

# ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

Scott E. Bennett  
Director  
Telephone (501) 569-2000  
Voice/TTY 711



P.O. Box 2261  
Little Rock, Arkansas 72203-2261  
Telefax (501) 569-2400  
www.arkansashighways.com

January 18, 2017

Mr. Angel Correa  
Division Administrator  
Federal Highway Administration  
700 West Capitol, Room 3130  
Little Rock, Arkansas 72201-3298

Re: Job Number CA0706  
FAP Number ACNHPP-0070(36)  
Bridge Number 02605  
Airport Drive – Hwy. 82B  
Union County  
Tier 3 Categorical Exclusion

Dear Mr. Correa:

The Environmental Division has reviewed the referenced project and it falls within the definition of the Tier 3 Categorical Exclusion as defined by the AHTD/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 widen Highway 82 from Airport Drive to Highway 82B and replace the bridge over Cornie Bayou in Union County. Total length of the project is 6.11 miles. The enclosed figure illustrates the project location.

The existing roadway consists of two 12-foot wide paved travel lanes with 8-foot wide shoulders. Existing right of way width is 120 feet. The existing bridge (#02605) is

75' x 31.5' and consists of reinforced concrete slab spans supported by concrete pile bents. This bridge is non qualifying and has a sufficiency rating of 62.4.

Proposed improvements for the rural section from Airport Road to Highway 335 South include four 12-foot wide paved travel lanes with 8-foot wide shoulders and an 11-foot wide painted median. The proposed urban section from Highway 335 South to Highway 82B will include four 11-foot wide paved travel lanes, a 12-foot wide turn lane, and curb and gutter with 5-foot sidewalks. The new bridge over Cornie Bayou includes a 101' x 78.2' continuous composite integral W-Beam unit supported by steel shell pile bents with encasements at intermediate bents. The new right of way width will average 160 feet in the rural section and 125 feet in the urban section. Approximately 21.8 acres of additional right of way will be required for this project.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2016	5,600	20	60 mph rural 45 mph urban
2036	7,300	20	60 mph rural 45 mph urban

There are no endangered species or environmental justice issues associated with this project. No impacts to cultural resources are anticipated; concurrence from the State Historic Preservation Officer is enclosed. Field inspections found no evidence of existing underground storage tanks or hazardous waste deposits. Approximately 0.1 acre of Prime Farmland and 9.9 acres of Farmland of Statewide importance will be converted to highway right of way. Form NRCS-CPA-106 is enclosed. Noise predictions have been made for this project utilizing the Federal Highway Administration's Traffic Noise Model 2.5 procedures. A noise assessment is enclosed.

One residential owner, two residential tenants, and one landlord business will be relocated as a result of this project. Public Law 91-646, Uniform Relocation Assistance Act of 1970, as amended, will apply.

The project area lies within the current range of the federally listed red-cockaded woodpecker (*Picoides borealis*). Due to the lack of suitable habitat present within the project area, a determination was made that the project is not likely to adversely affect the listed species. The US Fish and Wildlife Service concurred on April 11, 2016.

Permanent wetland impacts are estimated at 1.18 acres, and permanent stream impacts to Cornie Bayou are estimated to be less than 0.2 acre. Construction of the proposed project should be allowed under the terms of a Nationwide Permit 23 for Approved Categorical Exclusions.

Union County and the City of El Dorado participate 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 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.

A public involvement meeting for this project was held on March 3, 2016, in El Dorado. Due to design changes, another public involvement meeting was held on October 18, 2016, in El Dorado Arkansas. The two public involvement synopses are enclosed.

If you have any questions, please contact the Environmental Division at 569-2281.

**APPROVED**  
  
\_\_\_\_\_  
Environmental Specialist  
Federal Highway Administration  
Date: 2/6/2017

