

Programmatic Categorical Exclusion

Reevaluation

State Route (SR) 1

Bridge over Muddy Creek, Log Mile (LM) 2.13 (IA)

Haywood County

PIN 128113.03

Submitted Pursuant to the National Environmental Policy Act of 1969, 42 U.S.C. 4332(2)(c)

Sharon Sanders Digitally signed by Sharon Sanders
Date: 2019.10.01 23:25:48 -05'00'

10/1/2019

Tennessee Department of Transportation

Date

Project Information

General Information

Route: State Route (SR) 1
Termini: Bridge over Muddy Creek, LM 2.13 (IA)
County: Haywood
PIN: 128113.03
Plans: Preliminary Plans
Date of Plans: 06/12/2019

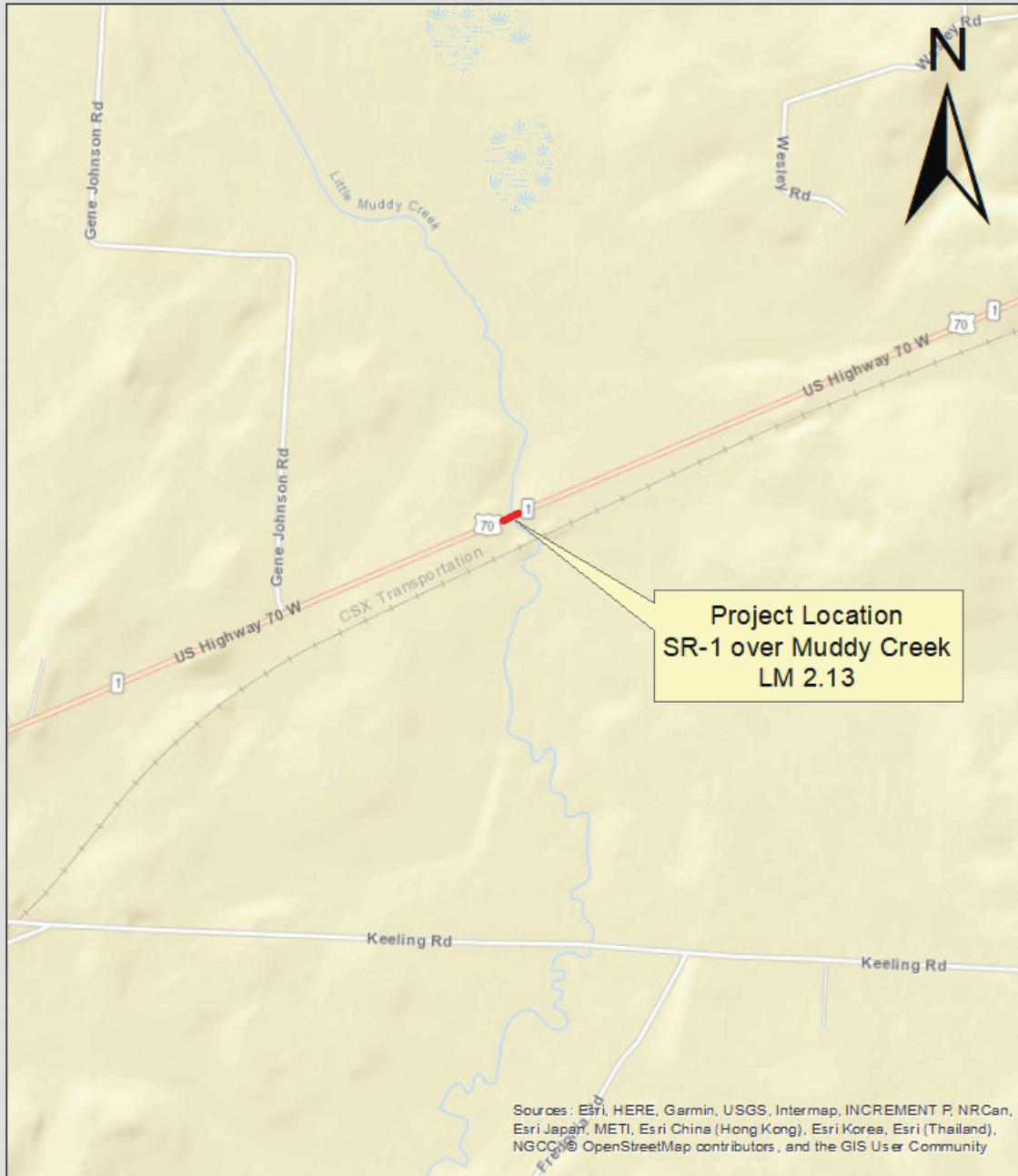
Project Funding

Planning Area: Southwest Rural Planning Organization (RPO)
STIP/TIP: 1799003 National Highway Performance Program (NHPP) Grouping

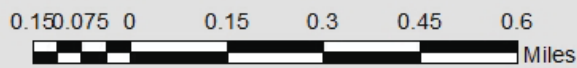
Funding Source	Preliminary Engineering	Right-of-Way	Construction
Federal	BR-NH-1(382)	BR-NH-1(382)	BR-NH-1(382)
State	38002-0216-94	38002-2216-94	38002-3216-94

Project Location

Project Location Map PIN 128113.03 Tipton County SR-1 Bridge over Muddy Creek (LM 2.13)



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, OpenStreetMap contributors, and the GIS User Community



-----End Section-----

Reevaluation Information

Reason for Reevaluation

- It has been more than three years since approval of the previous environmental documentation.
- Changes to applicable laws, regulations, and procedures.
- Changes to the project design or scope of work.
- Changes to the project location or existing conditions.
- Record of continuing project development and activity.

Previous Documentation

Document Type	Approval Date	Type of Plans	Date of Plans
Programmatic Categorical Exclusion	08/24/2018	Transportation Investment Report	04/02/2018

Reevaluation Emphasis

Is this reevaluation focusing on a specific portion of the original project?

No

Project Overview

Introduction

