires no analysis for highway traffic noise impacts. Type III projects do 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

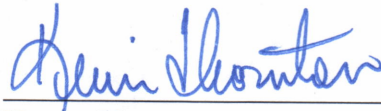
AHTD Job Number 110644
Tier 2 Categorical Exclusion
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noise source. AHTD acknowledges that a noise analysis is required if changes to the proposed project result in reclassification to a Type I project.

Attachments:

Project Location Map
SHPO Clearance
Environmental Study Checklist
Design Sheet

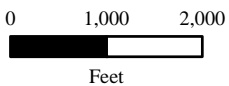
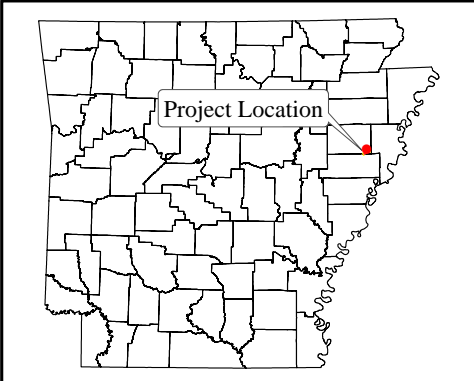
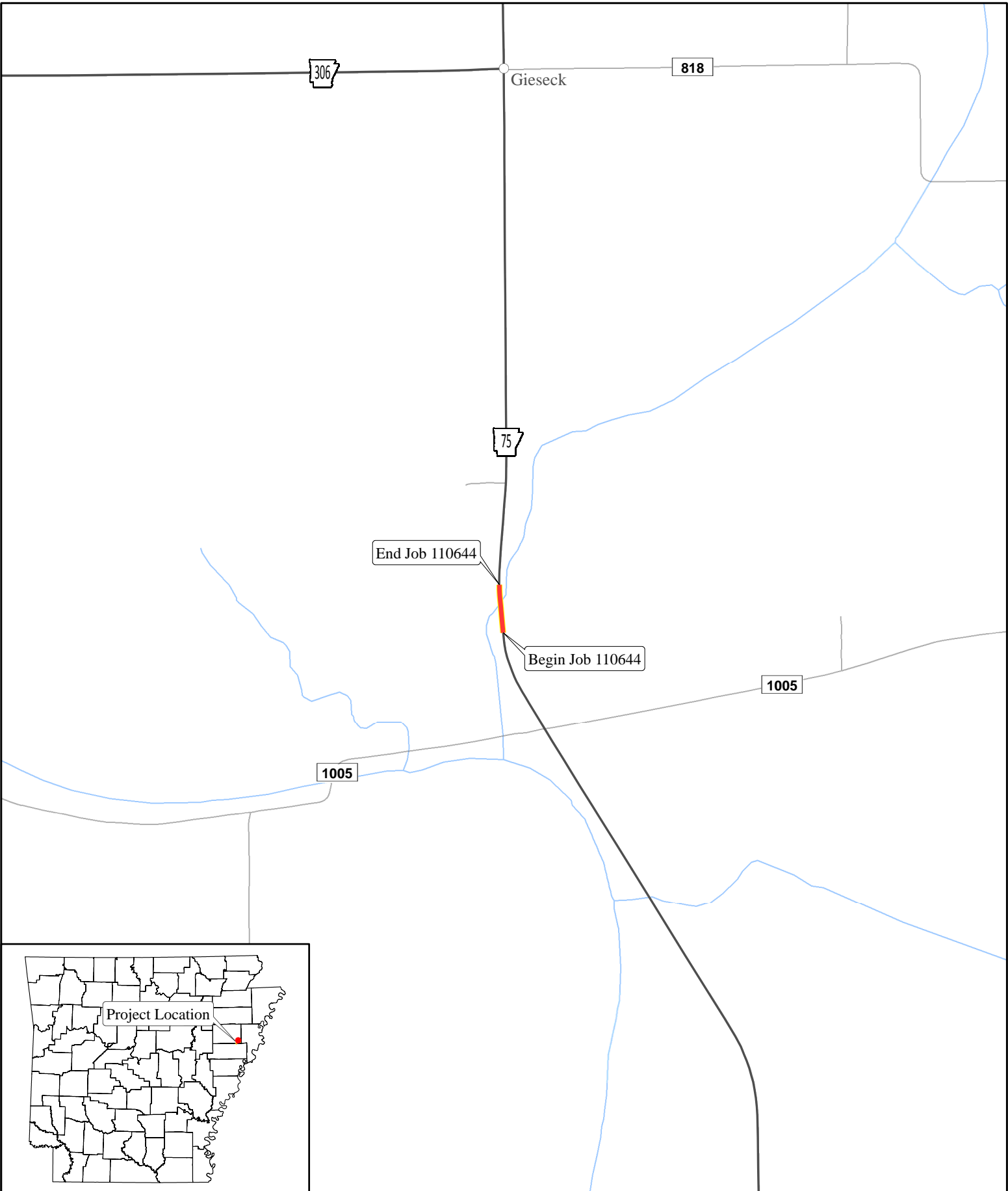
Approved:



Kevin Thornton
Assistant Chief Engineer-Planning

JF:KS:fc

c: Program Management
Right of Way
Roadway Design
District 1
FHWA
Master File



AHTD-Environmental GIS-Hopkins
May 19, 2017

Job 110644
Drainage Ditch Str. & Apprs.
(Hwy. 75)
Cross County

 Project Location



THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

Arkansas Arts Council

Arkansas Natural
Heritage Commission

Arkansas State Archives

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars
Cultural Center

Old State House Museum

June 1, 2017

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

RECEIVED
AHTD
JUN 06 2017
ENVIRONMENTAL
DIVISION

RE: Cross County – General
Section 106 Review – FHWA
Request for Technical Assistance
AHTD Job Number 110644
Drainage Ditch Strs. & Apprs. (S)
AHPP Tracking Number 98437

Dear Mr. Fleming:

This letter is written in response to your inquiry regarding properties of archeological, architectural, or historical significance in the area of the proposed referenced project. The staff of the Arkansas Historic Preservation Program has reviewed the documents for the structures included in your letter of May 31, 2017.

We concur that the bridge (AHTD Bridge Number 2569) to be replaced is not eligible for inclusion in the National Register of Historic Places (NRHP) and that the undertaking will have no effect on historic properties.

Tribes that have expressed an interest in the area include 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,

Marian Boyd
Interim Director, AHPP

cc: Mr. Randal Looney, Federal Highway Administration
Dr. Andrea Hunter, Osage Nation
Dr. Ann Early, Arkansas Archeological Survey



ARKANSAS HISTORIC
PRESERVATION PROGRAM



1100 North Street
Little Rock, AR 72201

(501) 324-9880
fax: (501) 324-9184
tdd: 711

e-mail:

info@arkansaspreservation.org

website:

www.arkansaspreservation.com

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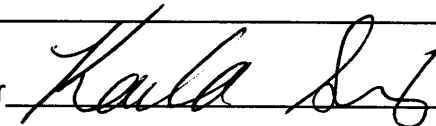
AHTD ENVIRONMENTAL IMPACTS ASSESSMENT FORM

AHTD Job Number 110644 FAP Number NHPP-0019(41)
 Job Title Drainage Ditch Str. & Apprs. (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary during construction
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		Temporary during construction
Floodplains		X		
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds	X			
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland	X			
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			
Relocatees	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts		X		Nationwide 14 Permit
Water Quality		X		Temporary during construction
Wetlands		X		
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? No
 Short-term Activity Authorization Required? Yes
 Section 404 Permit Required? Yes Type Nationwide 14

Remarks: _____

Signature of Evaluator  Date 6/7/2017

ROADWAY DESIGN REQUESTJob Number 110644 FAP No. NHPP-0019(41) County CrossJob Name Drainage Ditch Str. & Apprs. (S)Design Engineer Primary Design Environmental Staff _____Brief Project Description To replace a bridge structure with a Triple R.C. Box Culvert

A. Existing Conditions:

Roadway Width: 22' Shoulder Type/Width: 3' Asph.Number of Lanes and Width: 2-11' Existing Right-of-Way: 80'

Sidewalks? _____ Location: _____ Width: _____

Bike Lanes? _____ Location: _____ Width: _____

B. Proposed Conditions:

Roadway Width: 22' Shoulder Type/Width: 4' Asph.Number of Lanes and Width: 2- 11' Proposed Right-of-Way: 185'

Sidewalks? _____ Location: _____ Width: _____

Bike Lanes? _____ Location: _____ Width: _____

C. Construction Information:

If detour: Where: Lt. side of C. L. Length: 855'

D. Design Traffic Data:

2018 ADT: 540 2038 ADT: 650 % Trucks: 4Design Speed: 55 m.p.h.E. Approximate total length of project: 0.032 mile(s)F. Justification for proposed improvements: Deficient bridge structureG. Total Relocates: N/A Residences: N/A Businesses: N/AH. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? NO

Agency/Official	Person Contacted	Date