Environmental Document

AHTD JOB NUMBER CA0202

Highway 425 – Hamburg (Widening) (S) Ashley County, Arkansas

Submitted Pursuant to Issue No. 1, An Amendment to Provide Additional Funding for Highways, County Roads, City Streets, Bridges, and Surface Transportation

By the

Arkansas State Highway and Transportation Department

Prepared By PARSONS

March 9, 2016

3/11/2016 Date of Approval

John Reming Environmental Division Head Arkansas State Highway and Transportation Department AHTD Job Number CA0202 Non-NEPA Environmental Document Page 1 of 3

The Connecting Arkansas Program Manager (CAPM) has reviewed the referenced project as a Non-NEPA project.

The purpose of this project is to improve capacity and safety on Highway 82, a major rural arterial. The total length of the project is 5.4 miles. It extends from the intersection of Highway 82 and Highway 425 to near Lion Drive in Hamburg, Ashley County. Figure 1 illustrates the project location.

The existing roadway consists of a two-lane rural arterial with intermediate auxiliary passing lanes. The existing roadway has two 12-foot traffic lanes and shoulder widths varying from 3-6 feet. Existing right of way width is 120 feet.

Proposed improvements include a rural section of four 12-foot wide paved travel lanes with an 11-foot paved median, and 8-foot wide shoulders. The proposed right of way width will range from 160 feet to 225 feet. Approximately 30 acres of additional right of way will be required for this project.

A Design Information sheet is attached, and design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2016	4,200	17	60 mph
2036	5,000	17	60 mph

Early correspondence with the U.S. Fish and Wildlife Service (USFWS) and a review of the Arkansas Natural Heritage Commission data identified two federally-endangered species potentially occurring in or near the proposed project area in Ashley County. These include the federally-listed endangered red-cockaded woodpecker (*Picoides borealis*) and pondberry (*Lindera melissifolia*). Arkansas Natural Heritage Commission data identified historic records for the red-cockaded woodpecker from within the Wilcoxon Forest near the southern terminus of the project. Additional coordination revealed that the colony had been previously translocated and the Wilcoxon Forest is no longer considered suitable habitat due to its distance to other colonies within the state. A review of the Natural Heritage database indicated that there are no known records of pondberry within the project area. Based on the prior translocation of historic red-cockaded woodpecker colonies and the distance to known pondberry populations, the project is not likely to adversely affect any listed species within the affected area. The USFWS concurred with the determination in a letter dated January 11, 2016.

One historic site within the proposed ROW, the Levi Wilcoxon Demonstration Forest (AS0034), was determined eligible for the National Register of Historic Places (NRHP). The cultural resources survey report was approved by the State Historic Preservation Officer (SHPO) in a letter dated September 16, 2015. A Memorandum of Agreement and Treatment Plan to mitigate for potential impacts will be prepared between the AHTD and the SHPO for the Levi Wilcoxon Demonstration Forest. The SHPO concurrence letters for the project are attached.

AHTD Job Number CA0202 Non-NEPA Environmental Document Page 2 of 3

Should any cultural resources sites be found that are eligible or potentially eligible for nomination to the National Register of Historic Places and avoidance is not possible, then site specific treatment plans will be developed and submitted to the SHPO and the appropriate tribes for review and comment. A corresponding MOA between SHPO, the AHTD, and the appropriate tribes will then be implemented and the appropriate treatment plan will be carried out at the earliest practicable time.

A Preliminary Jurisdictional Determination Report for Waters of the U.S. was prepared for the project. That report defined the streams and wetlands identified during field investigations conducted in March 2015 and discussed the anticipated impacts associated with the project. A total of 17 streams and 11 wetlands were identified in the project corridor. Three perennial streams and 14 ephemeral streams were identified. Estimated permanent impacts are 396 linear feet of perennial streams and 1.23 acres of wetlands. Some impacts may be reduced during final design of the project. Compensatory mitigation for unavoidable impacts will be provided at an approved Arkansas Highway Transportation Department mitigation bank. The final compensatory wetland mitigation will be determined during the Section 404 permitting process. Construction of the proposed project should be allowed under a Section 404 Nationwide Permit 14 from the U.S. Army Corps of Engineers.

Ashley County participates in the National Flood Insurance Program. All of the floodplain encroachments within the 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. The project will not support incompatible use and development of the floodplain. 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 significant risk to property or life.

No relocations are anticipated with this project. Should any relocations be needed based on the final design, Public Law 91-646, Uniform Relocation Assistance Act of 1970 (URAA), as amended, will apply. There are no Executive Order 12898 Environmental Justice issues with this project.

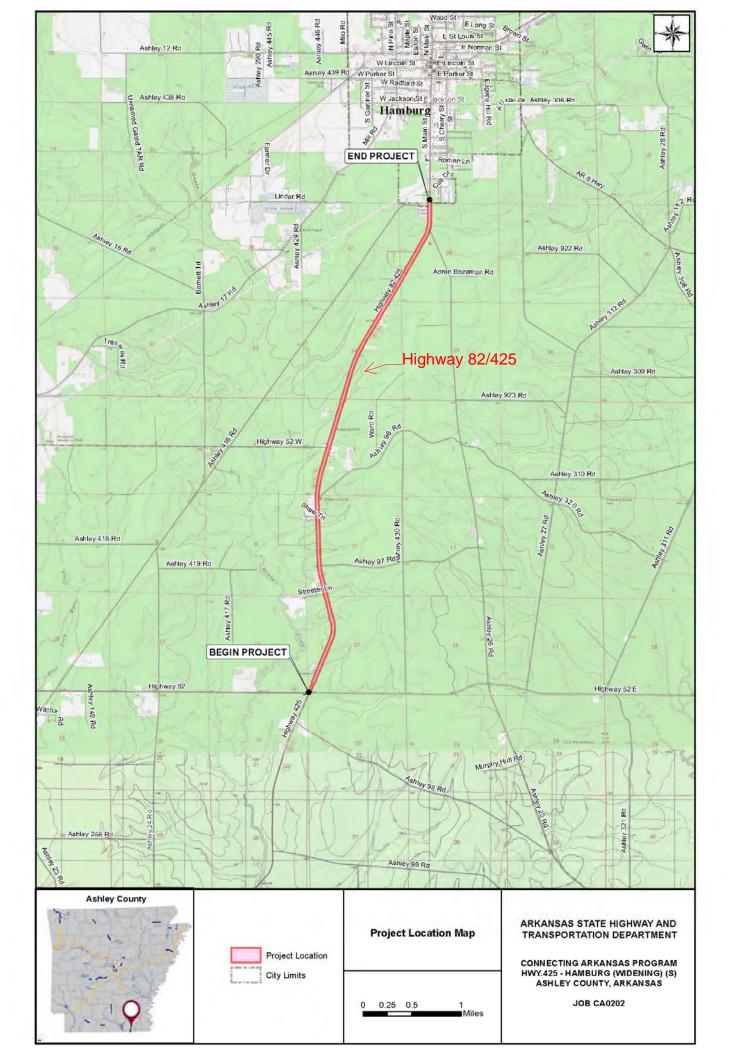
No hazardous materials sites or areas of concern were identified within, or adjacent to, the environmental boundary for the proposed project. Should any hazardous or potentially hazardous materials be encountered during construction, the hazardous materials will be handled and disposed in accordance with applicable state, local, and federal laws and regulations.

An open-forum public involvement meeting for the proposed project was held at Hamburg Middle School in Hamburg, Arkansas from 4:00 - 7:00 p.m. on November 10, 2015. A public officials meeting was held at 3:00 p.m. on the same day. A synopsis of the meetings is attached.

AHTD Job Number CA0202 Non-NEPA Environmental Document Page 3 of 3

Listing of Commitments:

- Nesting Sites for Migratory Birds SP
- An approved wetland mitigation bank will be used for wetland and stream mitigation
- Short Term Activity Authorization
- NPDES Permit
- Floodplain Development Permit
- MOA for the Levi Wilcoxon Demonstration Forest (AS0034)
- URAA will be followed if needed
- Section 404 Nationwide Permit 14



From: Lewis, Lindsey [mailto:lindsey_lewis@fws.gov]

Sent: Monday, January 11, 2016 2:40 PM

To: Seagraves, Josh

Subject: Re: CA0202 ESA concurrence

Josh,

The Service has reviewed the information you provided along with our records. We concur with your determination that this project is not likely to adversely affect any of the listed species identified within the affected area "based on the prior translocation of the historic red-cockaded woodpecker colony and the distance to known pondberry populations."

No further coordination is necessary at this time.

Thanks,

Lindsey Lewis Biologist

US Fish & Wildlife Service Arkansas Field Office 110 South Amity Rd., Suite 300 Conway, Arkansas 72032

(501) 513-4489 - voice (501) 513-4480 - fax <u>Lindsey_Lewis@fws.gov</u> <u>http://www.fws.gov/arkansas-es/[fws.gov]</u>

On Tue, Jan 5, 2016 at 3:09 PM, Seagraves, Josh < <u>Josh.Seagraves@ahtd.ar.gov</u>> wrote:

Lindsey,

AHTD project CA0202 Hwy. 425 – Hamburg will widen a 5.32 mile section of Hwy 82 between the intersection of Hwy. 425 east of Crossett and the city of Hamburg in Ashley County. The roadway will be widened to accommodate four 12-foot travel lanes with an 11-foot painted median. Previous correspondence with your office identified the red-cockaded woodpecker and pondberry occurring within Ashley County. Arkansas Natural Heritage Commission data identifies historic records for the red-cockaded woodpecker from within the Wilcoxin Forest near the southern terminus of the project. Through personal communication with Erin Leone it was determined that this colony had been previously translocated and was not considered suitable habitat due to its distance to other colonies within the state. There are no known records of pondberry within the project area. Therefore, based on the prior translocation of the historic red-cockaded woodpecker colony and the distance to known pondberry populations it is determined that the project is not likely to adversely affect these species. We request your concurrence in this determination.

