

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

INTER OFFICE MEMORANDUM

June 5, 2017

TO: Master Files

FROM: *JF* John Fleming, Division Head, Environmental Division *hprice*

SUBJECT: AHTD Job Number 080505
FAP Number STPB-0023(50)
Greenbrier Creek Str. & Apprs. (S)
Bridge Number M3802
Faulkner 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 on Highway 225 over Greenbrier Creek, in the City of Greenbrier in Faulkner County. Total length of the project is approximately 0.1 mile. A project location map is attached.

Highway 225 currently consists of two 10-foot wide paved lanes with no shoulders. The proposed project would widen the highway to two 12-foot wide paved travel lanes with 8-foot wide shoulders (4 feet paved, 4 feet unpaved). The average right of way width would increase from 80 feet to 122 feet. Approximately 0.55 acre new right of way and 0.1 acre temporary construction easement will be acquired.

The existing weight-restricted bridge is a 33' x 29' steel stringer/multi-beam or girder with a sufficiency rating of 51.4. The proposed structure would be a quadruple-barreled, 12' x 7' x 72' reinforced concrete box culvert constructed on the existing alignment. Highway 225 will be temporarily closed during construction with an official detour route signed.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2018	1,600 vpd	9	40 mph
2038	2,300 vpd	9	40 mph

There are no relocations, public water supplies, endangered species, cultural resources, wetlands, environmental justice populations, hazardous materials, or prime farmland impacted by the proposed project. State Historic Preservation Officer clearance is attached.

Based upon the AHTD's *Policy on Highway Traffic Noise Abatement*, 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 noise source. A noise analysis will be required if changes to the proposed project result in reclassification to a Type I project.


There will be minor impacts to Greenbrier Creek and one of its small, unnamed tributaries. Impacts to each of the streams will total less than 0.1 acre. Construction should be allowed under terms of a Section 404 Nationwide 14 Permit for Linear Transportation Projects as defined in the Federal Register 82(4):1860-2008.

Faulkner 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 AE, 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.

Attachments:

Project Location Map
SHPO Clearance
Environmental Study Checklist
Design Sheet

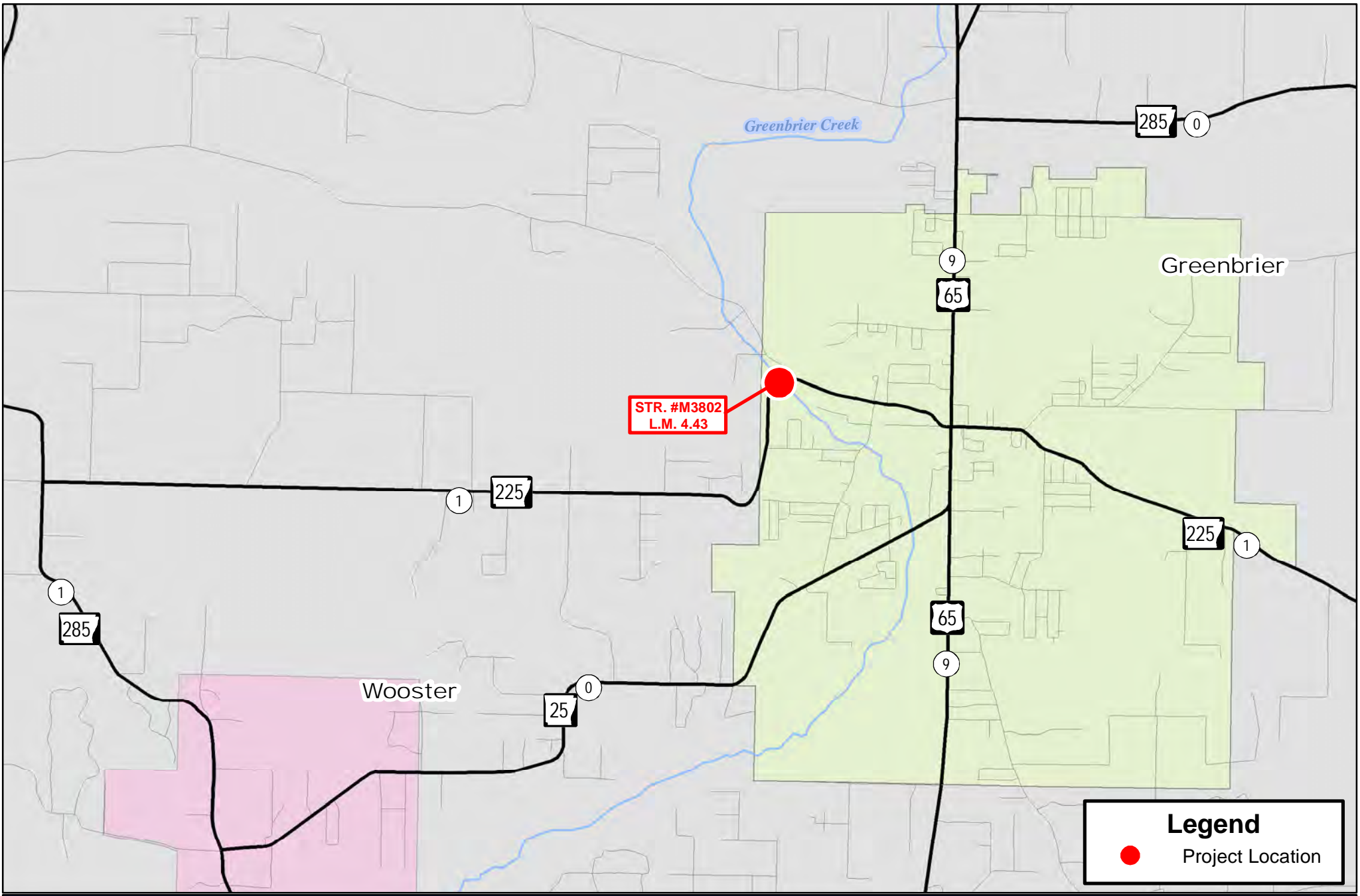
Approved:



