



DEPARTMENT OF THE ARMY
MOBILE DISTRICT, CORPS OF ENGINEERS
BIRMINGHAM FIELD OFFICE
218 SUMMIT PARKWAY, SUITE 222
HOMEWOOD, ALABAMA 35209

CESAM-RD-N
PUBLIC NOTICE NO. SAM-2015-00949-CMS

January 11, 2016

JOINT PUBLIC NOTICE
U.S. ARMY CORPS OF ENGINEERS AND
STATE OF ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**PROPOSED PLACEMENT OF FILL MATERIAL IN WATERS OF THE UNITED STATES
IN ASSOCIATION WITH A PROPOSED BRIDGE REPLACEMENT OVER FIVE MILE
CREEK AND ROAD RE-ALIGNMENT PROJECT IN TARRANT, JEFFERSON COUNTY,
ALABAMA**

TO WHOM IT MAY CONCERN: This District has received an application for a Department of the Army (DA) permit pursuant to Section 404 of the Clean Water Act (33 USC 1344). Please communicate this information to interested parties.

APPLICANT: Jefferson County Commission
Attention: Ms. Tracy Pate
A-200 Courthouse
716 Richard Arrington Jr., Blvd. N.
Birmingham, Alabama 35203

AGENT: AECOM
Attention: Ms. Mandy Phillips
3800 Colonnade Parkway Suite 400
Birmingham, Alabama 35243

LOCATION: The proposed project is located in Tarrant, Jefferson County, Alabama (N 33.589288, W 86.76973) within Section 5, Township 17 South, Range 2 West. The project is located in the Locust Fork watershed (HUC 03160111).

PROJECT PURPOSE: The basic project purpose is to replace a structurally deficient bridge.

WORK: The applicant proposes to replace the existing structurally deficient bridge over Five Mile Creek on Springdale Road. The existing bridge is proposed to be replaced with a new structure on a new alignment to the east. The proposed work would include the discharge of dredged and/or fill material into waters of the United States. The bridge piers will be placed outside of the ordinary high water mark. The north bank of Five Mile Creek will be excavated above ordinary high water and sloped back to expand the hydraulic opening. Riprap is proposed to be installed on the north and south banks of Five Mile Creek along a length of 25 linear feet below ordinary high water. The

existing culvert under Springdale Road for the perennial tributary (Stream 2) is proposed for removal. Approximately 130 linear feet of Stream 2 would be filled, and 395 linear feet of Stream 2 would be abandoned. Stream 2 would be relocated on the east side of Springdale Road 150 feet down station and a new box culvert would be constructed at Sta. 15+03 under Springdale Road to tie back in to the existing stream on the west side of Springdale Road.

AVOIDANCE & MINIMIZATION: The applicant considered realigning Stream 2 to an open ditch on the east side of Springdale Road for its entire length. This option would carry flow directly into Five Mile Creek on the upstream end of the bridge, which would require greater stream impacts (1000 linear feet) and acquisition of additional right-of-way. The proposed alignment minimized impacts to waters of the U.S. by placing bent locations outside of Five Mile Creek. Stream 2 impacts were minimized by relocating the least amount of stream necessary.

MITIGATION: The applicant utilized the Mobile District 2012 Compensatory Stream Mitigation Standard Operation Procedures and Guidelines to establish the number of stream credits required to mitigate for stream function loss. The applicant proposes to purchase 1,439 stream credits from an approved Mitigation Bank.

WATER QUALITY: The applicant has applied for certification from the State of Alabama in accordance with Section 401(a) (1) of the Clean Water Act, and upon completion of the required advertising, a determination relative to certification will be made.

This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the U.S. Army Corps of Engineers (USACE) can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and use of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production, and in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments

received will be considered by the USACE to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

LEAD FEDERAL AGENCY ROLE: The Federal Highway Administration (FHWA) is considered the lead federal agency for coordinating and conducting environmental reviews under the National Environmental Policy Act (NEPA). The FHWA is preparing their NEPA documentation for the proposed project; however, a separate USACE decision document would be prepared prior to a final decision concerning issuance or denial of the requested DA permit. Comments received would be used by the USACE in the preparation of any documentation, if required, pursuant to NEPA prior to a final decision concerning issuance or denial of the DA permit.