Thank you.

Josh Seagraves Section Head – Special Studies Arkansas Highway and Transportation Dept. PO Box 2261, Little Rock, AR 72203 P: 501-569-2522 F: 501-569-2009

Josh.Seagraves@ahtd.ar.gov



June 10, 2015

Asa Hutchinson Governor

> Stacy Hurst Director

Arkansas Arts Council

Arkansas Natural Heritage Commission

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars Cultural Center

Old State House Museum



Arkansas Historic **Preservation Program**



323 Center Street, Suite 1500 Little Rock, AR 72201

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

e-mail:

info@arkansaspreservation.org website:

www.arkansaspreservation.com

An Equal Opportunity Employer

Mr. Bill McAbee CAP Environmental Program Manager Arkansas State Highway and Transportation Department Connecting Arkansas Program P.O. Box 2261 Little Rock, AR 72203-2261

Ashley County - Hamburg RE:

Section 106 Review - FHWA Request for Technical Assistance AHTD Job Number CA0202

Hwy. 425 – Hamburg (Widening) (S) AHPP Tracking Number 93222

Dear Mr. McAbee:

This letter is written in response to your inquiry regarding properties of architectural or historical significance in the area of the proposed referenced project. The staff of the Arkansas Historic Preservation Program has reviewed the documents contained in your June 8, 2015 letter and has determined that of the twenty-one (21) structures surveyed, nineteen (19) structures (Structures A-AS0108, B-R, and T) are ineligible for inclusion in the National Register of Historic Places while two (2) structures (AS0034-Levi Wilcoxon Demonstration Forest and Structure S) are eligible.

Once the undertaking is further along in the planning stages, we look forward to reviewing the cultural resources survey report of the proposed project. Please refer to the AHPP Tracking Number listed above in all correspondence. If you have any questions, please call Theresa Russell of my staff at (501)-324-9357.

Sincerely,

I varus medura Frances McSwain

Deputy State Historic Preservation Officer

Mr. John Fleming, Arkansas Highway and Transportation Department cc:

Ms. Tamara Francis-Fourkiller, Caddo Nation Mr. Everett Bandy, Quapaw Tribe of Oklahoma Ms. Kim Jumper, Shawnee Tribe of Oklahoma Dr. Ann Early, Arkansas Archeological Survey



Asa Hutchinson Governor

Stacy Hurst

Director

Arkansas Arts Council

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Arkansas Historic Preservation Program



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> > e-mail:

info@arkansaspreservation.org website:

www.arkansaspreservation.com

An Equal Opportunity Employer

September 16, 2015

Mr. Bill McAbee CAP Environmental Project Manager Arkansas State Highway & Transportation Department Connecting Arkansas Program P.O. Box 2261 Little Rock, AR 72203-2261

Ashley County – General
Section 106 Review – FHWA
Report Titled Cultural Resources Survey for the Route 82 Section 8
Widening Project (AHTD Job No. CA0202) from Hamburg to Highway
425 Ashley County, Arkansas
AHPP Tracking Number 93222.1

Dear Mr. McAbee:

RE:

The Staff of the Arkansas Historic Preservation Program has review the abovereferenced cultural resources survey report. The report documents fieldwork for a road widening project and is acceptable.

We concur that site AS0034, the Levi Wilcoxon Demonstration Forest (LWDF), is eligible for inclusion on the National Register of Historic Places under Criterion A. Based on this, we find that the proposed clearing/grubbing and construction work to be conducted within the proposed new right of way, located inside the boundaries of the LWDF, will constitute an adverse effect. We recommend that impacts to the LWDF be avoided or a Memorandum of Agreement (MOA) be developed to mitigate the adverse effect.

Thank you for the opportunity to review this undertaking. We look forward to reviewing the draft Section 4(f) and MOA produced for the project. Please refer to the AHPP Tracking Number listed above in all correspondence. If you have any questions, please call Bob Scoggin of my staff at 501-324-9270

Sincerely,

Lrances Meswaln

Frances McSwain Deputy State Historic Preservation Officer

cc: Mr. Randall Looney, Federal Highway Administration

Ms. Tamara Francis-Fourkiller, Caddo Nation

Dr. Andrea Hunter, Osage Nation

Ms. Kim Jumper, Shawnee Tribe of Oklahoma

Mr. C. Andrew Buchner, Panamerican Consultants, Inc.

Dr. Ann Early, Arkansas Archeological Survey



Job CA0202

Hwy 425—Hamburg (Widening) (Hwy 82)

Ashley County

November 10, 2015

An open-forum public involvement meeting for the proposed Hwy 425—Hamburg widening (Hwy 82) was held at Hamburg Middle School (Gym) in Hamburg, Arkansas from 4:00-7:00 p.m. on November 10, 2015. A public officials meeting was held at 3:00 p.m. on the same day. Efforts to involve minorities and local property owners in the meeting included:

- Display advertisements were placed in the Ashley County Ledger on November 4, 2015.
- Display advertisements were placed in Hola Arkansas on October 23, 2015.
- Radio Public Service Announcements (PSA) were run twice a day from November 7 through November 10, 2015 on KMLK 101.5.
- Letters to public officials were mailed and emailed on October 20, 2015 and fliers were mailed on October 23, 2015.
- Letters to ministers were mailed on October 27, 2015 and emailed October 27, 2015.
- Fliers to adjacent property owners were mailed October 26, 2015.
- Fliers to stakeholders and people interested in the project were mailed and emailed October 27, 2015.
- Meeting notice fliers were delivered door-to-door along project route November 4, 2015.
- A news release was distributed to the media on November 5, 2015.
- A meeting announcement was listed on ConnectingArkansasProgram.com on October 23, 2015 and ArkansasHighways.com on October 23, 2015.



Public Meeting Synopsis

The following information was available for inspection and comment:

- Two aerial photograph roll plots at a scale of 1" = 200', illustrating the entire length of the proposed project.
- Two 24" x 36" aerial photographs on mounted boards at a scale of 1" = 1000', illustrating the entire length of the proposed project.
- Two 24" x 36" boards showing the proposed typical section of improvements for Highway 82.
- Three CAP informational boards.

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

Table 1 describes the results of public official's participation at the meeting.

Table 1		
Public Officials Participation	Total	
Attendance at meeting (including AHTD and CAP staff)	13	
Total comments received	1	

Dane Weindorf, Hamburg Mayor, submitted a comment. He stated the intersection of Hwy. 82/52/425 has had several fatalities with vehicles running the stop sign on Hwy. 82 and Hwy. 52. He requested a flashing stop sign like was installed north of Hamburg on another project.

Table 2 describes the results of public participation at the 4-7 p.m. meeting.

Table 2		
Public Participation	Total	
Attendance at meeting (including AHTD and CAP staff)	57	
Comments received	13	



Public Meeting Synopsis

Crafton Tull 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 from the public survey is shown in Table 3.

Table 3	
Survey Results	Totals
Supports improvements to Highway 82	12
Does not support improvements to Highway 82	1
Believes the project would have beneficial impacts	5
Believes the project would have adverse impacts	0
Knowledge of historical, archeological or cemetery sites	2
Knowledge of area environmental constraints	0
Home or property offers limitations to the project that need to be considered during the design	0
Suggestion to better serve the needs of the community	2
Additional Comments	3
Total Comments Received	13

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

- One respondent stated he had a potential borrow site on his property if needed.
- One respondent commented the project was very well presented.



Public Meeting Synopsis

- One respondent stated they appreciated the information and answers provided at the meeting.
- One respondent stated they were concerned about traffic for school buses.
- One respondent stated they wanted the project to extend to the state line.
- One respondent stated that side ditches were needed for good drainage on both sides of the highway.

Attachments:

- Blank comment form
- Public officials sign-in sheet
- Public meeting sign-in sheets
- 11x17 map handout
- Small-scale copy of the display board
- Typical Section of Improvements board

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (AHTD)





CITIZEN COMMENT FORM

AHTD JOB NUMBER CA0202
HIGHWAY 425—HAMBURG (WIDENING) (HIGHWAY 82)
ASHLEY COUNTY

LOCATION:

HAMBURG MIDDLE SCHOOL (GYM) 1109 CUB ST., HAMBURG, AR 4:00 – 7:00 p.m. TUESDAY, NOVEMBER 10, 2015

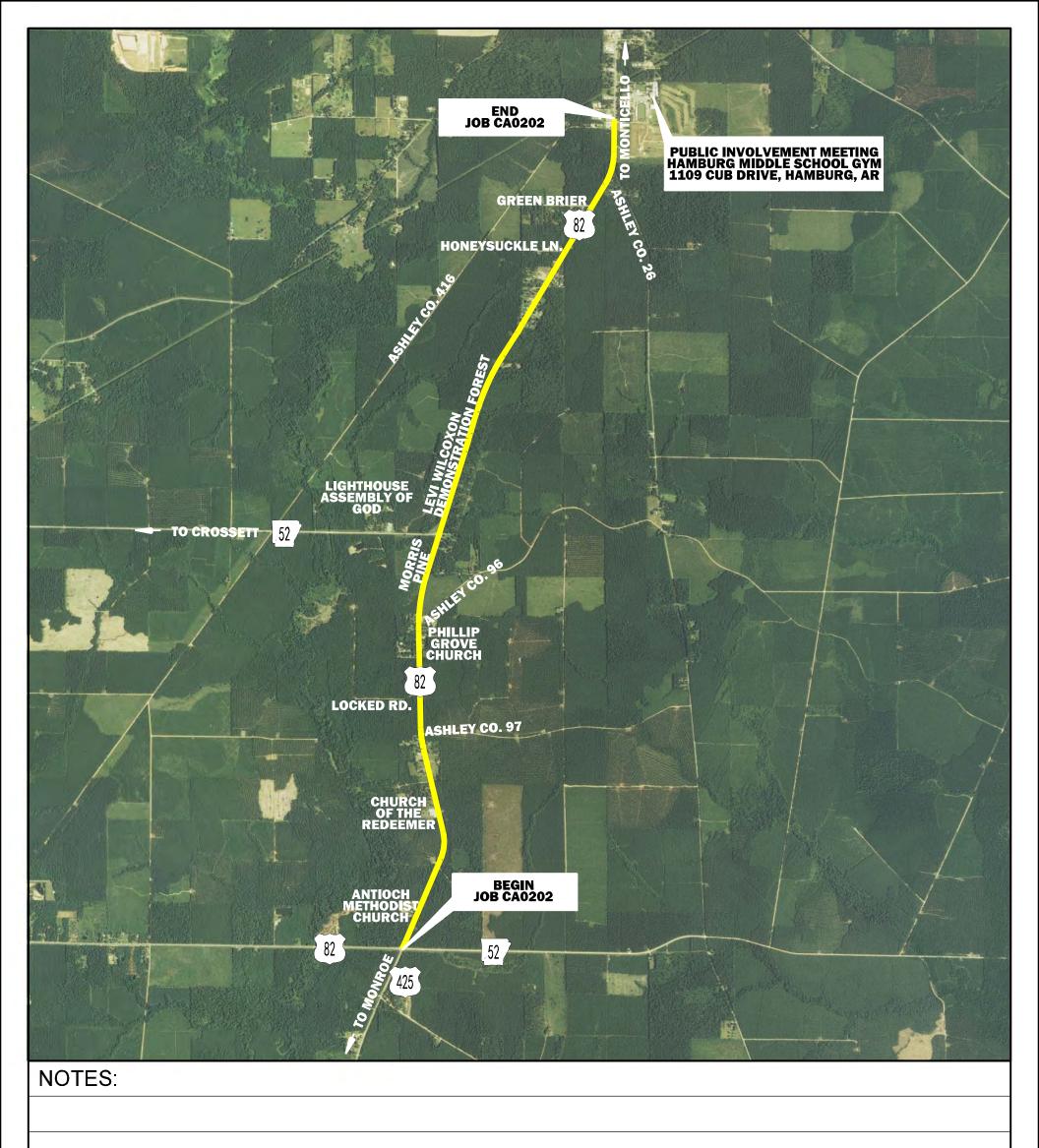
Make your comments on this form and leave it with AHTD Connecting Arkansas Program personnel at the meeting or mail it within 15 days to: AHTD Connecting Arkansas Program, Attn: Jon Hetzel, 4701 Northshore Drive, North Little Rock, AR 72118. Email: Info@ConnectingArkansasProgram.com.

Yes	No	Do you feel there is a need for the proposed widening of Hwy 82 between Hwy 425 and Hamburg?
		Do you feel that the proposed widening project will have any impacts (Beneficial or Adverse) on your property and/or community (either economically, socially, or environmentally, etc.)? Please explain.
		Do you know of any historical sites, family cemeteries, or archaeological sites in the proposed 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 staff.

(Continued on back)

Yes	No	Does your home or property offer any limitations to the project, such as septic systems, that need to be considered in the design?						
		Do you have a suggestion that would make this proposed project better serve the needs of the community?						
you provi	are a pro de inform	cessary for the AHTD to contact property owners along potential routes. It operty owner along or adjacent to the route under consideration, please nation below. Thank you.						
		Phone: ()						
E-ma								
Plea	se make	additional comments here						

For additional information, please visit our website at <u>www.ConnectingArkansasProgram.com</u>



HV

O 3000 6000

FEET

MAP DATA: APRIL 2015
MEETING DATE: NOV. 10, 2015
PUBLIC INVOLVEMENT MEETING HANDOUT

PROJECT LOCATION

HWY. 425 - HAMBURG (WIDENING) (S)