Sincerely,

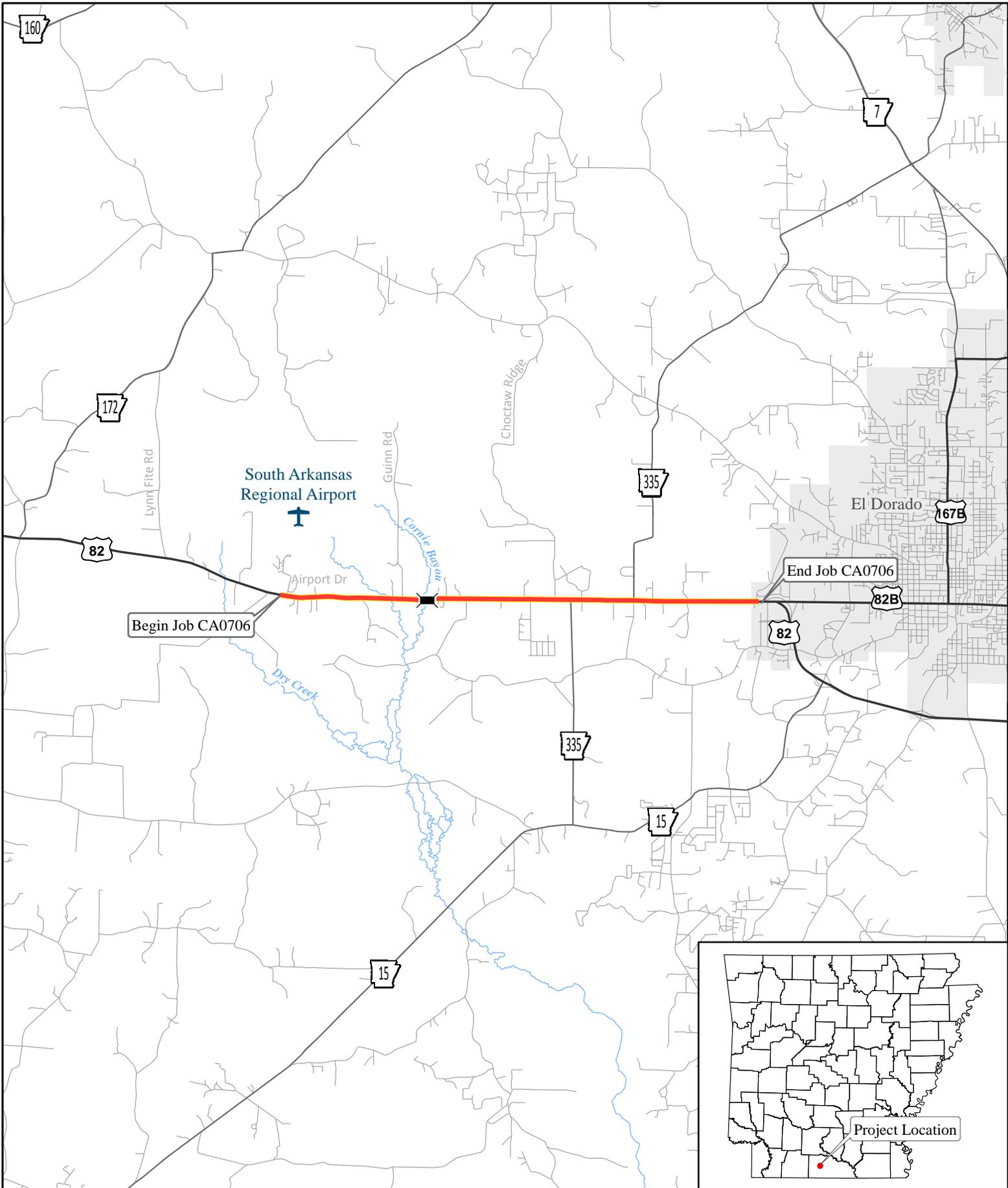


John Fleming  
Division Head  
Environmental Division

Enclosures

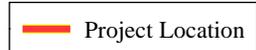
JF:JB:fc

c: Program Management  
Right of Way  
Roadway Design  
District 7  
Master File



AHTD-Environmental GIS-Hopkins  
April 14, 2016

**Job CA0706**  
**Airport Dr.-Hwy. 82B**  
**(Widening) (Hwy. 82)**  
**Union County**



ARKANSAS STATE HIGHWAY  
AND  
TRANSPORTATION DEPARTMENT

82597.03  
FHWA

Scott E. Bennett  
Director  
Telephone (501) 569-2000  
Voice/TTY 711



P.O. Box 2261  
Little Rock, Arkansas 72203-2261  
Telefax (501) 569-2400  
www.arkansashighways.com

March 30, 2016

Mr. Robert Scoggin  
Arkansas Historic Preservation Program  
323 Center Street, Suite 1500  
Little Rock, Arkansas 72201

RECEIVED  
AHTD

APR 28 2016

ENVIRONMENTAL  
DIVISION

AHPP

APR 06 2016

RE: AHTD Job No. CA0706  
Airport Dr.-Hwy. 82  
(Widening) (S)  
Union County

Dear Mr. Scoggin:

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,

A handwritten signature in blue ink that reads 'John Fleming'.

John Fleming  
Division Head  
Environmental Division

JF:DW:JE

Enclosure  
PIF

Date **APR 26 2016**  
No known historic properties will be  
affected by this undertaking. This  
effect determination could change  
should new information come to light.  
A handwritten signature in blue ink that reads 'Frances McSwain'.  
Frances McSwain, Deputy  
Historic Preservation Officer

ARKANSAS STATE HIGHWAY  
AND  
TRANSPORTATION DEPARTMENT

82598.04

FHW4

AHPP

SEP 23 2016

Scott E. Bennett  
Director  
Telephone (501) 569-2000  
Voice/TTY 711



P.O. Box 2261  
Little Rock, Arkansas 72203-2261  
Telefax (501) 569-2400  
www.arkansashighways.com

September 22, 2016

Mr. Robert Scoggin  
Arkansas Historic Preservation Program  
1100 North Street  
Little Rock, Arkansas 72201

RECEIVED  
AHTD

SEP 27 2016

ENVIRONMENTAL  
DIVISION

RE: AHTD Job No. CA0706  
Airport Dr.-Hwy. 82 (Widening) (S)  
Union County

Dear Mr. Scoggin:

An Addendum to the 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,

*Brenda Price*  
for John Fleming  
Division Head  
Environmental Division

JF:DW:JE:ym

Enclosure  
PIF

SEP 26 2016  
Date  
No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.  
*Frances McSwain*  
Frances McSwain, Deputy State  
Historic Preservation Officer

**FARMLAND CONVERSION IMPACT RATING  
FOR CORRIDOR TYPE PROJECTS**

<b>PART I (To be completed by Federal Agency)</b> Job CA0706		3. Date of Land Evaluation Request 1/4/2017	4. Sheet 1 of _____
1. Name of Project Airport Dr. - Hwy. 82B (Widening)		5. Federal Agency Involved FHWA	
2. Type of Project Widening		6. County and State Union AR	
<b>PART II (To be completed by NRCS)</b>		1. Date Request Received by NRCS	2. Person Completing Form
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		10. Date Land Evaluation Returned by NRCS

<b>PART III (To be completed by Federal Agency)</b>	<b>Alternative Corridor For Segment</b>			
	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres To Be Converted Directly				
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor				

<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
A. Total Acres Prime And Unique Farmland	.1			
B. Total Acres Statewide And Local Important Farmland	9.9			
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				

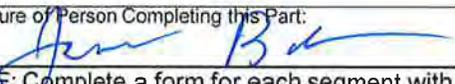
**PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)**

<b>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</b>	Maximum Points			
1. Area in Nonurban Use	15	10		
2. Perimeter in Nonurban Use	10	5		
3. Percent Of Corridor Being Farmed	20	5		
4. Protection Provided By State And Local Government	20	0		
5. Size of Present Farm Unit Compared To Average	10	0		
6. Creation Of Nonfarmable Farmland	25	0		
7. Availability Of Farm Support Services	5	5		
8. On-Farm Investments	20	0		
9. Effects Of Conversion On Farm Support Services	25	0		
10. Compatibility With Existing Agricultural Use	10	0		
<b>TOTAL CORRIDOR ASSESSMENT POINTS</b>	<b>160</b>	<b>25</b>		

<b>PART VII (To be completed by Federal Agency)</b>				
Relative Value Of Farmland (From Part V)	100	100		
Total Corridor Assessment (From Part VI above or a local site assessment)	160	25		
<b>TOTAL POINTS (Total of above 2 lines)</b>	<b>260</b>	<b>125</b>		

1. Corridor Selected: <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing	2. Total Acres of Farmlands to be Converted by Project: .1 acres of Prime Farmland & 9.9 acres of Statewide Importance	3. Date Of Selection;	4. Was A Local Site Assessment Used?  YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part:  DATE 1/18/17

**NOTE: Complete a form for each segment with more than one Alternate Corridor**

## **AHTD JOB NUMBER CA0706**

### **NOISE ANALYSIS**

#### ***Fundamentals of Sound and Noise***

“Noise” is defined as an unwanted sound. Sounds are described as noise if they interfere with an activity or disturb the person hearing them. Sound is measured in a logarithmic unit called a decibel (dB). The human ear is more sensitive to middle and high frequency sounds than it is to low frequency sounds, so sound levels are weighted to more closely reflect human perceptions. These “A-weighted” sounds are measured using the decibel unit dB(A). Because the dB(A) is based on a logarithmic scale, a 10 dB(A) increase in sound level is generally perceived as twice as loud while a 3 dB(A) increase is just barely perceptible to the human ear.

Sound levels fluctuate with time depending on the sources of the sound audible at a specific location. In addition, the degree of annoyance associated with certain sounds varies by time of day, depending on other ambient sounds affecting the listener and the activities of the listener. The time-varying fluctuations in sound levels at a fixed location can be quite complex, so they are typically reported using statistical or mathematical descriptors that are a function of sound intensity and time. A commonly used descriptor of the equivalent sound level is  $Leq$ , which represents the equivalent of a steady, unvarying level over a defined period of time containing the same level of sound energy as the time varying noise environment.  $Leq(h)$  is a sound level averaged over one hour. For highway projects, the  $Leq(h)$  is commonly used to describe traffic-generated sound levels at locations of outdoor human use and activity (such as residences).