HISTORIC AND CULTURAL RESOURCES: In accordance with Section 106 of the National Historic Preservation Act, the FHWA is reviewing the proposed undertakings on properties listed in or eligible for listing on the National Register of Historic Places. According to documentation submitted in the application, the Alabama State Historic Preservation Office (SHPO) has reviewed this project and provided concurrence (AHC 03-0155) on September 4, 2014. Copies of this public notice are being sent to the Alabama SHPO for review.

ENDANGERED/THREATENED SPECIES: A preliminary review of this application and the U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants indicated that the proposed activity will not affect listed endangered or threatened species, or their critical habitat. The FHWA is reviewing the project to determine whether the project would have any effects to endangered and threatened species and/or critical habitat. According to documentation provided in the application, the United States Fish and Wildlife Service (USFWS) provided concurrence to the applicant that the project will not affect listed species (2009-TA-0662). Copies of this notice are being sent to the USFWS for review.

Correspondence concerning this Public Notice should refer to Public Notice Number SAM-2015-00949-CMS and should be directed to:

U.S. Army Corps of Engineers Mobile District
Birmingham Field Office
Attn: Courtney Shea
218 Summit Parkway, Suite 222
Homewood, AL 35209

with a copy to the:

Alabama Department of Environmental Management
Post Office Box 301463
Montgomery, Alabama 36130-1463

Comments should be received no later than **30 days** from the date of this Public notice.

If you have any questions concerning this publication, you may contact the project manager via e-mail at **Courtney.M.Shea@usace.army.mil** or telephone number **(205) 290-9096**. Please refer to the above Public Notice number.

For additional information about our Regulatory Program, please visit our web site at <http://www.sam.usace.army.mil/Missions/Regulatory.aspx>, and please take a moment to complete our customer satisfaction survey while you are there. Your responses are appreciated and will allow us to improve our services.