ROUTE 82 SECTION 8
ASHLEY COUNTY
AHTD JOB CA0202

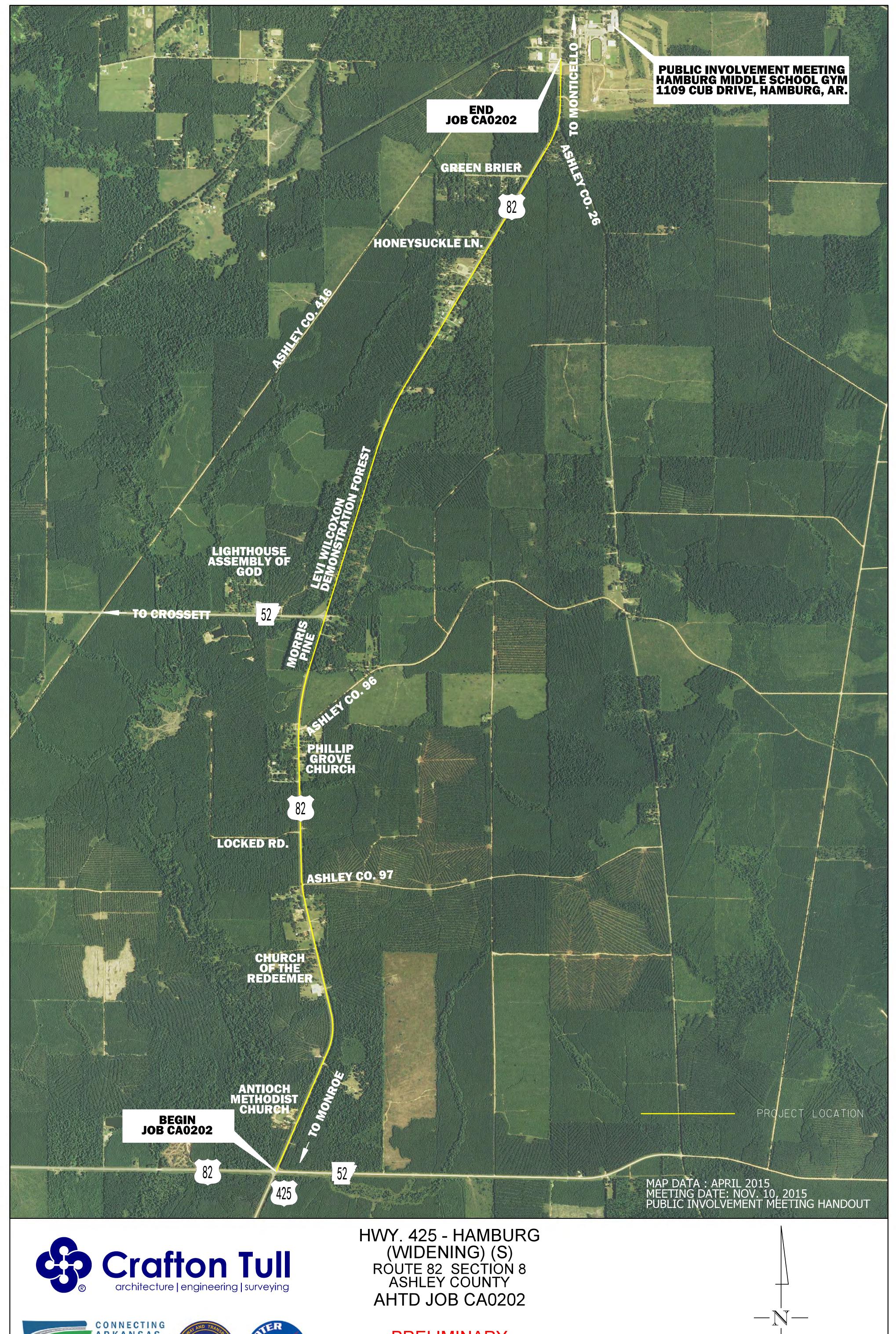


PRELIMINARY SUBJECT TO REVISION



CONNECTING

ARKANSAS PROGRAM

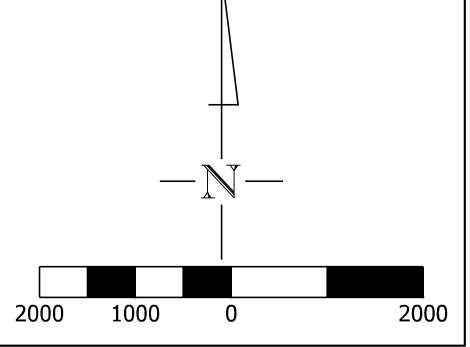


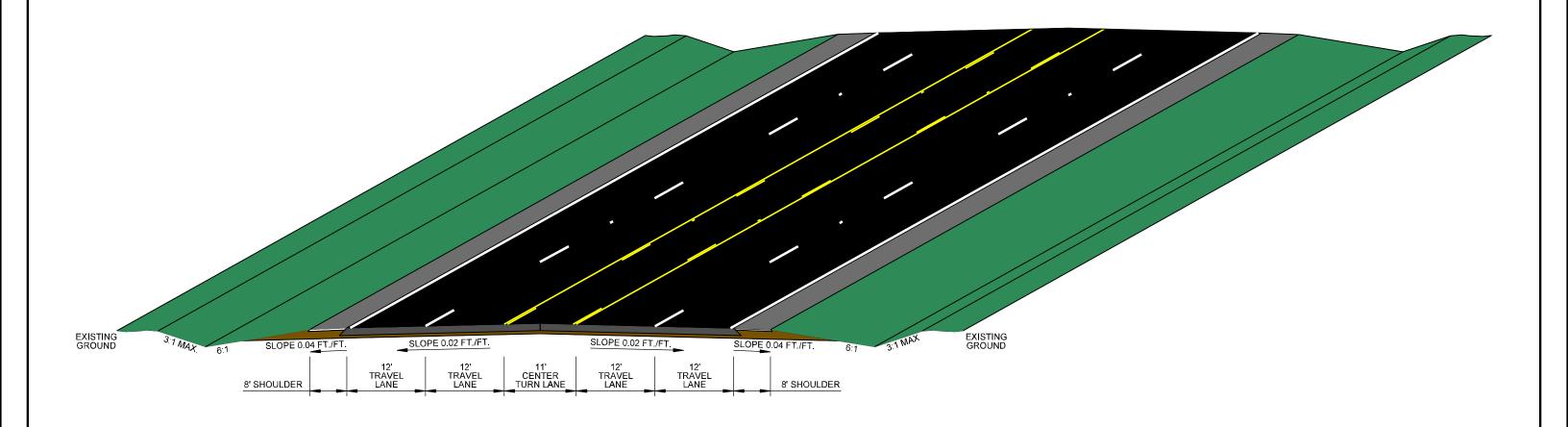






PRELIMINARY SUBJECT TO REVISION





TYPICAL SECTION OF IMPROVEMENTS HWY 82

PRELIMINARY SUBJECT TO REVISION



HWY. 425 - HAMBURG (WIDENING) (S) ROUTE 82 SECTION 8 ASHLEY COUNTY AHTD JOB CA0202







AHTD ENVIRONMENTAL IMPACTS ASSESSMENT FORM

AHTD Job Nu	mber CA0202	FAP Number	
Job Title	Hwy 425-Hambu	rg (Widening) (S), Ashley County	

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary minor impacts
Cultural Resources		х		MOA to be developed for impacts to Levi Wilcoxon Demonstration Forest (AS0034)
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife	X			
Floodplains		X		Floodplain encroachments, no change to BFE
Forest Service Property	Х			
Hazardous Materials/Landfills	Х			
Land Use Impacts	X			
Migratory Birds		X		Include in Special Provisions
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		Х		Up to 396 linear feet of impacts
Water Quality	1	Х		Temporary during construction
Wetlands	1	X		1.23 acres of impacts
Wildlife Refuges	X			

Section 4(f)/6(f)	X					
Social	X					
Underground Storage Tanks	X					
Visual Impacts	X					
Stream Impacts		X	Up	to 396 linear	feet of impacts	
Water Quality	- 1	X	Tem	porary during	g construction	
Wetlands	44 4	X		acres of imp		
Wildlife Refuges	X					
Section 401 Water Quality Certifical Short-term Activity Authorization Resection 404 Permit Required? Remarks: Mitigation will be calcumitigation bank.	Required?		Yes Yes Yes ermit applicat	Typeion and mitiga	Nationwide 14 ation through an approv	ed
Signature of Evaluator	Od 15	udmk		Date	2/11/16	
5/17/2011						

DESIGN INFORMATION

Job Number <u>CA0202</u> FAP Number	County_ Ashley
Job Name Highway 425- Hamburg (Wideni	ng) (S)
Design Engineer Crafton Tull	
Brief Project Description Approximately 5.4	miles of the existing two lane roadway will
be widened to a 5 lane section.	
EXISTING CONDITIONS:	
Roadway Width: 24'	Shoulder Width: <u>3'-6'</u>
Number of Lanes and Width: 2 @ 12'	
Average Existing ROW Width 120'	
PROPOSED CONDITIONS:	
Roadway Width: 59'	Shoulder Width: 8'
Number of Lanes and Width: 4 @ 12' and '	l @ 11' center turn lane
Average Proposed ROW Width 165'	
CONSTRUCTION INFORMATION:	
If detour: Where N/A	Length N/A
DESIGN DATA:	
2016 ADT 4200 2036 ADT 5000	%Trucks <u>17</u> Design Speed <u>45/60 mph</u>
Approximate total length of project:	<u>5.4</u> mile(s)
Justification for improvements: To increase	e both safety and capacity of this major rural
arterial.	



DEPARTMENT OF THE ARMY

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

July 19, 2018

Regulatory Division

NATIONWIDE PERMIT NO. MVK 2017-00565

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 5.4 miles of U.S. Highway 82 from two lanes to four lanes. Proposed improvements include four 12-footwide travel lanes, 8-foot-wide shoulders and an 11-foot-wide painted median. The project will be constructed on existing alignment and will cross seventeen streams impacting approximately 2,167 linear feet. Three of the streams are perennial and fourteen are ephemeral. Impacts will primarily be the extension of existing culverts and aligning the channels with the culverts. Stream impacts at each crossing will be less than 300 linear feet and 0.1 acres except for Stream 9 where approximately 684 linear feet will be relocated to the toe of the embankment slope. Stream 9 is an ephemeral stream which functions as a roadside channel. Relocating the stream will not result in any loss of stream functions or services. The project will impact eleven wetland areas totaling 1.1 acres that are located adjacent to the stream crossings. Approximately 30 acres of additional right-of-way will be required for the project. The project will impact the Levi Wilcoxson Demonstration Forest which is eligible for the National Register of Historic Places. There are no threatened or endangered species impacts.

The project is located immediately south of Hamburg in sections 3, 10 and 15, T. 18 S., R. 7 W., and in sections 26, 27 and 34, T. 17 S., R. 7 W., Ashley County, Arkansas. A vicinity map, project location map, wetland and stream impact maps, and a wetland mitigation worksheet are enclosed.

The proposed activities are authorized by 17 Department of the Army Nationwide Permits (NWP's) **No. 14** (copy enclosed), provided that the following **Special Conditions** 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 Conditions:

- 1. ArDOT agrees to mitigate for the adverse impacts to 1.1 acres of wetlands with 9.98 wetland credits at 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.
- 2. ArDOT agrees to comply with the mitigation report titled, <u>FULFILLMENT OF MEMORANDUM OF AGREEMENT BETWEEN THE ARKANSAS STATE HISTORIC PRESERVATION OFFICER AND THE ARKANSAS DEPARTMENT OF TRANSPORTATION FOR IMPACTS TO THE LEVI WILCOXON DEMONSTRATION FOREST (AS0034) ARDOT JOB NUMBER CA0202 HWY. 425 HAMBURG (WIDENING) (S) ASHLEY COUNTY, ARKANSAS, and dated January 2018.</u>

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.

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.

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 at the ADEQ, Water Division, 5301 Northshore Drive, North Little Rock, Arkansas 72118, telephone (501) 682-0040.

The NWP determination will be valid until March 18, 2022. If NWP No. 14 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 2017-00565, U.S. Highway 82 widening south of Hamburg (ArDOT Project No. CA0202).