#### ***Noise Impact Criteria***

Traffic noise impacts take place when the predicted traffic noise levels approach or exceed the noise abatement standard, or when the predicted traffic noise levels exceed the existing noise level by ten dB(A) (decibels on the A-scale). The noise abatement standard of 67 dB(A) is used for sensitive noise receptors such as residences, schools, churches, cemeteries and parks. The term “approach” is considered to be one dB(A) less than the noise abatement standard.

The number of noise receptors was estimated for this project utilizing the Federal Highway Administration’s Traffic Noise Model 2.5, existing and proposed roadway information, existing traffic information, and projected traffic levels for 2038.

#### ***Traffic noise analyses***

Traffic noise analyses were performed for the project utilizing a roadway cross-section for Highway 82 consisting of four 12-foot paved travel lanes, one 11-foot turn lane, and paved shoulder widths of 8 feet in the rural section of the project. A roadway

cross-section for Highway 82 consisting of four 11-foot paved travel lanes, one 12-foot turn lane and curb and gutter was also analyzed for noise.

### ***Effects of Project***

The traffic noise estimates for the project resulted in a noise abatement distance of 178 feet from the centerline of Highway 82 in the rural section of the project area and a distance of 253 feet in the urban section. Approximately 57 sensitive receptors could be affected by future noise levels greater than 66 dB(A).

### ***Traffic Noise Abatement***

Since noise impacts are predicted within 500 feet of the proposed project, the feasibility and reasonableness of potential noise abatement measures must be evaluated. Based upon AHTD's "Policy on Highway Traffic Noise Abatement", any noise abatement effort using barrier walls or berms is not warranted for this project. In order to provide direct access to the highway from adjacent properties, breaks in the barrier walls or berms would be required. These necessary breaks for highway access would render any noise barrier ineffective.

To avoid noise levels in excess of design levels, any future receptors should be located a minimum of 10 feet beyond the distance that the noise abatement standard is projected to occur. This distance should be used as a general guide and not a specific rule since the noise will vary depending upon the roadway grades and other noise contributions.

Any excessive project noise, due to construction operations, should be of short duration and have a minimum adverse effect on land uses or activities associated with this project area.

In compliance with Federal guidelines, a copy of this analysis will be transmitted to the South West Arkansas Planning and Development District for possible use in present and future land use planning.

## PUBLIC INVOLVEMENT SYNOPSIS

**Job Number CA0706**  
**Airport Dr. – Hwy. 82B (Widening) (Hwy. 82)**  
**Union County**  
**Thursday, March 3, 2016**

An open forum Public Involvement Meeting for the proposed project was held at the Wyatt Baptist Church (Fellowship Hall) from 4:00 – 7:00 p.m. on Thursday, March 3, 2016. Special efforts to involve minorities and the public in the meeting included the following:

- Display advertisement placed in the *El Dorado News-Times* on Sunday, February 21, 2016 and Sunday, February 28, 2016.
- Public Service Announcement (PSA) to *KMGC Magic 104.5 FM* which aired on Monday, February, 29, 2016 through Thursday, March 3, 2016.
- Outreach to Minority Minister Letters.
- Distribution of flyers in the project area.

The following information was available for inspection and comment:

- Displays including an aerial photograph at a scale of 1 inch equals 1000 feet.
- Preliminary plans at a scale of 1 inch equals 100 feet.

Handouts for the public included a comment sheet and a small-scale map illustrating the project location, which was identical to the aerial photograph display. Copies of the handouts are attached.

Table 1 describes the results of the public participation at the meeting.

<b>TABLE 1</b>	
<b>Public Participation</b>	<b>Totals</b>
Attendance at meeting (including AHTD staff)	168
Comment forms received	32

*AHTD staff reviewed all comments received and evaluated their contents. The summary of comments listed below reflects the personal perception or opinion of the person or organization making the statement. The sequencing of the comments is random and is not intended to reflect importance or numerical values. Some of the comments were combined and/or paraphrased to simplify the synopsis process.*

An analysis of the responses received as a result of the public survey is shown in Table 2.

<b>TABLE 2</b>	
<b>Survey Results</b>	<b>Totals</b>
Supports widening Highway 82	18
Does not support widening Highway 82	12
No response to supports/does not support question	2
Knowledge of historical, archeological or cemetery sites	1
Knowledge of area environmental constraints	2
Home or property offers limitations to the project	4
Suggestions to better serve the needs of the community	11
Beneficial impacts due to the proposed project	12
Adverse impacts due to the proposed project	8
No response to beneficial/adverse impacts	12

The following is a listing of comments concerning issues associated with this project:

- Ten individuals were concerned about damage to their home and property.
- Two individuals wanted a traffic light at Highway 82 and Highway 335.
- Two individuals wanted Highway 82 widened to Magnolia, Crossett and Texarkana.
- One individual commented it needed to be three lanes instead of four.
- Two individuals indicated only passing lanes were needed.
- One individual commented that a bypass was needed on the west side of El Dorado.
- One individual wanted bicycle lanes to Hillsboro.
- Five individuals commented there was not enough traffic and it was a waste of money.
- Five individuals commented on utility disruption along the highway.
- One individual commented on the (Historical, Archeological or Cemetery Sites) question, indicated Indian mounds on his property.
- Three individuals commented on the (Knowledge of Environmental Constraints) question. Two indicated that an old well was near the proposed right of way and one indicated archeological artifacts and burials were found on his property.

Attachments:

Public handouts, including blank comment form

Small-scale display copies

RJ: ES

DN: DW

JB: cb

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (AHTD)**

**CITIZEN COMMENT FORM**

**AHTD JOB NUMBER CA0706  
Airport Dr.-Hwy. 82B (Hwy. 82 Widening)  
UNION COUNTY**

**LOCATION:  
WYATT BAPTIST CHURCH (FELLOWSHIP HALL)  
4621 HILLSBORO ST.  
EL DORADO, AR  
4:00 – 7:00 P.M.  
THURSDAY, MARCH 3, 2016**

Make your comments on this form and leave it with AHTD personnel at the meeting or mail it within 15 days to: Arkansas State Highway and Transportation Department, Environmental Division, Post Office Box 2261, Little Rock, Arkansas 72203-2261.  
Email: [environmentalmeetings@ahtd.ar.gov](mailto:environmentalmeetings@ahtd.ar.gov).