MOBILE DISTRICT
U.S. Army Corps of Engineers

Enclosures

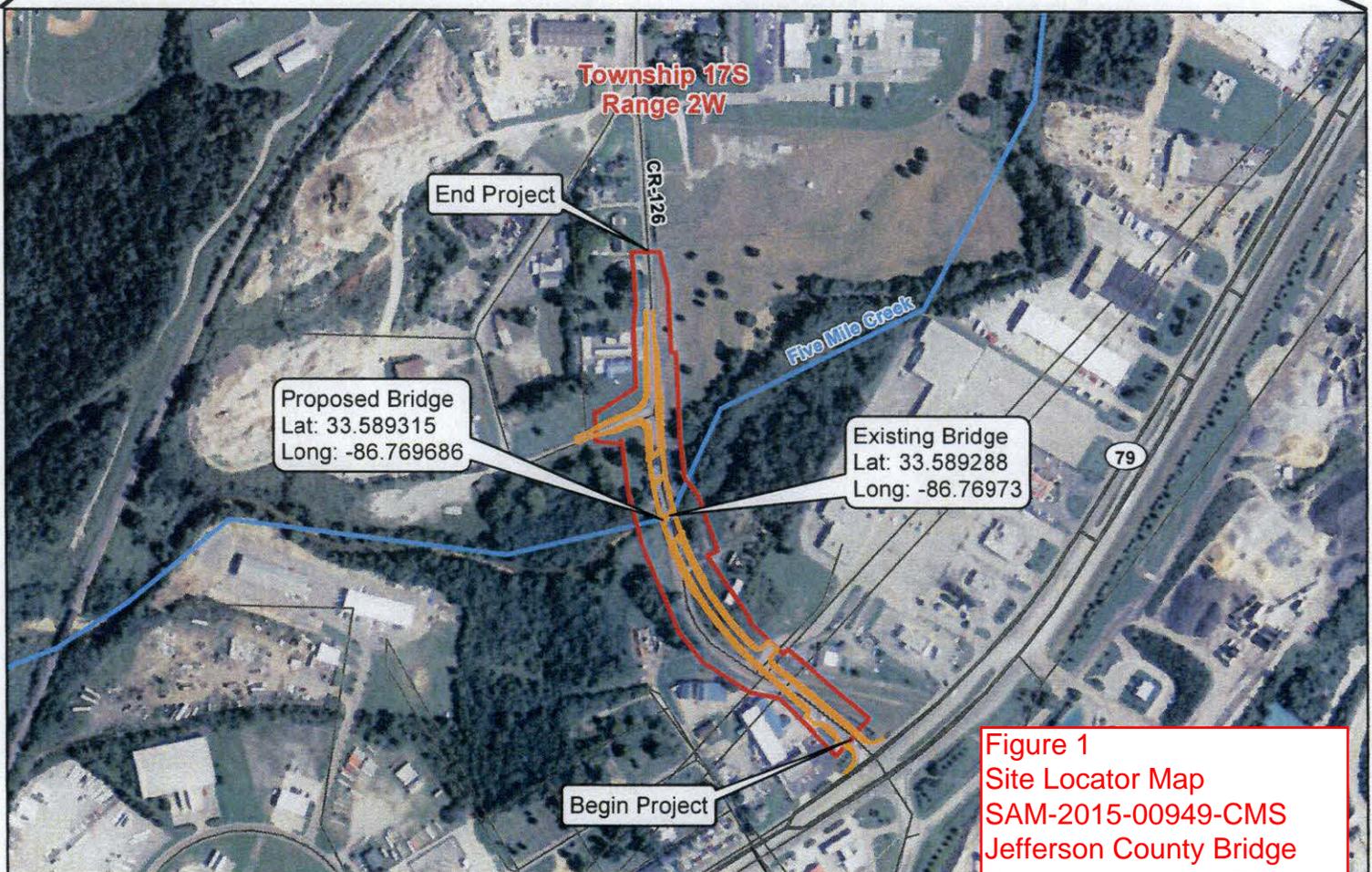