Sincerely,

Sarah Chitwood

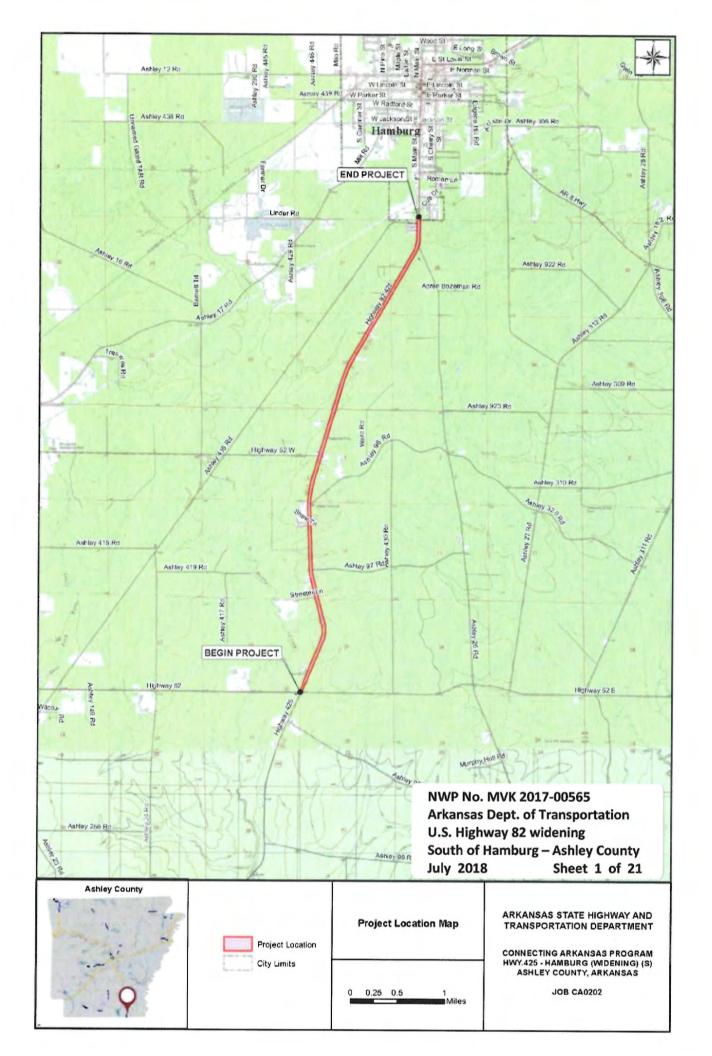
Chief, Regulatory Evaluation Branch

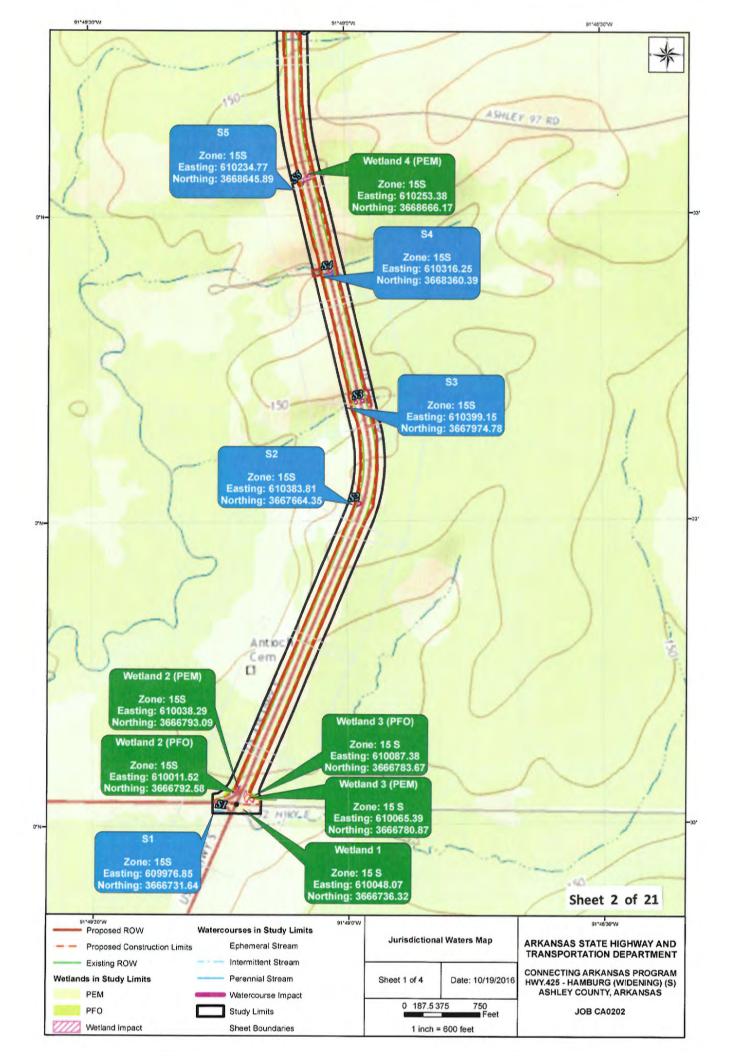
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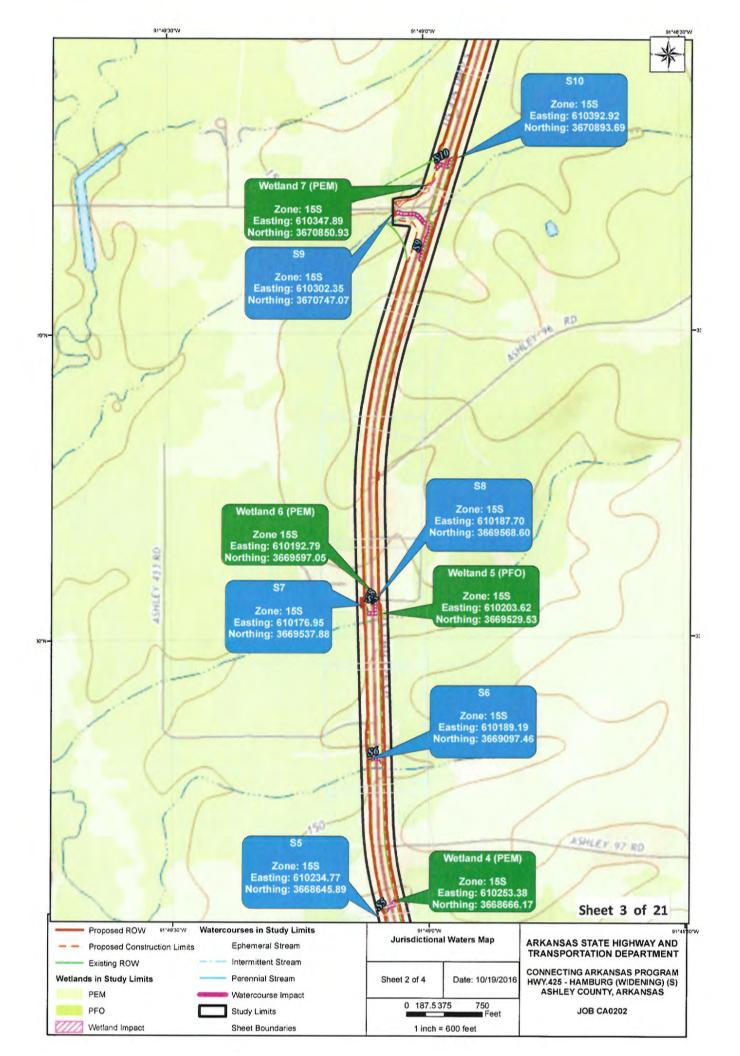
Vicksburg District Regulatory, w/cy dwgs

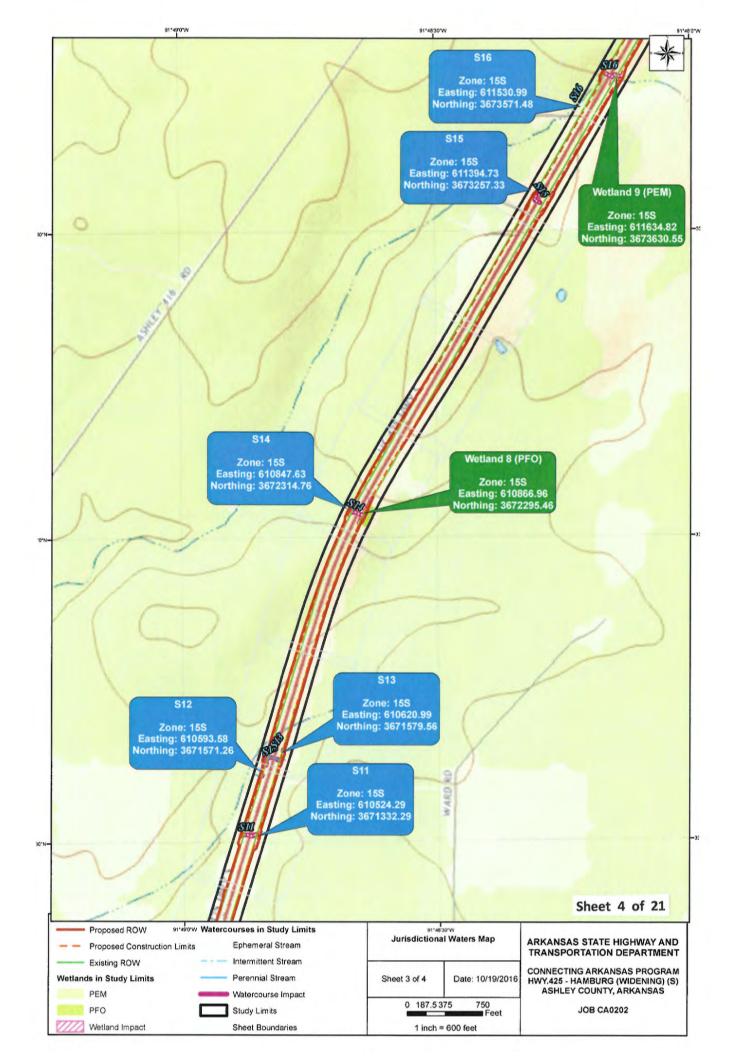
Ms. Melanie Treat, Arkansas Department of Environmental Quality, w/cy dwgs