- |                          |                          |   |
|--------------------------|--------------------------|---|
| Yes                      | No                       |   |
| <input type="checkbox"/> | <input type="checkbox"/> | Do you feel there is a need to widen Highway 82 between Airport Rd. and Hwy. 82B? Comment (optional) _____<br>_____<br>_____  |
| <input type="checkbox"/> | <input type="checkbox"/> | Do you know of any historical sites, family cemeteries, or archaeological sites in the project area? Please note and discuss with staff. _____<br>_____<br>_____  |
| <input type="checkbox"/> | <input type="checkbox"/> | Do you know of any environmental constraints, such as endangered species, hazardous waste sites, existing or former landfills, or parks and public lands in the vicinity of the project? Please note and discuss with AHTD staff. _____<br>_____<br>_____ |
| <input type="checkbox"/> | <input type="checkbox"/> | Does your home or property offer any limitations to the project, such as septic systems, that the Department needs to consider in its design? _____<br>_____<br>_____   |

(Continue on Back)





# PUBLIC INVOLVEMENT SYNOPSIS

**Job Number CA0706**

**Airport Dr. – Hwy. 82B (Widening)**

**Union County**

**Thursday, October 18, 2016**

An open forum Public Involvement meeting for the proposed project was held at the Wyatt Baptist Church (Fellowship Hall), 4621 W. Hillsboro Street in El Dorado, Arkansas from 4:00 - 7:00 p.m. on Thursday, October 18, 2016. Special efforts to involve minorities and the public in the meetings included the following:

- Display advertisement placed in the *El Dorado News Times News* on Sunday, October 9, 2016 and Sunday, October 16, 2016
- Public Service Announcement to *KMGC Magic 104.5* which aired on Friday, October, 14, 2016 through Tuesday, October 18, 2016
- Outreach with letters to Public Officials and Minority Ministers.
- Distribution of flyers in the project area

The following information was available for inspection and comment:

- Displays including an aerial photograph at a scale of 1 inch equals 1000 feet
- Preliminary plans at a scale of 1 inch equals 100 feet
- 3 Connecting Arkansas Program Display Boards

Handouts for the public included a comment sheet and a small-scale map illustrating the project location, which was identical to the aerial photograph display. Copies of the handouts are attached.

Table 1 describes the results of the public participation at the meeting.

<b>TABLE 1</b>	
<b>Public Participation</b>	<b>Totals</b>
Attendance at meeting (including AHTD staff)	86
Comments forms received	20

*AHTD staff reviewed all comments received and evaluated their contents. The summary of comments listed below reflects the personal perception or opinion of the person or organization making the statement. The sequencing of the comments is random and is not intended to reflect importance or numerical values. Some of the comments were combined and/or paraphrased to simplify the synopsis process.*

An analysis of the responses received as a result of the public survey is shown in Table 2.

TABLE 2	
Survey Results	Totals
Supports widening Highway 82	9
Does not support widening Highway 82	7
No response to supports/does not support question	4
Knowledge of historical, archeological or cemetery sites	0
Knowledge of area environmental constraints	1
Home or property offers limitations to the project	5
Suggestions to better serve the needs of the community	6
Beneficial impacts due to the proposed project	0
Adverse impacts due to the proposed project	4

The following is a listing of comments concerning issues associated with this project:

- Seven individuals were concerned about damages to their home and property.
- Two individuals wanted a traffic light at Highway 82 and Highway 335.
- Two individuals commented that the project needs to be three lanes instead of four.
- Two individuals indicated that only four lanes are needed with no turn lane.
- Five individuals commented there was a brine pipeline along the highway.
- One individual wanted the highway lighted from the airport to the city limits.
- One individual indicated that the project would impact his septic system.

Attachments:

Public handouts, including blank comment form

Small-scale display copies

RJ 

DN 

JB:

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (AHTD)**

**CITIZEN COMMENT FORM**

**AHTD JOB NUMBER CA0706  
Airport Dr.-Hwy. 82B (Hwy. 82 Widening)  
UNION COUNTY**

**LOCATION:  
WYATT BAPTIST CHURCH (FELLOWSHIP HALL)  
4621 HILLSBORO ST.  
EL DORADO, AR  
4:00 – 7:00 P.M.**

**TUESDAY, OCTOBER 18, 2016**

Make your comments on this form and leave it with AHTD personnel at the meeting or mail it within 15 days to: Arkansas State Highway and Transportation Department, Environmental Division, Post Office Box 2261, Little Rock, Arkansas 72203-2261.  
Email: [environmentalpimeetings@ahtd.ar.gov](mailto:environmentalpimeetings@ahtd.ar.gov).

Yes      No  
       Do you feel there is a need to widen Highway 82 between Airport Rd. and Hwy. 82B? Comment (optional) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

      Do you know of any historical sites, family cemeteries, or archaeological sites in the project area? Please note and discuss with staff. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

      Do you know of any environmental constraints, such as endangered species, hazardous waste sites, existing or former landfills, or parks and public lands in the vicinity of the project? Please note and discuss with AHTD staff. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

      Does your home or property offer any limitations to the project, such as septic systems, that the Department needs to consider in its design? \_\_\_\_\_  
\_\_\_\_\_

(Continue on Back)





## AHTD ENVIRONMENTAL IMPACTS ASSESSMENT FORM

AHTD Job Number CA0706 FAP Number ACNHPP-0070(36)  
 Job Title Airport Dr.-Hwy. 82B (Widening) (S)

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary
Cultural Resources	X			
Economic	X			
Endangered Species	X			See USFWS consultation
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		Minor loss of habitat
Floodplains		X		Floodplain permit required
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds		X		Bird SP
Navigation/Coast Guard	X			
Noise Levels		X		57 receptors
Prime Farmland		X		0.1 acres of Prime Farmland and 9.9 acres of Statewide Importance
Protected Waters	X			
Public Recreation Lands	X			
Public Water Supply/WHPA	X			
Relocates	X			
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks	X			
Visual Impacts	X			
Stream Impacts		X		NW23 Sect. 404 Permit
Water Quality		X		Temporary during construction
Wetlands		X		1.18 acres impacted, NW23 Permit
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? No  
 Short-term Activity Authorization Required? Yes  
 Section 404 Permit Required? Yes Type NW23

Remarks: Wetland impacts will be mitigated at the closest approved mitigation bank.

Signature of Evaluator  Date 1/18/17

# ROADWAY DESIGN REQUEST

Job Number CA0706 FAP No. \_\_\_\_\_ County Union

Job Name Airport Dr. – Hwy. 82B (Widening) (S)

Design Engineer David Baker Environmental Staff \_\_\_\_\_

Brief Project Description Widening of Existing Roadway, Bridge Replacement

### A. Existing Conditions:

Roadway Width: 38'-50' Shoulder Type/Width: 6-8'

Number of Lanes and Width: 2-3 @ 12' Proposed Right-of-Way: 120'

Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

Bike Lanes? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

### B. Proposed Conditions:

#### a. Rural

Roadway Width: 75' Shoulder Type/Width: 8'

Number of Lanes and Width: 4 @ 12' & 1 @ 11' Proposed Right-of-Way: 155' AVG.

Sidewalks? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

Bike Lanes? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

#### b. Urban

Roadway Width: 58' Shoulder Type/Width: 1'

Number of Lanes and Width: 4 @ 11' & 1 @ 12' Proposed Right-of-Way: 134' AVG.

Sidewalks? Yes Location: 3' Behind Curb Width: 5'

Bike Lanes? No Location: \_\_\_\_\_ Width: \_\_\_\_\_

### C. Construction Information:

If detour: Where: \_\_\_\_\_ Length: \_\_\_\_\_

### D. Design Traffic Data:

<u>2016</u> ADT: <u>5600</u>	<u>2036</u> ADT: <u>7300</u>	% Trucks: <u>20</u>
Design Speed	Design Speed	
(Rural): <u>60</u> m.p.h.	(Urban): <u>45</u> m.p.h.	