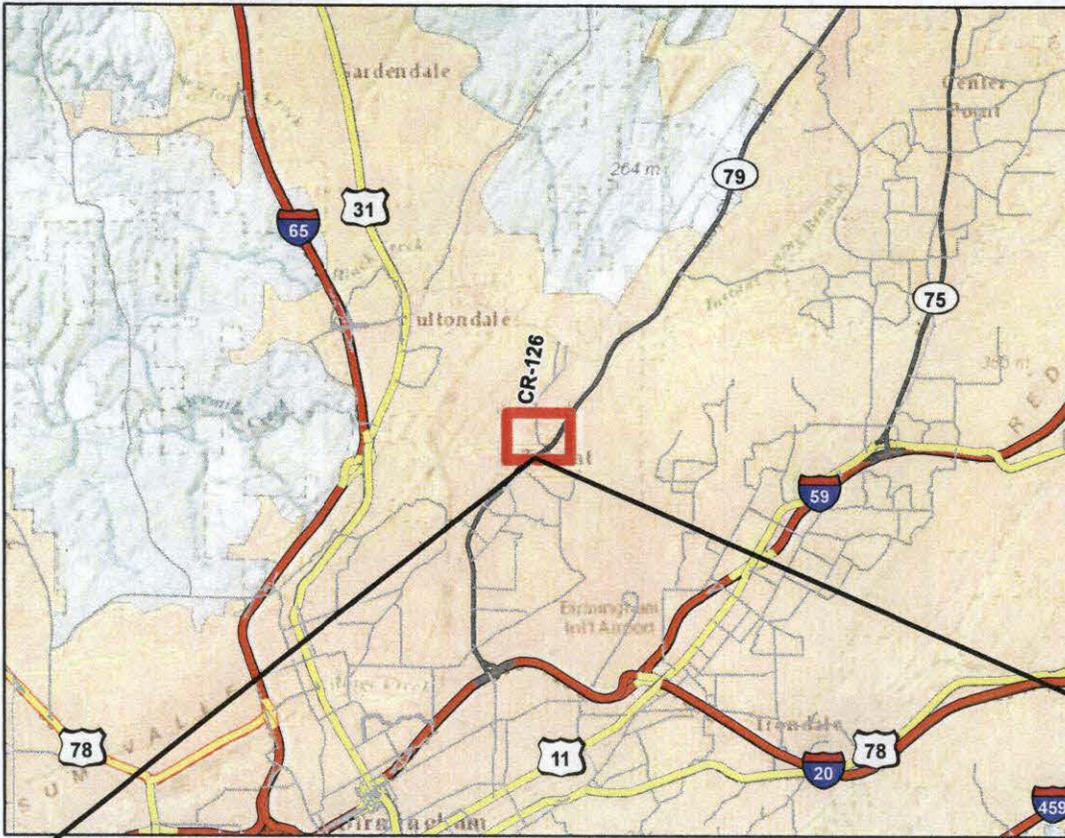
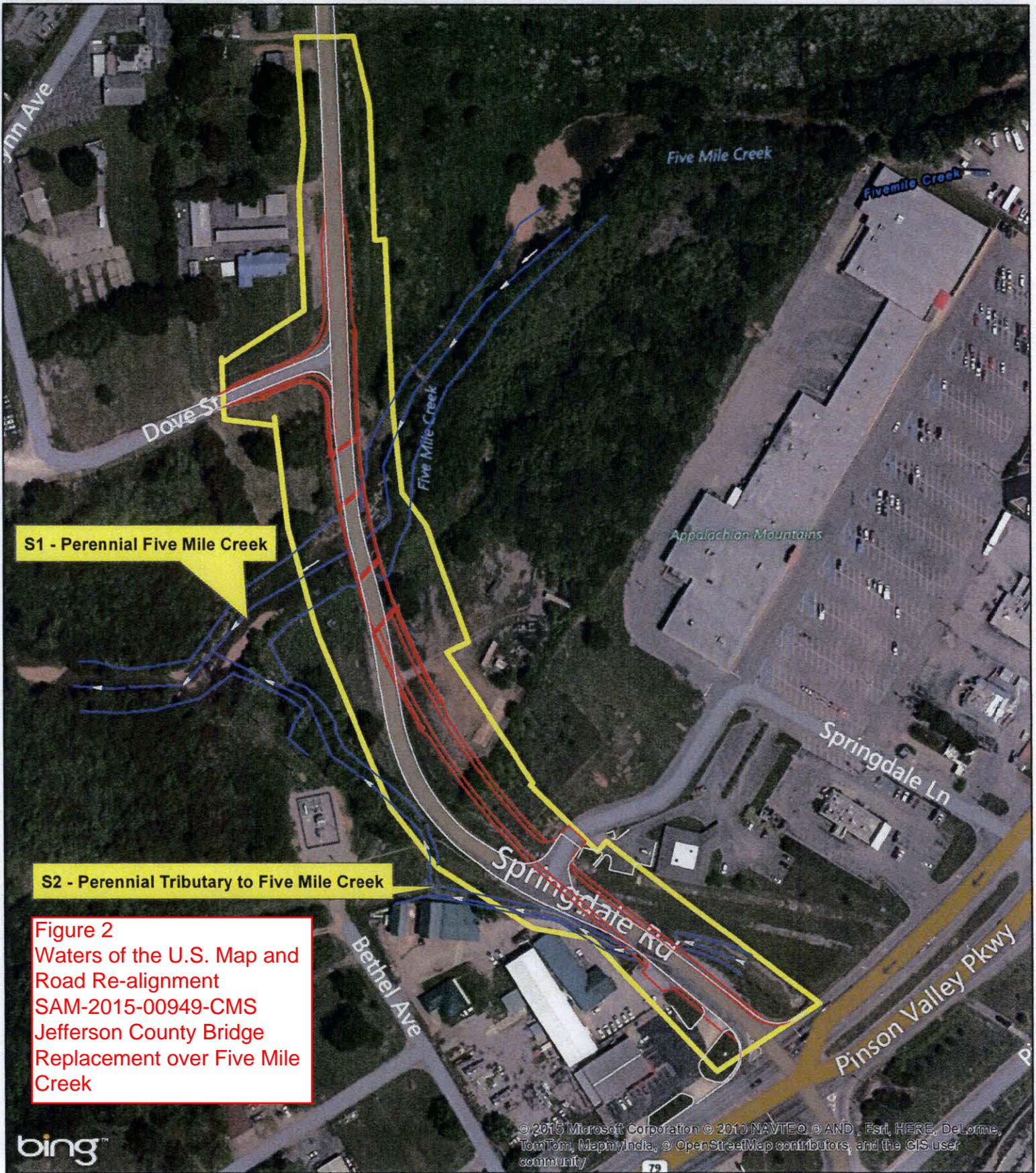