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

















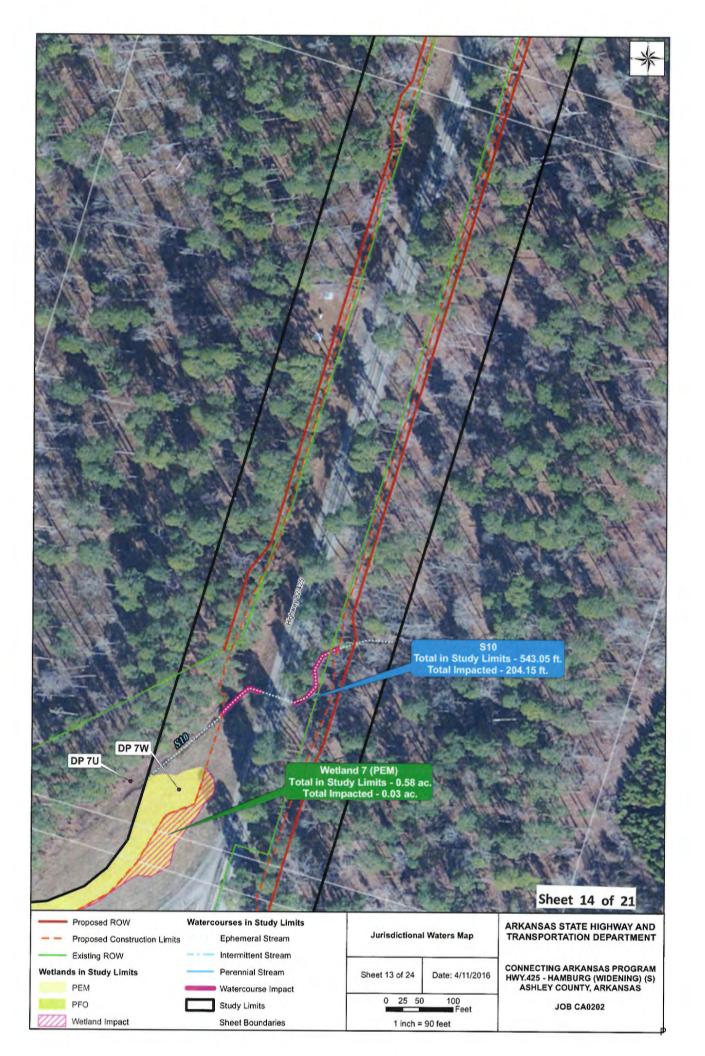






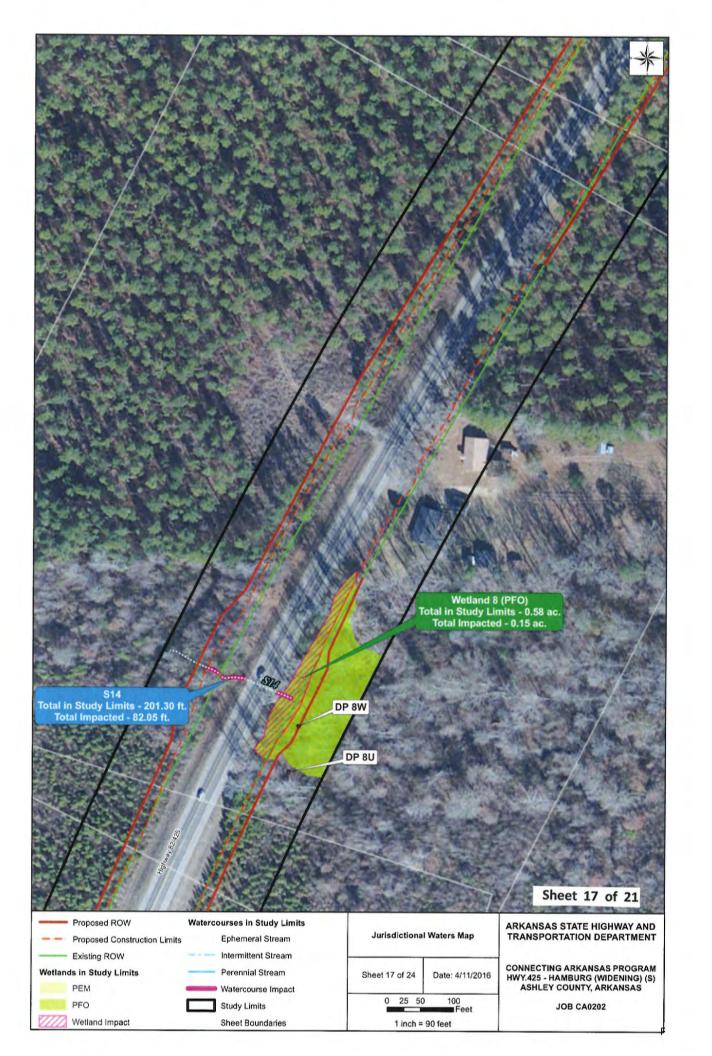






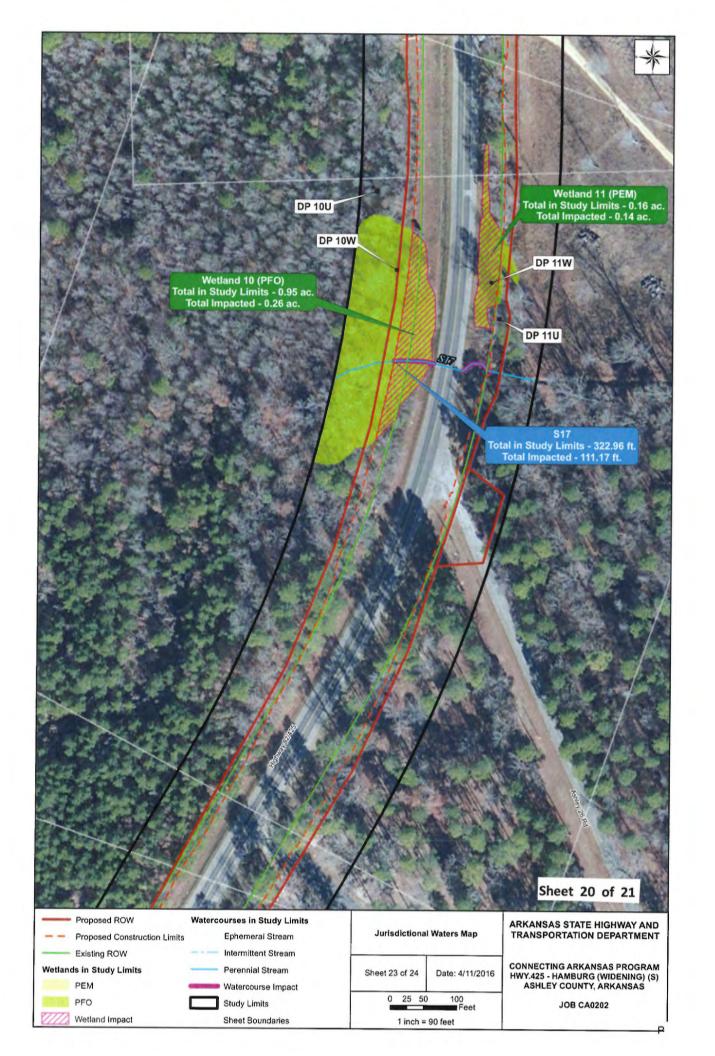












		entire.	Required Miti	Mitigation	ι Credits V	Vorksheet	for a Cor	igation Credits Worksheet for a Commercial Mitigation Bank	Witigation	Bank				
Factor	Wetland 1	Wetland 2a	Wetland 2b	Wetland 3a	Wetland 3b	Wetland 4	Wetland 5	Wetland 6	Wetland 7	Wetland 8	Wetland 9	Wetland 10	Wetland 11	TOTALS
Wetland Type	Emergent	Forested	Emergent	Forested	Emergent	Emergent	Forested	Emergent	Emergent	Forested	Emergent	Forested	Emergent	
lost Tyne	Туре В	Туре А	Туре В	Type A	Type B	Type B	Type A	Туре В	Type B	Type A	Type B	Туре А	Type B	
9dk - 200	0.2	3.0	0.2	3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	3.0	0.2	
Priority Category	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary								
indiry caregory	0.5	0.5	0.5	5'0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Existing	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired								
Condition	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Duration	Över 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	****						
5	2.0	2.0	2.0	2.0	2,0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Dominant	Ē	臣	Ē	Ē	ī	HH	Fill	FIII	Fill	Fill	H	Ē	III	
Impact	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Cumulative	Low	Low	Low	том	Low	Low								
Impact	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Location	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site								
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sum of r Factors (Rx)	7.7	10.5	ĽĽ	10.5	7.7	7.7	10.5	7.7	7.7	10.5	7.7	10.5	7.7	
Impacted Area (AAx)	0.07	0.04	0.01	0.01	0.13	0.03	0.08	0.05	0.03	0.15	0.1	0.26	0.14	1.1
RxAA=	0.54	0.42	80.0	0.11	1.00	0.23	0.84	0.39	0.23	1.58	0.77	2.73	1.08	96.6

9.98 3.5 2.85 **Credit per acre at Commercial Mitigation Bank = Total Required Credits = $\Sigma(RxAA)$ = Acres =

Assume that the commercial mitigation site's service area will cover the project area in the Bayou Bartholomew 8-digit HUC (Pelican Foster Mitigation Bank or Lower Cutoff Mitigation Bank).
Assume commercial mitigation bank credit per acre of 3.5.



DEPARTMENT OF THE ARMY

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

July 19, 2018

Regulatory Division

NATIONWIDE PERMIT NO. MVK 2017-00565

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 5.4 miles of U.S. Highway 82 from two lanes to four lanes. Proposed improvements include four 12-footwide travel lanes, 8-foot-wide shoulders and an 11-foot-wide painted median. The project will be constructed on existing alignment and will cross seventeen streams impacting approximately 2,167 linear feet. Three of the streams are perennial and fourteen are ephemeral. Impacts will primarily be the extension of existing culverts and aligning the channels with the culverts. Stream impacts at each crossing will be less than 300 linear feet and 0.1 acres except for Stream 9 where approximately 684 linear feet will be relocated to the toe of the embankment slope. Stream 9 is an ephemeral stream which functions as a roadside channel. Relocating the stream will not result in any loss of stream functions or services. The project will impact eleven wetland areas totaling 1.1 acres that are located adjacent to the stream crossings. Approximately 30 acres of additional right-of-way will be required for the project. The project will impact the Levi Wilcoxson Demonstration Forest which is eligible for the National Register of Historic Places. There are no threatened or endangered species impacts.

The project is located immediately south of Hamburg in sections 3, 10 and 15, T. 18 S., R. 7 W., and in sections 26, 27 and 34, T. 17 S., R. 7 W., Ashley County, Arkansas. A vicinity map, project location map, wetland and stream impact maps, and a wetland mitigation worksheet are enclosed.

The proposed activities are authorized by 17 Department of the Army Nationwide Permits (NWP's) **No. 14** (copy enclosed), provided that the following **Special Conditions** 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 Conditions:

- 1. ArDOT agrees to mitigate for the adverse impacts to 1.1 acres of wetlands with 9.98 wetland credits at 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.
- 2. ArDOT agrees to comply with the mitigation report titled, <u>FULFILLMENT OF MEMORANDUM OF AGREEMENT BETWEEN THE ARKANSAS STATE HISTORIC PRESERVATION OFFICER AND THE ARKANSAS DEPARTMENT OF TRANSPORTATION FOR IMPACTS TO THE LEVI WILCOXON DEMONSTRATION FOREST (AS0034) ARDOT JOB NUMBER CA0202 HWY. 425 HAMBURG (WIDENING) (S) ASHLEY COUNTY, ARKANSAS, and dated January 2018.</u>

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.

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.