E. Approximate total length of project: 6.1 mile(s)

F. Justification for proposed improvements: Traffic Volume Exceeds Capacity

G. Total Relocates: 4 Residences: 3 Businesses: 1

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

Agency/Official	Person Contacted	Date

**BRIDGE INFORMATION - PRELIMINARY**

Job Number: CA0706 FAP Number: ACNHPP-0070(36) County: Union  
 Job Name: Airport Dr.-Hwy. 82B (Widening) (S)  
 Design Engineer: Kyle Yeary Environmental Staff: John Baber/Kayti Ewing

**A. Description of Existing Bridge:**

1. Bridge Number: 02605 over Cornie Bayou
2. Location: Rte.: 82 Section: 5 Log Mile: 12.60
3. Length: 75.0 ft Br. Rdwy. Width: 28.0 ft Deck Width (Out-to-Out): 31.5 ft
4. Type Construction: Reinforced Concrete Slab spans supported by Concrete Pile Bents
5. Deficiencies: NA
6. HBRRP Eligibility: Qualif. Code: NQ Sufficiency Rating: 62.4
7. Are any Condition Component Ratings at 3 or less? No

**B. Proposed Improvements:**

1. Length: 101.0 ft Br. Rdwy. Width: 75.0 ft Deck Width (Out-to-Out): 78.2 ft
2. Travel Lanes: 4 - 12' Lanes
3. Shoulder Width: 8.0 ft
4. Sidewalks? No Location: N/A Width: N/A ft

**C. Construction Information:**

1. Location in relation to existing bridge: Same Location
2. Superstructure Type: Continuous Composite Integral W-Beam Unit
3. Span Lengths: 30' - 40' - 30'
4. Substructure Type: Steel Shell Pile Bents w/ Encasement at Intermediate Bents
5. Ordinary High Water Elev. (OHW): 195.0 No. of Bents inside OHW Contours: 2
6. Concrete Volume below OHW: 0 yd<sup>3</sup> Vol. Bent Excavation: 0 yd<sup>3</sup> Vol. Backfill: 0 yd<sup>3</sup>
7. Is Channel Excavation below OHW Required? No Surface Area: N/A ft<sup>2</sup> Volume: N/A yd<sup>3</sup>
8. Is Fill below OHW Req'd.? No Surface Area: N/A ft<sup>2</sup> Volume: N/A yd<sup>3</sup>
9. Is Riprap below OHW required? No Volume: N/A yd<sup>3</sup>

**D. Work Road Information:**

1. Is Work Road(s) required? No Location: N/A Top Width: N/A ft
2. Is Fill below OHW required? N/A Surface Area: N/A ft<sup>2</sup> Volume: N/A yd<sup>3</sup>
3. Are Pipes required to meet Backwater Criteria? N/A Waterway Opening: N/A ft<sup>2</sup>

**E. Detour Information:**

1. Is a detour bridge required? No Location in relation to Existing Br.: N/A
2. Length: N/A ft Br. Rdwy. Width: N/A ft Deck Elevation: N/A
3. Volume of Fill below OHW: N/A yd<sup>3</sup> Surface Area: N/A ft<sup>2</sup>

**F. Coordination with Outside Agencies (e.g., FHWA, City, County, C of E, USCG):**

Has Bridge Division coordinated with any outside agencies? No

Agency	Person Contacted	Date



**DEPARTMENT OF THE ARMY**  
LITTLE ROCK DISTRICT, CORPS OF ENGINEERS  
POST OFFICE BOX 867  
LITTLE ROCK, ARKANSAS 72203-0867  
www.swl.usace.army.mil

January 23, 2020

Regulatory Division

NATIONWIDE PERMIT NO. **MVK 2020-00056**

Mr. John Fleming  
Division Head, Environmental Division  
Arkansas Department of Transportation  
PO Box 2261  
Little Rock, Arkansas 72203-2261

Dear Mr. Fleming:

Please refer to your recent request concerning Department of the Army permit requirements pursuant to Section 404 of the Clean Water Act. You requested authorization for the placement of dredged and fill material in waters of the United States associated with widening U.S. Highway 82 near El Dorado. The project will widen approximately 6.1 miles of highway, replace the bridge over Cornie Bayou and extend three culverts in unnamed tributaries. The existing roadway consists of two 12-foot-wide lanes with 8-foot-wide shoulders and will be widened to four 12-foot-wide lanes with an 11-foot-wide painted median and 8-foot-wide shoulders. The project will require the acquisition of approximately 21.8 acres of additional right-of-way and adversely impact approximately 1.04 acres of wetlands. The permanent impacts at each stream crossing will be less than 300 linear feet and 0.1 acres. The project may affect but is not likely to adversely affect the Red-cockaded Woodpecker (*Picoides borealis*). There are no cultural resources impacts. The project was approved as a Tier 3 Categorical Exclusion by the Federal Highway Administration on February 6, 2017. The project is located on U.S. Highway 82, immediately west of El Dorado in sections 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36, T. 17 S., R. 16 W., Union County, Arkansas. A vicinity map, project location map, wetland impacts map, wetland impacts worksheet and bridge layout drawing are enclosed.

The proposed activities are authorized by Department of the Army Nationwide Permit (NWP) **No. 23** (copy enclosed), provided that the following **Special Condition** and General Conditions therein are met. For your convenience, we have highlighted the General Conditions of the NWP that are the most pertinent to your project. You should become familiar with the conditions and maintain a copy of the permit at the worksite for ready reference. If changes are proposed in the design or location of the project, you should submit revised plans to this office for approval before construction of the change begins.

**Special Condition:**

**ArDOT agrees to mitigate for the adverse impacts to 1.04 acres of wetlands with 11.2 wetland credits from an approved mitigation bank before construction of the project begins. ArDOT will provide documentation of the mitigation bank transaction to the U.S. Army Corps of Engineers Little Rock District Transportation Program Manager.**

Please pay particular attention to General Condition No. 12 which stipulates that appropriate erosion and siltation controls be used during construction and all exposed soil be permanently stabilized. Erosion control measures must be implemented before, during and after construction.

For your information, we have enclosed a copy of the Arkansas Department of Environmental Quality (ADEQ) Section 401 Water Quality Certification conditions, which are conditions of your permit. If you have any questions concerning compliance with the conditions of the 401 certification, you should contact Ms. Melanie Treat or Mr. Jim Wise at the ADEQ, Water Division, 5301 Northshore Drive, North Little Rock, Arkansas 72118, telephone (501) 682-0040.

Also, in order to fully comply with the conditions of the NWP, you must submit the enclosed compliance certification within 30 days of completion of the project. This is required pursuant to General Condition No. 30 of the permit.

The NWP determination will be valid until March 18, 2022. If NWP **No. 23** is modified, suspended, or revoked during this period, your project may not be authorized unless you have begun or are under contract to begin the project. If work has started or the work is under contract, you would then have twelve (12) months to complete the work.