Figure 1
 Site Locator Map
 SAM-2015-00949-CMS
 Jefferson County Bridge
 Replacement over Five
 Mile Creek

ATRIP No. ACBRZ59460-ATRP(006)
 Bridge Replacement over Five Mile Creek on CR-126 (Springdale Road)
 BIN 015837
 Jefferson County, Alabama

Figure 1



S1 - Perennial Five Mile Creek

S2 - Perennial Tributary to Five Mile Creek

Figure 2
 Waters of the U.S. Map and
 Road Re-alignment
 SAM-2015-00949-CMS
 Jefferson County Bridge
 Replacement over Five Mile
 Creek

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bing™

MAP LOCATION



**Springdale Rd
 over Five Mile Creek
 Bridge Replacement**

Legend

- Existing Roadway
- Streams
- Proposed Roadway
- Study Limits

AECOM



Figure 2
 December 2015

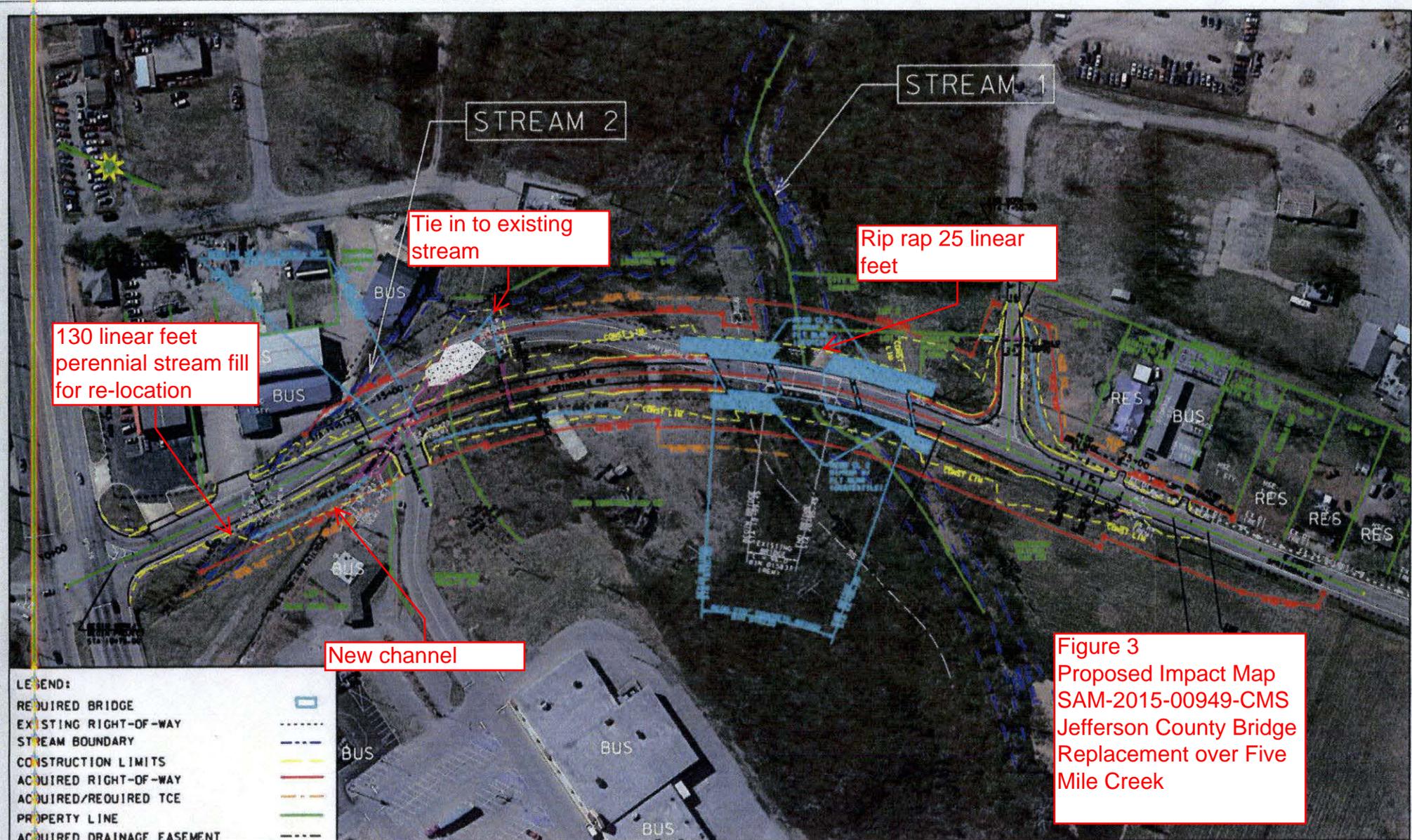


Figure 3
 Proposed Impact Map
 SAM-2015-00949-CMS
 Jefferson County Bridge
 Replacement over Five
 Mile Creek