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 at the ADEQ, Water Division, 5301 Northshore Drive, North Little Rock, Arkansas 72118, telephone (501) 682-0040.

The NWP determination will be valid until March 18, 2022. If NWP No. 14 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 2017-00565, U.S. Highway 82 widening south of Hamburg (ArDOT Project No. CA0202).

Sincerely,

Sarah Chitwood

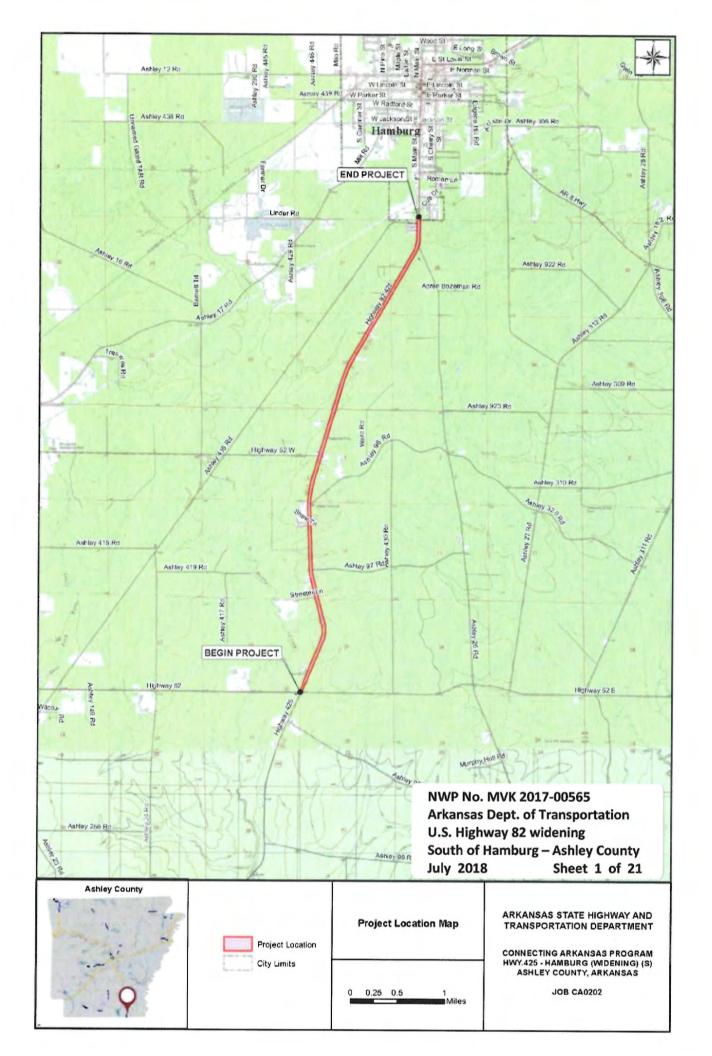
Chief, Regulatory Evaluation Branch

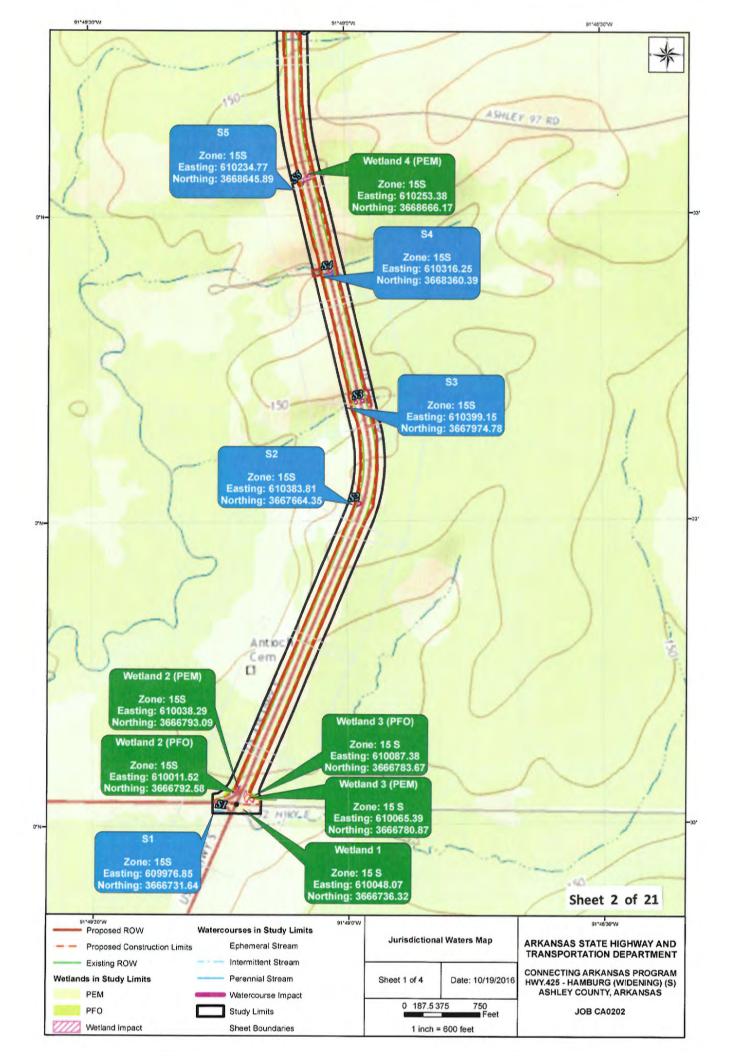
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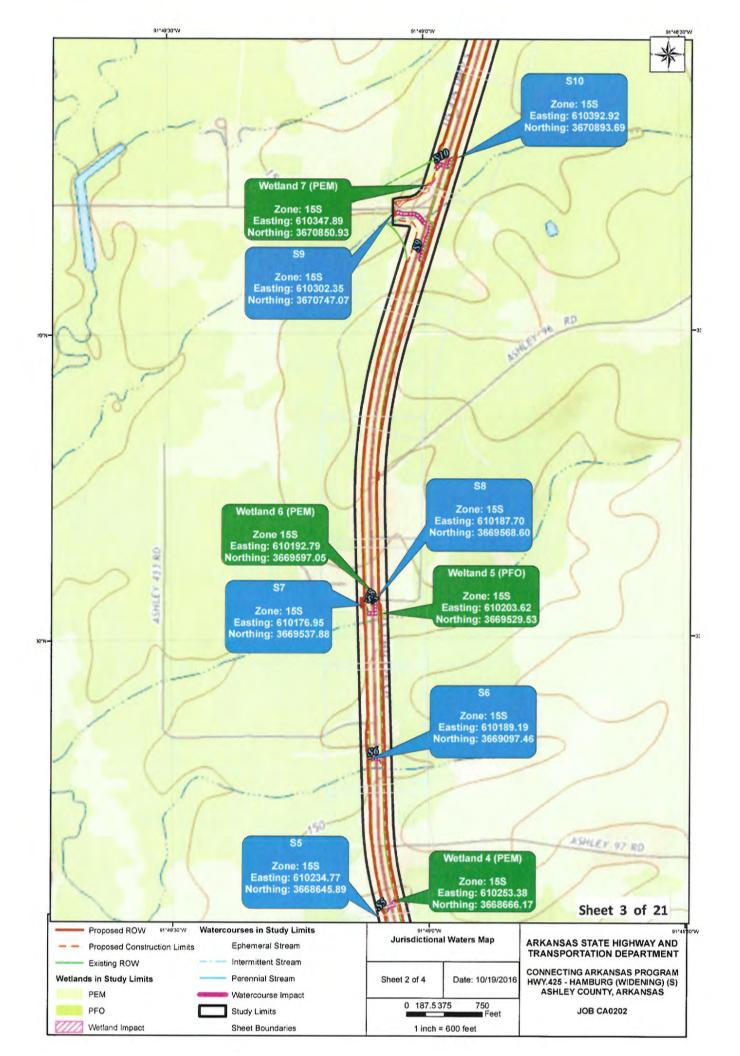
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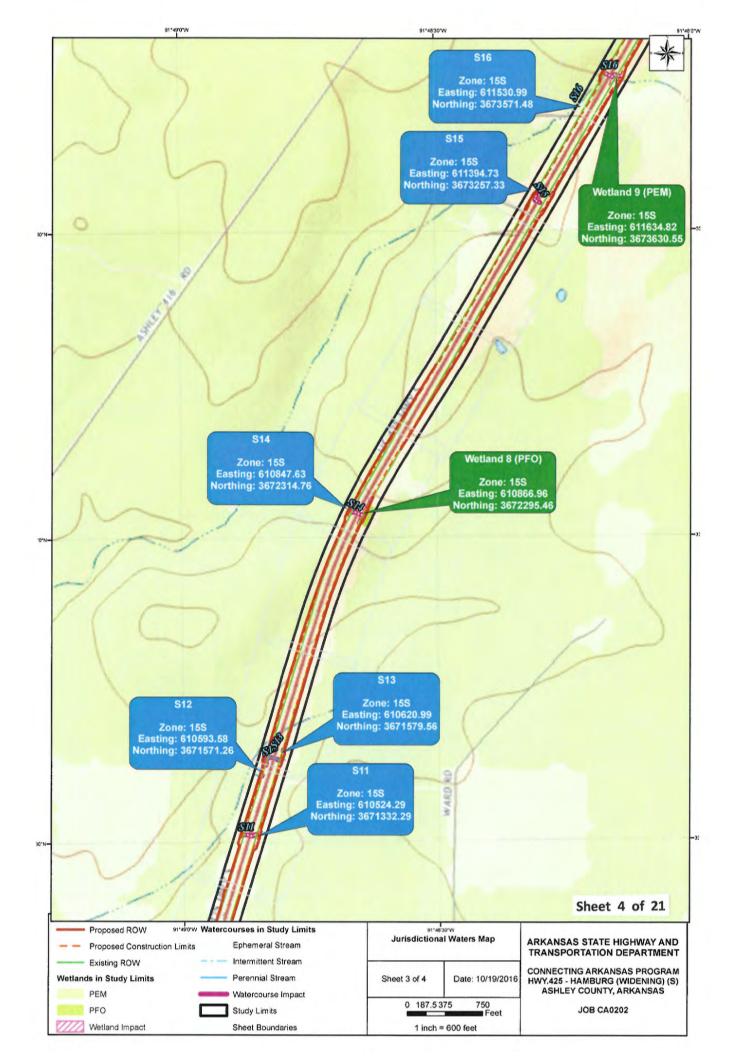
Ms. Melanie Treat, Arkansas Department of Environmental Quality, w/cy dwgs