Your cooperation in the Regulatory Program is appreciated. If you have any additional questions about this permit or any of its provisions, please contact Mr. Johnny McLean at (501) 324-5295 and refer to Permit No. **MVK 2020-00056, U.S. Highway 82 widening west of El Dorado (ArDOT Project No. CA0706).**

Sincerely,



Sarah Chitwood  
Chief, Regulatory Evaluation Branch

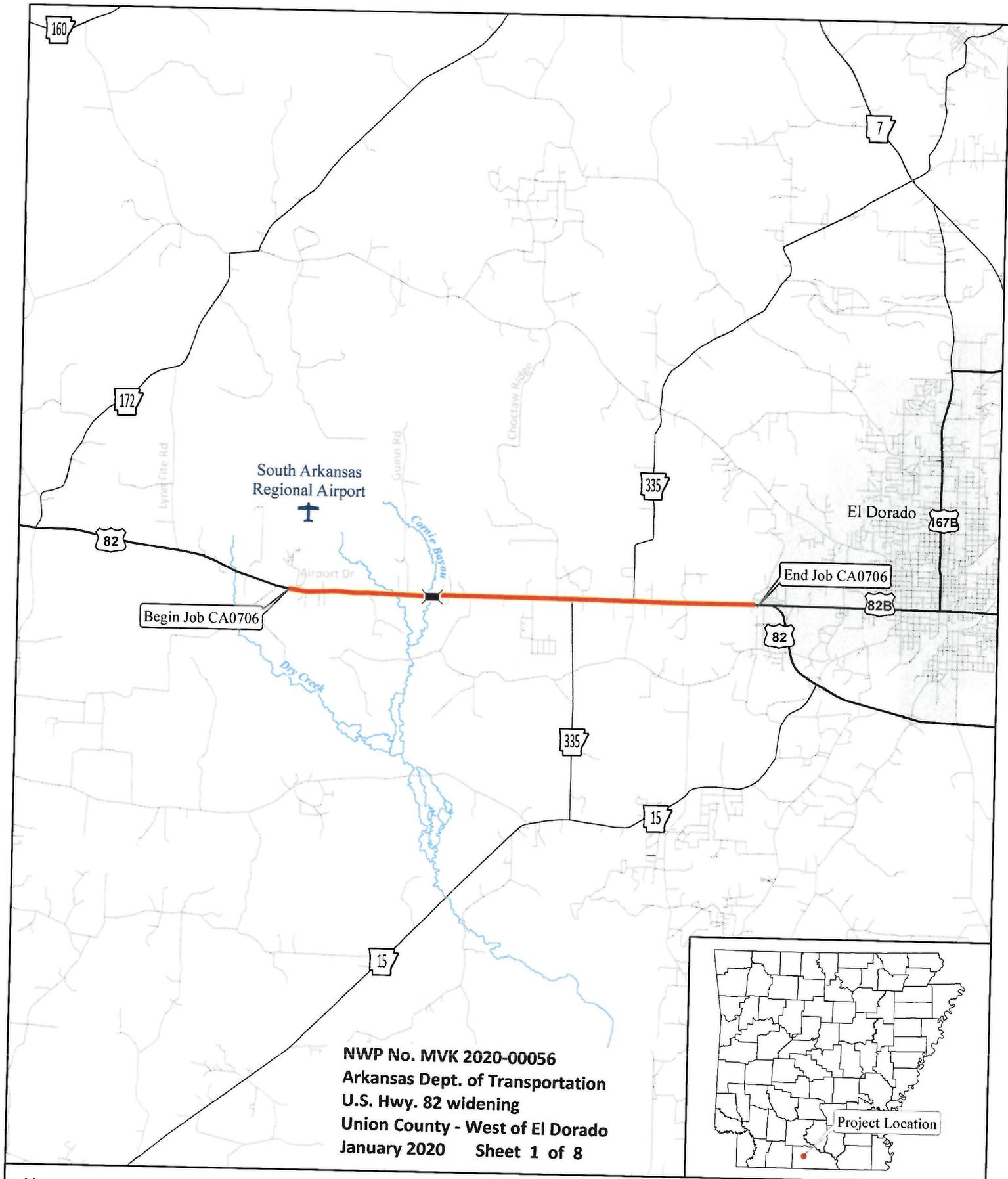
Enclosures

Copy Furnished:

Vicksburg District Regulatory, w/cy encls.

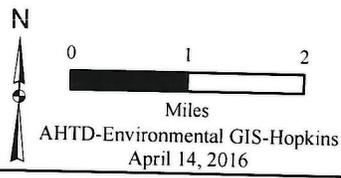
Ms. Melanie Treat, Arkansas Department of Environmental Quality, w/cy encls.

Mr. Lindsey Lewis, U.S. Fish & Wildlife Service, w/cy encls.



**NWP No. MVK 2020-00056**  
**Arkansas Dept. of Transportation**  
**U.S. Hwy. 82 widening**  
**Union County - West of El Dorado**  
**January 2020 Sheet 1 of 8**

**Job CA0706**  
**Airport Dr.-Hwy. 82B**  
**(Widening) (Hwy. 82)**  
**Union County**



 **Project Location**



Box Culvert  
UTM NAD83  
Northing: 3674438  
Easting: 519727

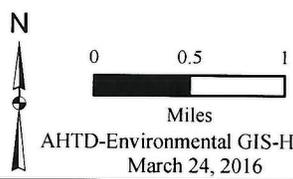
Bridge  
UTM NAD83  
Northing: 3674421  
Easting: 520475

Box Culvert  
UTM NAD83  
Northing: 3674422  
Easting: 523060

End Job CA0706

Box Culvert  
UTM NAD83  
Northing: 3674407  
Easting: 524154

Begin Job CA0706



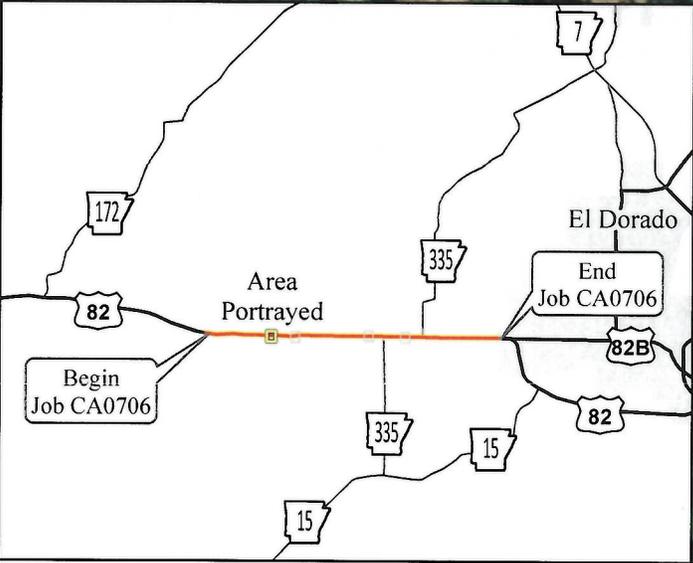
AHTD-Environmental GIS-Hopkins  
March 24, 2016