The Tennessee Department of Transportation (TDOT), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the SR-1 Bridge over Muddy Creek at LM 2.13 in Haywood County, TN.

Background

This project was originally developed under PIN 124505.00. Since the approval of the Programmatic Categorical Exclusion (PCE), the PIN was changed to 128113.03. The PCE was approved on 08/24/2018 based on a Transportation Investment Report (TIR) dated 04/02/2018.

The environmental effects of the proposed project have been re-evaluated based on Preliminary Plans dated 06/12/2019 in order to document revisions in Right-of-Way (ROW) acquisition, which has increased from approximately 0.34 acres to 1.47 acres. Through coordination with the FHWA Tennessee Division Office, it was determined that the increase in ROW acquisition would not require a change in document level.

Existing Conditions

Have there been any changes to the existing conditions?

No

-----End Section-----

Project Development

Purpose

Have there been any changes to the goals and purpose of the project?

No

Need

Have there been any changes to the conditions or issues the project is intending to address?

No

Range of Alternatives

Have any new build design alternatives been developed for this project?

No

Public Involvement

Has there been any public involvement since the approval of the previous documentation?

No

-----End Section-----

Project Design

Existing Layout

Have there been any changes to the existing layout?

No

Proposed Layout

Have there been any changes to the proposed layout?

No

Typical Section

Have there been any changes to the typical section?

Yes

The typical section described in the PCE, approved on 08/24/2018, describes the proposed typical section as consisting of two 12-foot travel lanes with eight-foot shoulders. The Preliminary Plans dated 06/12/2019 depicts the structure as consisting of two 12-foot travel lanes with six-foot shoulders.