PROJECT NO. ACBRZ59460-ATRP(001)

SPRINGDALE ROAD BRIDGE REPLACEMENT
 OVER FIVE MILE CREEK

FIGURE 3

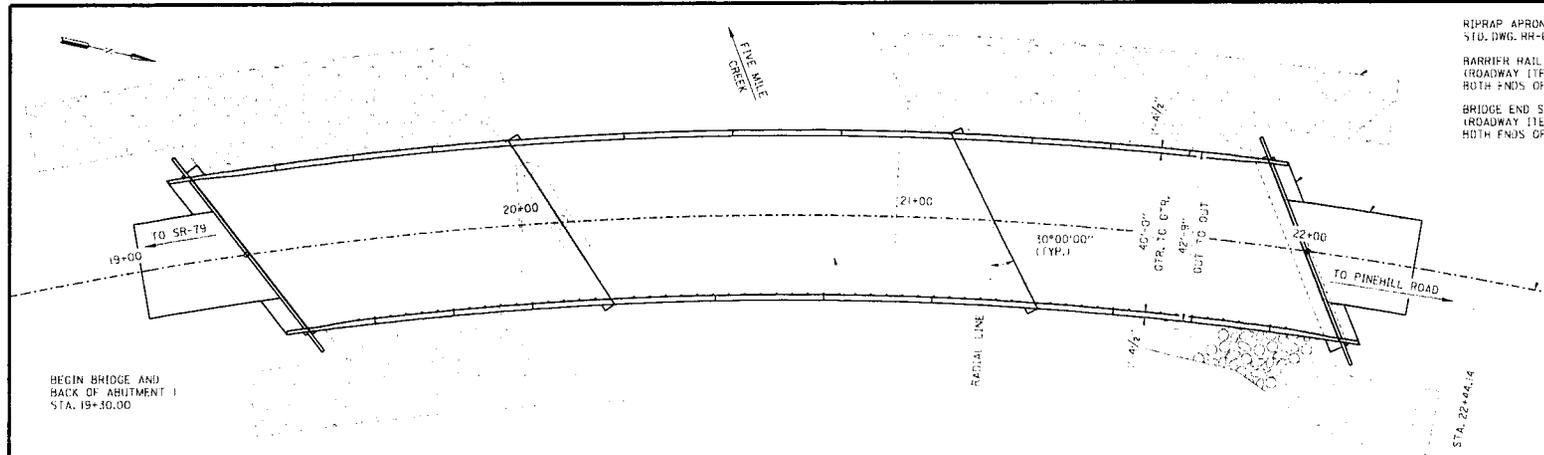
REFERENCE PROJECT NUMBER ACBRZ59460-ATRP(006)	FISCAL YEAR 2016	SHEET NUMBER
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RIPRAP APRON PER
STD. DWG. RR-610

BARRIER RAIL EXTENSIONS
(ROADWAY ITEM) (TYP.
BOTH ENDS OF BRIDGE)

BRIDGE END SLAB
(ROADWAY ITEM) (TYP.
BOTH ENDS OF BRIDGE)

END BRIDGE AND
BACK OF ABUTMENT 4
STA. 22+00.00



HORIZONTAL CURVE DATA

PI 18+72.14
 H.C. = 54°59'58.41"
 Delta = 47°54'19.09" R1
 R = 955.00
 L = 792.92
 T = 420.91
 So = 6.04%