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

















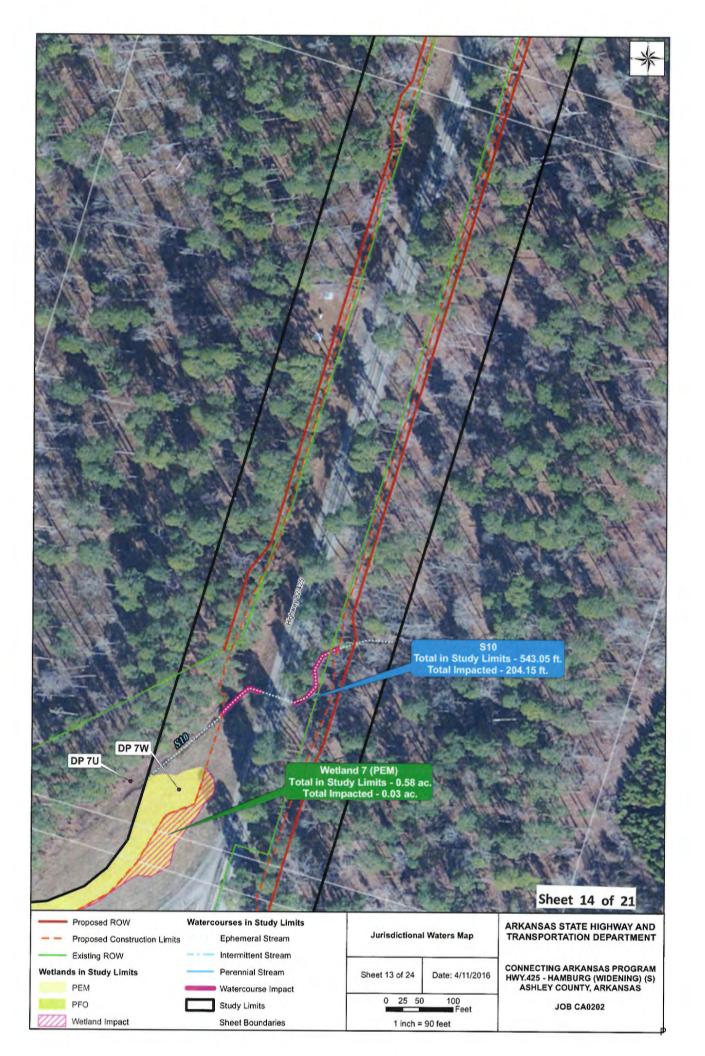






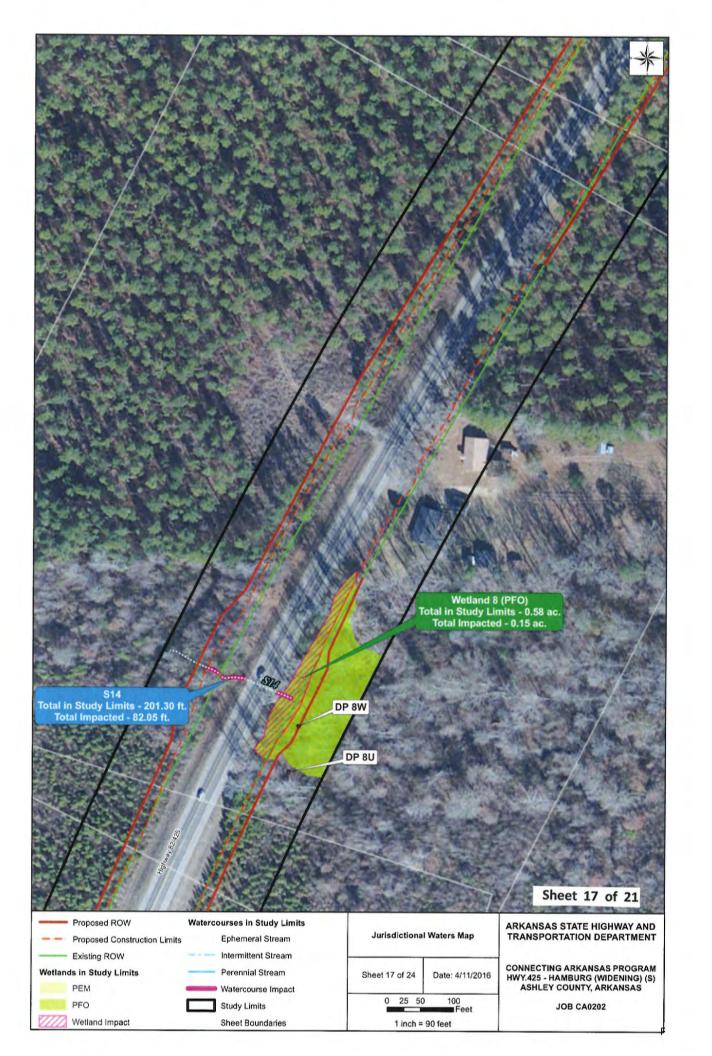






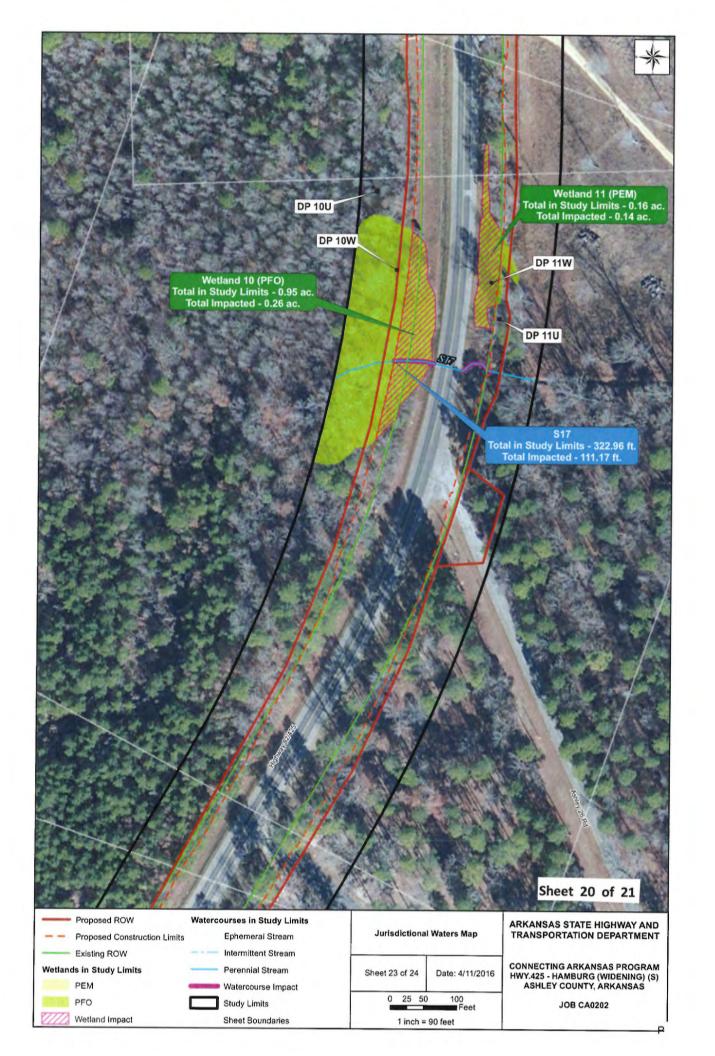












		-	Required Mitigation Credits Worksheet for a Commercial Mitigation Bank	Mitigatior	ι Credits V	Vorksheet	for a Con	nmercial l	Vitigation	Bank				
Factor	Wetland 1	Wetland 2a	Wetland 2b	Wetland 3a	Wetland 3b	Wetland 4	Wetland 5	Wetland 6	Wetland 7	Wetland 8	Wetland 9	Wetland 10	Wetland 11	TOTALS
Wetland Type	Emergent	Forested	Emergent	Forested	Emergent	Emergent	Forested	Emergent	Emergent	Forested	Emergent	Forested	Emergent	
oct Tyno	Type B	Туре А	Type B	Type A	Type B	Type B	Type A	Type B	Type B	Type A	Type B	Type A	Type B	
rost type	0.2	3.0	0.2	3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	3.0	0.2	
Driority Cotogogy	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	Tertiary	
riidiity category	0.5	5.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Existing	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	Slightly impaired	
Condition	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Direction	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	Over 10	
	2.0	2.0	2.0	2,0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Dominant	FIII	III	臣	Ē	æ	Fill	Œ	Ē	Œ	Ē	Œ	Fill	FIII	
Impact	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Cumulative	Low	Low	Low	Low	Fow	Low								
Impact	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Location	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	***************************************
Sum of r Factors (Rx)	7.7	10.5	7.7	10.5	7.7	7.7	10.5	7.7	7.7	10.5	7.7	10,5	7.7	
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