



ASBESTOS CONTAINING MATERIAL INVESTIGATION REPORT

S-106 (ISLAND CREEK RD.) RBO SUCK CREEK
CHEROKEE COUNTY, SOUTH CAROLINA

PREPARED FOR:



C/O Ms. Lila Leon, PE PhD
SC Geotechnical Lead
1201 Main Street
Columbia, SC 29201

PREPARED BY:

F&ME Consultants
1825 Blanding Street
Columbia, South Carolina 29201

June 13, 2022

☐ Yes, asbestos was found.
☒ No, asbestos was not found

F&ME Project No.: G6655.002

TABLE OF CONTENTS

1.	Executive Summary.....	1
2.	Introduction.....	1
3.	Existing Bridge Structure	2
4.	Field Assessment	3
5.	Assessment Results.....	3
6.	Recommendations	3
	Appendices	4

Appendix A – Site Vicinity Map

Appendix B – General Bridge Plan

Appendix C – Personnel Certifications

Appendix D – Site Photographs



1. EXECUTIVE SUMMARY

This executive summary is intended as an overview for the convenience of the reader. This report should be reviewed in its entirety prior to making any decisions regarding this project.

F&ME Consultants, Inc. (FME) has completed an Asbestos Containing Material (ACM) Investigation on the S-106 (Island Creek Rd.) Bridge over Suck Creek (Bridge) located in Cherokee County, South Carolina, at the request of HDR (Client). The field investigation was performed on June 6, 2022, in anticipation of the on-alignment replacement of the existing Bridge. This investigation was conducted pursuant to South Carolina Department of Health and Environmental Control (SCDHEC), United States Environmental Protection Agency (USEPA), National Emission Standards for Hazardous Air Pollutants (NESHAP), and Occupational Safety and Health Administration (OSHA) regulations requiring an ACM investigation prior to any demolition activities.

Per an agreed upon scope of work, FME performed this investigation to identify any ACM that might be encountered during the demolition of the existing Bridge, and to provide recommendations regarding proper handling, and disposal of any ACM found. **The investigation of the subject bridge identified no suspect materials.** Therefore, at this time, no special handling or disposal requirements are required regarding ACM. However, during the course of demolition activities, previously concealed ACM may be discovered. If hidden suspect ACM is encountered, the affected contractor(s) must stop work, take appropriate actions, and notify the Owner/FME for an appropriate response action.

We appreciate the opportunity to assist you in this matter. If you have any questions or require additional information, please feel free to contact our office at (803) 254-4540.

Sincerely,

F&ME CONSULTANTS



James T. Timmons
Environmental Professional
Asbestos Consultant/Management Planner
SCDHEC License No: MP-00196
Expiration Date 01/16/2023



Glynn M. Ellen
Environmental Department Manager
Asbestos Consultant/Management Planner
SCDHEC License No: MP-20979
Expiration Date 01/16/2023



2. INTRODUCTION

FME has completed an ACM investigation on the S-106 (Island Creek Rd.) Bridge over Suck Creek located in Cherokee County, South Carolina. The investigation was performed on June 6, 2022, and was conducted pursuant to SCDHEC, USEPA, NESHAP, and OSHA regulations which require an ACM investigation prior to any demolition and/or renovation activities. See Appendix A – Site Vicinity Map for the location of Bridge over Mill Creek in Richland County, South Carolina.

It is our understanding that the existing Bridge will be demolished in anticipation of an on-alignment replacement of the Bridge. The scope of this investigation was to determine if ACM was present on the present Bridge by identifying, and sampling suspect ACM, obtaining analytical results, quantifying any confirmed ACM, and assessing the physical condition of the ACM, where possible.

This report has been prepared exclusively for the Client and shall not be disseminated in whole or part to other parties without prior consent from the Client or FME. No other environmental issues were addressed as part of this report.

3. EXISTING BRIDGE STRUCTURE

The existing bridge structure (~31'.0"L x 24'.0"W, inside curb to inside curb), is located on S-11-106 (Island Creek Rd.) and crosses over Suck Creek in Cherokee County, South Carolina. The construction date of the Bridge is unknown. The structure is a two (2) lane, one (1) span Bridge constructed with steel beams supporting the concrete bridge deck, with timber curbing and an asphalt overlay. Each end bent is supported by five (5) timber piles and poured-in-place bent caps. No scuppers were noted to be associated with the Bridge. Galvanized metal guardrails are attached to the timber curbing on each side of the Bridge.



Photo 1 – S-106 (Island Creek Rd.) Bridge over Suck Creek, Cherokee County, SC.



4. FIELD ASSESSMENT

During the inspection, all bridge components (i.e., concrete bent caps, piles, and expansion joints) were visually inspected for suspect ACM. Examples of possible suspect materials include bent and pile cap felt, bond-break pads, expansion joint material, and drainage scuppers. The bridge deck rested directly on the steel beams, with no suspect materials (i.e., bond-break pads) observed/visible between them. No suspect ACM materials were identified on the Bridge. See Appendix D – Site Photographs, for more details.

5. RECOMMENDATIONS

The results, conclusions, and recommendations of this investigation are representative of the conditions observed at the site on the date of the field inspection. FME does not assume responsibility for any changes in conditions or circumstances that may have occurred after this inspection.