Job CA0706  
Airport Dr.-Hwy. 82B  
(Widening) (Hwy. 82)  
Union County

Sheet 2 of 8

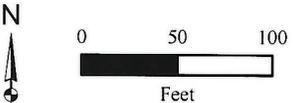
— Project Location

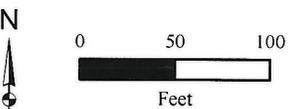
USGS Topographic Maps  
El Dorado West 1981 & Newell 1985



Job CA0706  
 Wetland & Stream Impacts  
 Sheet 3 of 8

-  Temporary Wetland Impacts
-  Permanent Wetland Impacts
-  Proposed Construction Limits
-  Proposed Right-of-Way

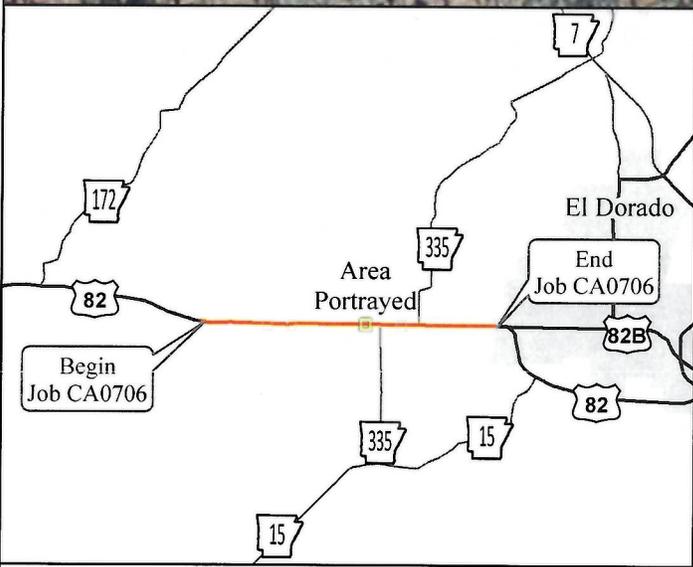
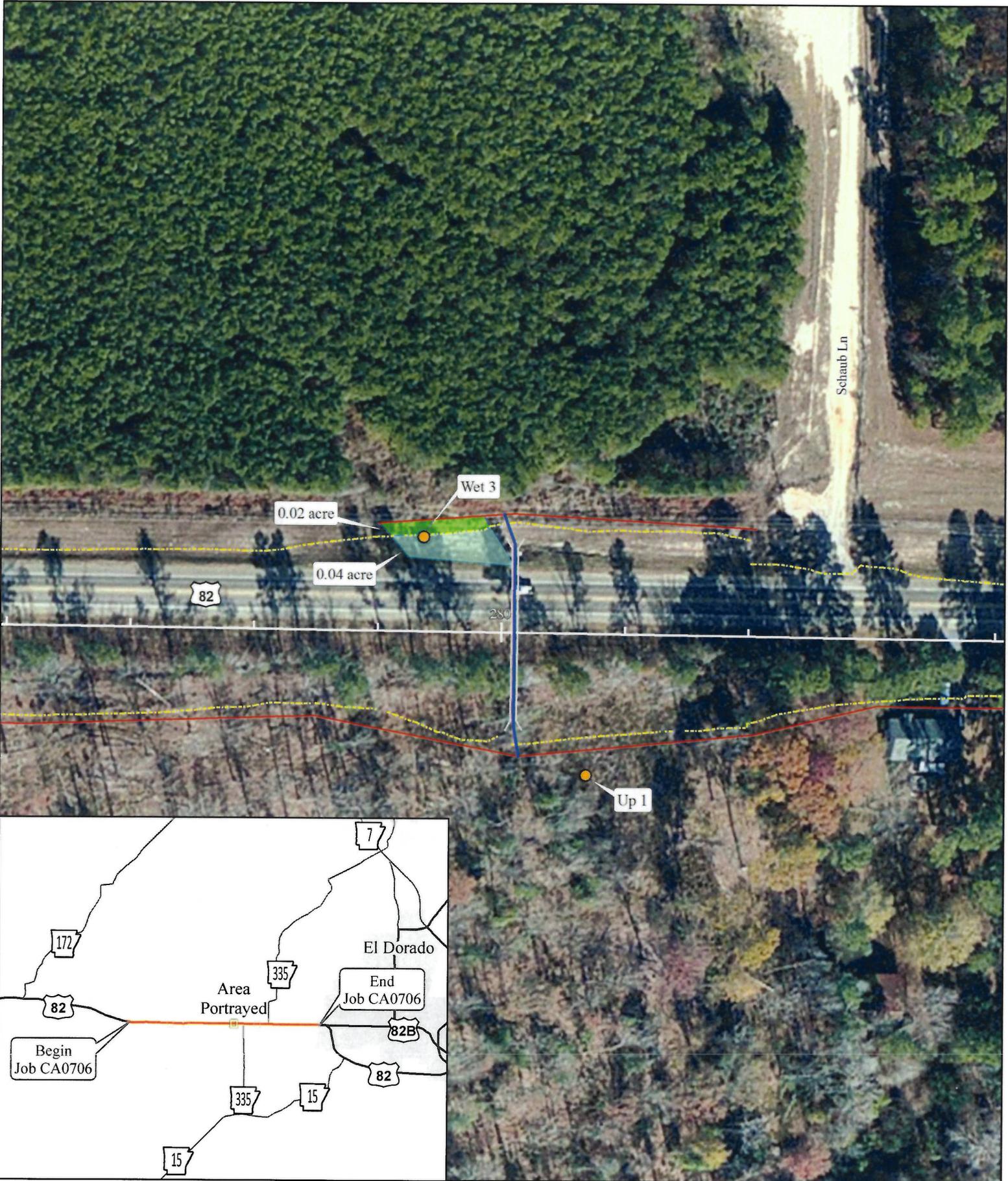




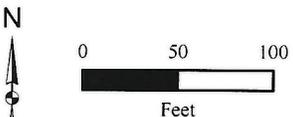
AHTD-Environmental GIS-Hopkins  
February 17, 2017

Job CA0706  
Wetland & Stream Impacts  
Sheet 4 of 8

-  Temporary Wetland Impacts
-  Permanent Wetland Impacts
-  Proposed Construction Limits
-  Proposed Right-of-Way

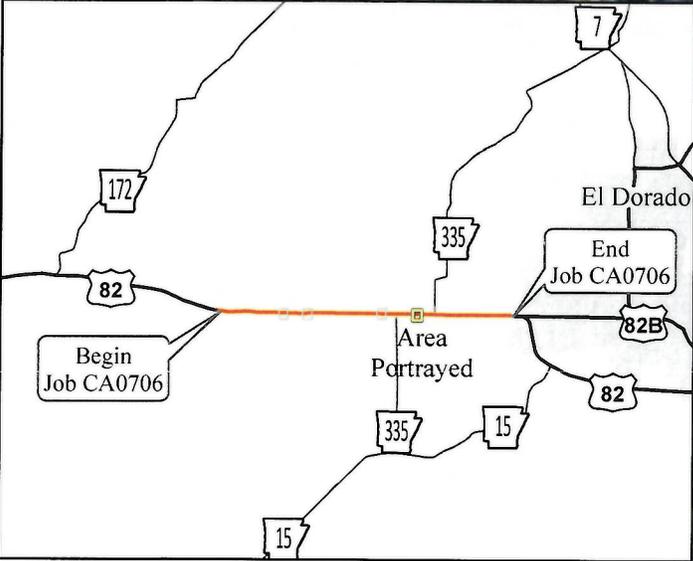


Job CA0706  
 Wetland & Stream Impacts  
 Sheet 5 of 8



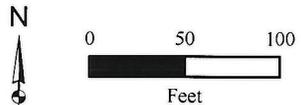
AHTD-Environmental GIS-Hopkins  
 February 17, 2017