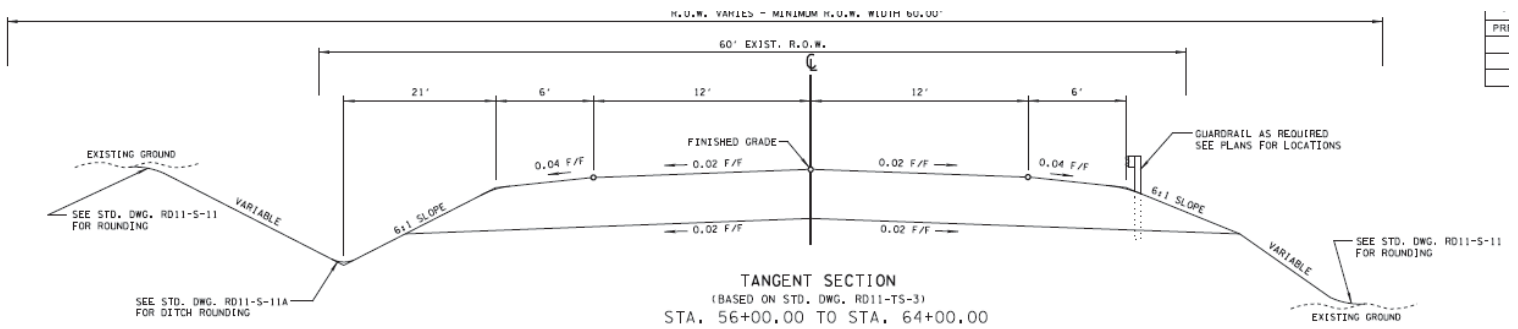


Figure 1. Tangent section of the bridge over Muddy Creek, Preliminary Plans dated 06/12/2019

Scope of Work

Have there been any changes to the scope of work?

Yes

The scope of work described in the PCE, approved on 08/24/2018, describes the proposed structure as a 70-foot long, two-span prestressed box beam structure. The Preliminary Plans, dated 06/12/2019, shows the proposed structure as a 70-foot single span bridge.

Right-of-Way

Have there been changes to the amount of right-of-way or easements required for the project?

Yes

	Right-of-Way (ROW) Acquisition Table				Total
	Permanent		Temporary		
	ROW Acquisition	Drainage Easements	Slope Easements	Construction Easements	
Previous:	0.34	0	0	0	0.34
Current:	1.47	0	0	0	1.47

*Totals are calculated in acreage

Relocations and Displacements

Have there been any changes to the amount of displacements and relocations?

No

Through coordination with the FHWA Tennessee Division Office, it was determined that the removal of the vacant structure on Tract 5, if needed, would not result in a displacement.

Access Control

Have there been any changes that impact access to adjacent parcels?

No

Traffic Control

Have there been any changes to traffic control measures, detours or closures?

Yes

The approved PCE documented an official detour route of approximately 26.8 miles, which exceeded the 25-mile threshold for rural detour routes prompting FHWA coordination. Since a local detour route of 21 miles was also proposed, it was determined at that time that the document could be processed as a PCE.

Since the approval of the PCE, traffic control measures have changed. One lane of traffic will be maintained during construction with a traffic signal. Based on coordination with the TDOT Design Build Team, a closure will be not allowed for this project.

Environmental Studies

Does the project require any additional environmental studies at this time?

Yes

-----End Section-----

Environmental Studies

Water Resources

Have there been any changes that impact any streams, wetlands, or rivers in the project area?

Yes

Labels	Type *	Function	Quality	Impacts **		
				Permanent	Temporary	Total
Wetlands						
WTL-1	Depression	Water Retention	Low	0.01 ac.		0.01 ac.
WTL-2	Slope	Wildlife habitat, Nutrient retention	Medium	0.30 ac.	0.10 ac.	0.40 ac.
					Total	0.41 ac.

Labels	Type *	Function	Quality	Impacts **		
				Permanent	Temporary	Total
Streams						
STR-1	Perennial		Undetermined at this time	125 ft		125 ft
					Total	125 ft

* Identification of features has not been reviewed by regulatory agencies and determinations of stream type could possibly be changed.

** Estimated impacts are considered "Preliminary" and will not be completely accurate until the time of Permit Application.