PLAN
NOT TO SCALE

EXISTING 24 FT X 96 FT
CONCRETE BRIDGE (BIN 015837)
TO BE REMOVED
STA. 19+99.45 TO STA. 20+95.45

ALIGNMENT: HORIZONTAL CURVE

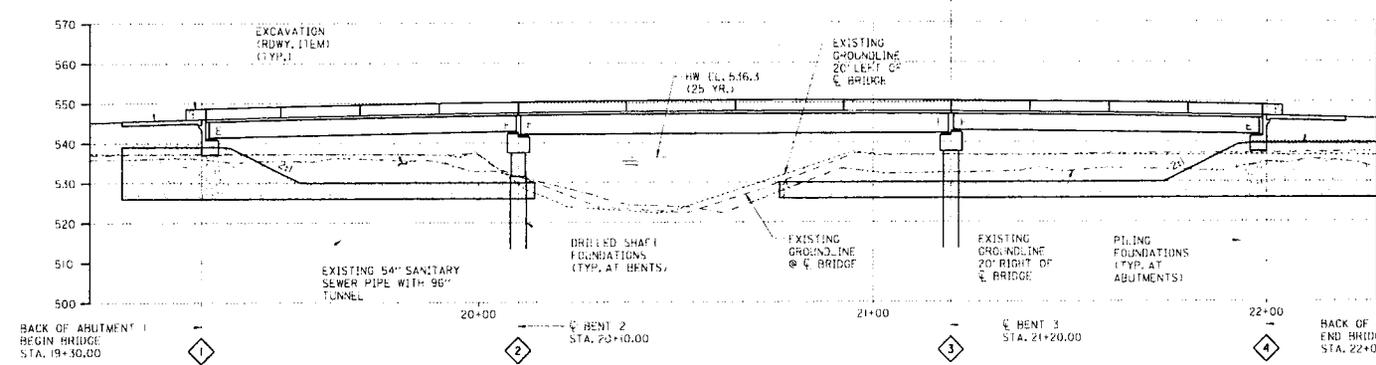
GRADE: VERTICAL CURVE

BARRIER RAIL
EXTENSIONS
(ROADWAY ITEM)
(TYP. BOTH ENDS
OF BRIDGE)

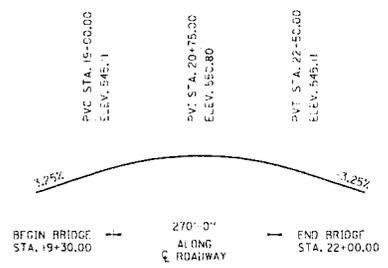
BRIDGE END SLAB
(ROADWAY ITEM)
(TYP. BOTH ENDS
OF BRIDGE)

80'-0" SPAN 1 (TYPE III) (SIMPLE SPAN)
 110'-0" SPAN 2 (BT 54) (SIMPLE SPAN)
 80'-0" SPAN 3 (TYPE III) (SIMPLE SPAN)

RIPRAP APRON PER
STD. DWG. RR-610



VERTICAL CURVE DATA
NOT TO SCALE



HYDRAULIC DATA

D.A. = 25.8 m²

YRS.	DISCHARGE (ft ³ /s)	WSEL (ft)
010	7,200	535.0
025	8,130	536.2
050	10,400	537.1
0100	12,000	538.3
0500	15,500	538.6

OPENING PROVIDED = 2,075 ft²
 V25 = 4.4 ft/sec

PROFILE (ALONG C SURVEY)
NOT TO SCALE

NOTES:
1. WORK THIS DRAWING WITH BR. SH. NO. 2.

Figure 4
Bridge Details
SAM-2015-00949-CMS
Jefferson County Bridge
Replacement over Five Mile
Creek

ALABAMA DEPARTMENT OF TRANSPORTATION			
BRIDGE SHEET NO. 1 OF 2	PROJECT NO. ACBRZ59460-ATRP(006)		
REVISIONS	BRIDGE ON SPRINGDALE ROAD OVER FIVE MILE CREEK AT STA. 19+30.00 - 22+00.00		
	JEFFERSON COUNTY		
	T. S. & L.		
ESTIMATED QUANTITIES	DESIGNED BY	DRAWN BY	WEB
COMPUTED BY	CHECKED BY	DATE DRAWN	
VERIFIED BY	DATE CHECKED	SCALE	(NOT TO SCALE)
BIN: 018230			

12/7/2015 10:54:22 AM
 C:\Users\jgarcia\Documents\Working\Draws\CAD\br\fig4\fig4.dwg
 SPRINGDALE ROAD BRIDGE REPLACEMENT OVER FIVE MILE CREEK