Kevin Thornton
Assistant Chief Engineer-Planning

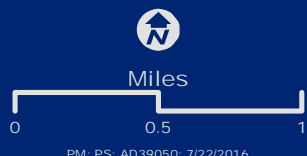
JF:SS:fc

c: Program Management
Right of Way
Roadway Design
District 8
FHWA
Master File



Legend
● Project Location

Job 080505
Greenbrier Creek Str. & Apprs. (S)
Hwy. 225, Sec. 1
Faulkner County



ARKANSAS STATE HIGHWAY
AND
TRANSPORTATION DEPARTMENT

FHWA
98141

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April 27, 2017

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ENVIRONMENTAL
DIVISION

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

Re: AHTD Job Number 080505
Greenbrier Creek Str. & Apprs. (S)
Faulkner County

Dear Ms. Hurst:

A Project Identification Form for the referenced project is enclosed. Please review for concurrence with the findings of my staff. If you have any questions or require additional information, please contact William McAlexander of my staff at 501-569-2078.

Sincerely,

John Fleming
Division Head
Environmental Division

Enclosure
PIF

JF:DW:WM:ym

Date: MAY 03 2017

No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.

Arkansas State Historic Preservation Office

MAY 03 2017

AHTD ENVIRONMENTAL IMPACTS ASSESSMENT FORM

AHTD Job Number 080505 FAP Number STPB-0023(50)
 Job Title Greenbrier Creek Str. & Apprs.

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		Temporary road closure & detour
Cultural Resources	X			
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife		X		Minor vegetation clearing
Floodplains		X		Floodplain permit required
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts		X		0.55 acre ROW / 0.1 acre TCE
Migratory Birds	X			Migratory bird SP added
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			Bridge replaced on existing alignment
Stream Impacts		X		Temporary during construction
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 Permit #14

Remarks: _____

Signature of Evaluator Susan Stapfield Date June 2, 2017

ROADWAY DESIGN REQUESTJob Number 080505 FAP No. STPB-0023(50) County FaulknerJob Name Greenbrier Creek Str. & Apprs. (S)Design Engineer Stephen Sichmeller Environmental Staff _____Brief Project Description Replacement of a bridge with a box culvert.

A. Existing Conditions:

Roadway Width: 20' Shoulder Type/Width: 0'Number of Lanes and Width: 2 @ 10' Proposed Right-of-Way: 80'Sidewalks? No Location: _____ Width: _____Bike Lanes? No Location: _____ Width: _____

B. Proposed Conditions:

Roadway Width: 24' Shoulder Type/Width: 8' Total
(4' Paved, 4' Unpaved)Number of Lanes and Width: 2 @ 12' Proposed Right-of-Way: 122'Sidewalks? No Location: _____ Width: _____Bike Lanes? No Location: _____ Width: _____

C. Construction Information:

If detour: Where: N/A Length: N/A

D. Design Traffic Data:

2018 ADT: 1600 2038 ADT: 2300 % Trucks: 9
Design Speed: 40 m.p.h.E. Approximate total length of project: 0.095 mile(s)F. Justification for proposed improvements: Bridge is structurally deficient.G. Total Relocates: 0 Residences: 0 Businesses: 0H. Have you coordinated with any outside agencies (e.g., FHWA, City, County, etc.)? Yes

Agency/Official	Person Contacted	Date
City of Greenbrier	Sammy Hartwick	2-21-17