Coordination with the TDOT Ecology Section dated 08/16/2019, located in the Technical Appendices, states, "Based on the plans dated 6/13/2019, an update to the previous environmental boundaries report was necessary. This update, dated 8/16/2019, consisted of one additional wetland with impacts estimated to be less than 0.5 acres. The total number of features present now are one stream and two wetlands. No federally endangered or threatened species are expected to be impacted by the project."

Are there any potential impacts to water resources or natural habitat as a result of this project?

Yes

Mitigation of impacts to water resources or natural habitat will be accomplished through avoidance and minimization of potential impacts during project design such as realignment and special design, construction features or other measures. Permanent impacts will be mitigated through compensatory mitigation alternatives, improvements to existing water resources and natural habitat, or mitigation banking.

Navigable Waterways

Have there been any changes that impact a navigable waterway?

No

Protected Species

Have there been any changes that affect protected species?

Yes

Rare Species List			
Species Name	Status	Species Potential within Right-of-Way	Accommodations
Prairie False-Foxglove, <i>Agalinis heterophylla</i>	State	Low Potential: Not observed during visit	BMP's
Reniform Sedge, <i>Carex reniformis</i>	State	Low Potential: Not observed during visit	BMP's

The PCE approved on 08/24/2018 listed no rare species within a one-mile radius of the project and one rare species, the Reniform Sedge, within a one-to-four mile radius of the project. A search of the TDEC Natural Heritage Inventory Program's rare species database on 07/25/2019 listed the Prairie False-foxglove within a one-mile radius of the project and the Reniform Sedge within the one-to-four mile radius of the project.

Floodplain Management

Have there been any changes to the floodplain location or potential floodplain impacts?

No

Air Quality

Have there been any changes that impact the previous air quality determinations?

No

Noise

Have there been any changes that impact the noise type or require additional noise studies?

No

Farmland

Have there been any changes that affect farmland?

No

Section 4(f)

Have there been changes that involve property protected by Section 4(f) (49 USC 303)?

No

Section 6(f)

Have there been changes that involve property purchased with assistance from the L&WCF?

No

Cultural Resources

Have there been any changes that affect cultural resources?

No

Native American Consultation

Have there been any changes that require Native American consultation?

Yes

Coordination with the TDOT Cultural Resources Section dated 08/27/2019 states, "Letters were sent to the Absentee Shawnee Tribe and the Thlopthlocco Tribal Town on July 16, 2019 to bring NAC [Native American Consultation] into compliance. Neither tribe responded."

Native American Consultation					
Sent	Response		Sent	Response	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Absentee Shawnee Tribe of Oklahoma	<input type="checkbox"/>	<input type="checkbox"/>	Muscogee (Creek) Nation
<input type="checkbox"/>	<input type="checkbox"/>	Cherokee Nation	<input type="checkbox"/>	<input type="checkbox"/>	Poarch Band of Creek Indians
<input type="checkbox"/>	<input type="checkbox"/>	Chickasaw Nation	<input type="checkbox"/>	<input type="checkbox"/>	Quapaw Tribe of Oklahoma
<input type="checkbox"/>	<input type="checkbox"/>	Choctaw Nation of Oklahoma	<input type="checkbox"/>	<input type="checkbox"/>	Shawnee Tribe
<input type="checkbox"/>	<input type="checkbox"/>	Eastern Band of Cherokee Indians	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Thlopthlocco Tribal Town
<input type="checkbox"/>	<input type="checkbox"/>	Eastern Shawnee Tribe of Oklahoma	<input type="checkbox"/>	<input type="checkbox"/>	United Keetoowah Band of Cherokee Indians
<input type="checkbox"/>	<input type="checkbox"/>	Kialegee Tribal Town	<input type="checkbox"/>	<input type="checkbox"/>	Other

Environmental Justice

Have there been any changes that impact low-income or minority populations?

No

Hazardous Materials

Have there been any changes that affect hazardous material sites?

No

Environmental Commitments

Have there been any changes to the environmental commitments?

No

Additional Environmental Issues

Are there any additional environmental concerns involved with this project?