- Temporary Wetland Impact
- Permanent Wetland Impact
- - - Proposed Construction Limits
- Proposed Right-of-Way



Job CA0706  
Wetland & Stream Impacts  
Sheet 6 of 8

-  Permanent Stream Impacts
-  Proposed Construction Limits
-  Proposed Right-of-Way



ADVERSE IMPACT FACTORS FOR WETLANDS AND OTHER WATERS OF THE U.S. EXCLUDING STREAMS

FACTORS	OPTIONS					
	Lost Type	Type C 0.2		Type B 2.0		Type A 3.0
Priority Category	Tertiary 0.5		Secondary 1.5		Primary 2.0	
Existing Condition	Very Impaired 0.1	Impaired 1.0		Slightly Impaired 2.0		Fully Functional 2.5
Duration	Seasonal 0.1	0 to 1 0.2	1 to 3 0.5	3 to 5 1.0	5 to 10 1.5	Over 10 2.0
Dominant Impact	Shade 0.2	Clear 1.0	Dredge 1.5	Drain 2.0	Impound 2.5	Fill 3.0
Cumulative Impact	$0.05 \times \sum AA_i$					
Location	On Site 0.0			Off Site 3.0		

**Required Mitigation Credits Worksheet**

Factor	Filled Forested Wetland	Cleared Forested Wetland	Filled Scrub/Shrub Wetland	Cleared Scrub/Shrub Wetland	Filled Herbaceous Wetland
Lost Type	3	3	2	2	0.2
Priority Category	0.5	0.5	0.5	0.5	0.5
Existing Condition	2.5	2.5	2	2	1
Duration	2	2	2	2	2
Dominant Impact	3	1	3	1	3
Cumulative Impact	$0.05*1=1$	$0.05*1=1$	$0.05*1=1$	$0.05*1=1$	$0.05*1=1$
Sum of r Factors	$R_1=12$	$R_2=10$	$R_3=10.5$	$R_4=8.5$	$R_5=7.7$
Impacted Area	$AA_1=0.44$	$AA_2=0.06$	$AA_3=0.37$	$AA_4=0.13$	$AA_5=0.04$
R x AA=	5.3	0.6	3.9	1.1	0.3

TOTAL REQUIRED CREDITS =  $\sum (R \times AA) = 11.2$





**MAR 16 2017**

Colonel Robert G. Dixon  
District Commander  
U.S. Army Corps of Engineers  
P.O. Box 867  
Little Rock, Arkansas 72203-0867

RE: Public Notice: Re-issuance of Nationwide Permits

Dear Colonel Dixon:

The Arkansas Department of Environmental Quality (ADEQ) has completed its review of the above referenced public notice for re-issuance of the U.S. Army Corps of Engineers Nationwide Permits (NWP) for the State of Arkansas.

ADEQ has determined that there is a reasonable assurance that the activities covered under most these NWP will be conducted in a manner which, according to the Arkansas Pollution Control and Ecology Commission's Regulation No.2, will not physically alter a significant segment of the waterbody and will not violate the water quality criteria.

Therefore, pursuant to §401(a)(1) of the Clean Water Act, the ADEQ hereby issues water quality certification for all NWP with the exception of NWP 14, 29, and 43, contingent upon the following conditions:

- 1) An individual water quality certification request must be submitted to ADEQ for Activities which may impact Extraordinary Resource Waters, Ecologically Sensitive Waterbodies, and Natural Scenic Waterways and their tributaries (within 1 mile) as defined in Regulation No. 2, Water Quality Standards.
- 2) The applicant shall contact ADEQ to determine if a Short Term Activity Authorization (STAA) is needed when performing work in the wetted area of any waterbody. More information can be obtained by contacting the Water Division Planning Section of ADEQ at 501-682-0946.
- 3) The applicant shall implement all practicable best management practices (BMPs) to avoid excessive impacts of sedimentation and turbidity to the surface waters.
- 4) The applicant will take all reasonable measures to prevent the spillage or leakage of any chemicals, oil, grease, gasoline, diesel, or other fuels. In the unlikely event such spillage or leakage occurs, the applicant must contact ADEQ immediately.
- 5) The applicant shall limit construction to low flow periods as much as possible to minimize adverse effects on water quality and aquatic life.

- 6) If a construction site will disturb equal to or greater than one (1) acre and less than five (5) acres, the applicant shall comply with the requirements in Reg.6.203 for Stormwater discharge associated with a small construction site, as defined in APC&EC Regulation No. 6. If the construction site will disturb five (5) acres or more, the applicant shall comply with the terms of the Stormwater Construction General Permit Number ARR 150000 prior to the start of construction. BMPs must be implemented regardless of the size. More information can be obtained by contacting the NPDES Stormwater Section of ADEQ at (501) 682-0621.

For NWPs 14, 29, and 43, where a Pre-Construction Notification (PCN) is required, in addition to conditions 1-6 listed above, an individual water quality certification request must be submitted to ADEQ in cases and the activity occurs in:

- a. Waterbodies on the most currently approved 303(d) list for turbidity/siltation, including tributaries of the listed stream (within 1 mile) and waters upstream of the listed segment (within 1 mile).
- b. Waterbodies with an approved Total Maximum Daily Load (TMDL) for turbidity/siltation, including their tributaries (within 1 mile) and waters upstream of the listed segment (within 1 mile).

If you have additional questions regarding this certification, please contact Ms. Lazendra Hairston at (501) 682-0946.

Sincerely,



Caleb Osborne  
Associate Director, Office of Water Quality

cc: Elaine Edwards, Chief Regulatory Division USACE  
Jim Ellis, Project Manager USACE  
Wanda Boyd, U.S. EPA,

**PERMITTEE COMPLIANCE CERTIFICATION**

**PERMIT NO.:** MVK 2020-00056, U.S. Highway 82 widening west of El Dorado (ArDOT Project No. CA0706)

**NWP/S NO.:** 23

**PERMITTEE NAME:** ArDOT

**DATE OF ISSUANCE:** \_\_\_\_\_

**PROJECT MANAGER:** Johnny McLean

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

**US Army Corps of Engineers, Little Rock  
ATTENTION: CESWL-RD  
PO Box 867  
Little Rock, Arkansas 72203-0867**

Please note that your permitted activity is subject to a compliance inspection by a US Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

**DATE WORK COMPLETED:** \_\_\_\_\_

\_\_\_\_\_  
**SIGNATURE OF PERMITTEE**

\_\_\_\_\_  
**DATE**