Yes

Additional Environmental Studies									
<input checked="" type="checkbox"/>	Multimodal	<input type="checkbox"/>	Geotechnical	<input type="checkbox"/>	Visual Impacts	<input type="checkbox"/>	Indirect and Cumulative Impacts	<input type="checkbox"/>	Other

Multimodal Transportation

Coordination with TDOT's Multimodal Transportation Resources Division dated 06/19/2019 states, "This project accommodates bicycle and pedestrian traffic with a 6' shoulder in a rural area."

Conclusion

Determination

Does the original document designation remain valid for this project?

Yes

Designation: Programmatic Categorical Exclusion

This federal-aid highway project qualifies for a Categorical Exclusion under 23 C.F.R 771.117(d) and does not exceed the thresholds listed in Section IV(A)(1)(b) of the 2015 Programmatic Agreement between the Federal Highway Administration, Tennessee Division and the Tennessee Department of Transportation. The Department has determined that the specific conditions and criteria for these CE's are satisfied and that significant environmental impacts will not result from this action. This project is therefore designated as a Programmatic Categorical Exclusion and does not require Administration approval.

Supporting Material

All source material and supporting information is included in the attachments and technical appendices. The attachments are located at the end of the environmental document and include information on funding, agency coordination, and memoranda. The technical appendices are compiled as a separate document and include the project plans, technical study reports and other information.

Certification

By signing below, you certify that this document has been prepared in compliance with all applicable environmental laws, regulations and procedures. You can attest to the document's quality, accuracy, and completeness, and that all source material has been verified, compiled and included in the attachments and technical appendices.

Preparer: Payton Croak

Title: TDOT Environmental Studies Specialist

Signature:

Payton Croak

Digitally signed by Payton
Croak
Date: 2019.10.01 15:20:53
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Acronyms

AADT	Annual Average Daily Traffic	NRCS	Natural Resource Conservation Service
ADA	American Disabilities Act	NRHP	National Register of Historic Places
APE	Area of Potential Effect	PCE	Programmatic Categorical Exclusion
BMP	Best Management Practice	PIN	Project Identification Number
CAA	Clean Air Act	PM	Particulate Matter
CE	Categorical Exclusion	PND	Pond
CEQ	Council of Environmental Quality	RCRA	Resource Conservation and Recovery Act
CFR	Code of Federal Regulations	ROW	Right-of-Way
CMAQ	Congestion Management and Air Quality	ROD	Record of Decision
DEIS	Draft Environmental Impact Statement	RPO	Rural Planning Organization
FEMA	Federal Emergency Management Act	SIP	State Implementation Plan
FONSI	Findings of No Significant Impact	SNK	Sinkhole
EA	Environmental Assessment	SR	State Route
EIS	Environmental Impact Statement	STIP	State Transportation Improvement Plan
EJ	Environmental Justice	STR	Stream
EPA	Environmental Protection Agency	TDEC	T.N. Department of Environment and Conservation
EPH	Ephemeral Stream	TDOT	Tennessee Department of Transportation
FHWA	Federal Highway Administration	TIP	Transportation Improvement Program
FIRM	Flood Insurance Rate Map	SHPO	T.N. State Historic Preservation Office
FPPA	Farmland Protection Policy Act	TPO	Transportation Planning Organization
GHG	Greenhouse Gas	TVA	Tennessee Valley Authority
GIS	Geographic Information System	TWRA	Tennessee Wildlife Resource Agency
IAC	Interagency Consultation	USDOT	U.S. Department of Transportation
LWCF	Land and Water Conservation Fund	USACE	U.S. Army Corps of Engineers
LOS	Level of Service	USFWS	U.S. Fish and Wildlife Service
MOA	Memorandum of Agreement	UST	Underground Storage Tank
MOU	Memorandum of Understanding	VMT	Vehicle Miles Travelled
MPO	Metropolitan Planning Organization	VPD	Vehicles Per Day
MSAT	Mobile Source Air Toxicity	WWC	Wet Weather Conveyance
NEPA	National Environmental Policy Act		