It is our understanding that the existing Bridge will be demolished in anticipation of an on-alignment replacement of the Bridge. **The investigation of the subject bridge identified no suspect materials.** Therefore, at this time, no special handling or disposal requirements are required regarding ACM.

If any concealed and/or inaccessible ACM are encountered during the demolition activities, the affected contractor(s) must stop work, take appropriate actions, and notify the Owner/asbestos Consultant for an appropriate response action. The SCDHEC must be notified if any suspect ACM is discovered.

We sincerely appreciate the opportunity to be of service to HDR in this matter. If you have any questions regarding the information presented herein, please contact our office at (803) 254-4540.



6. APPENDICES

Appendix A – Site Vicinity Map

Appendix B – General Bridge Plan

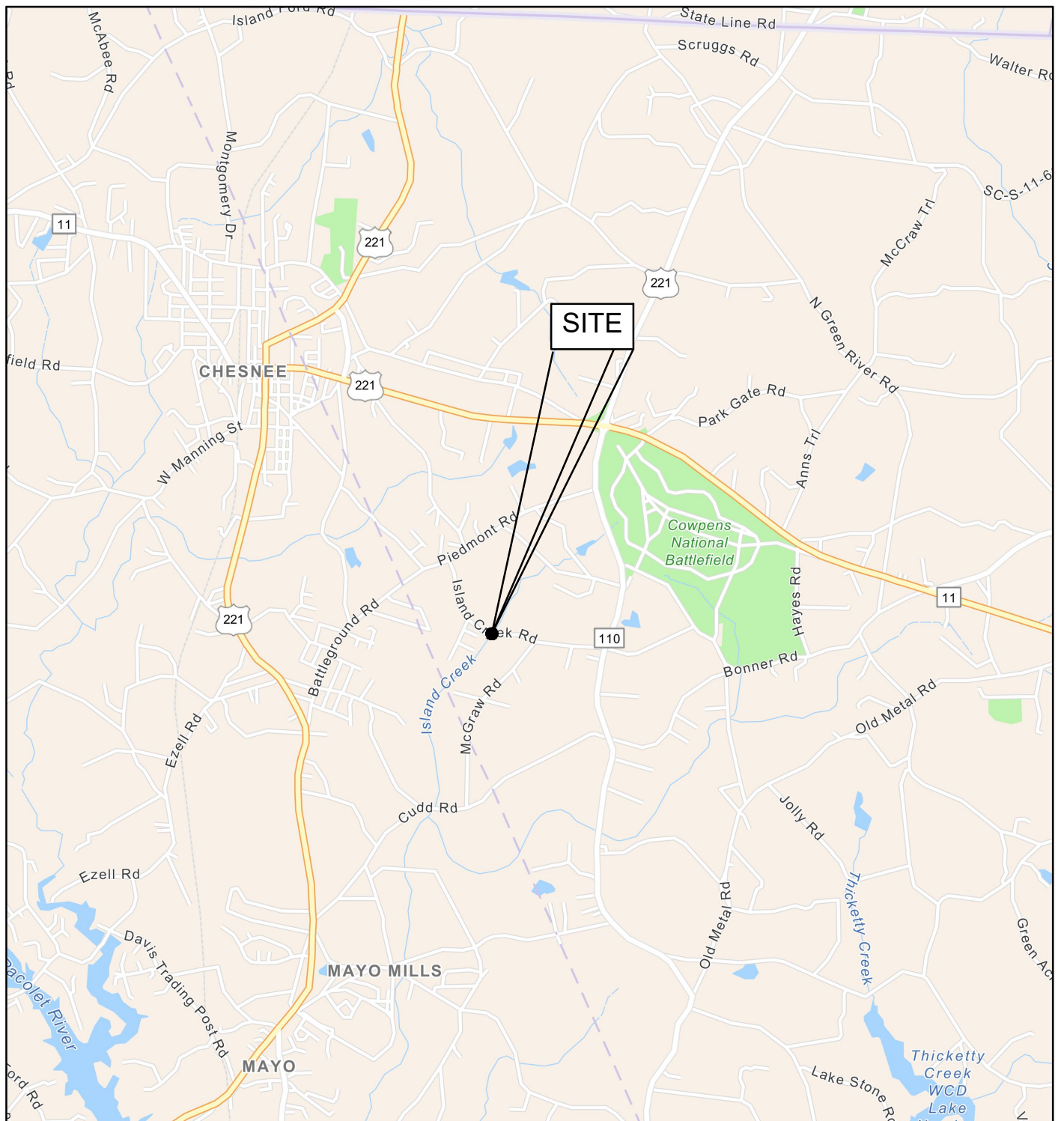
Appendix C – Personnel Certifications

Appendix D – Site Photographs



Appendix A

Site Vicinity Map



1:72,000

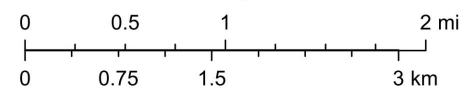


FIGURE
NUMBER:

1

F&ME CONSULTANTS
PROJECT NUMBER:

G6655.002

ASBESTOS CONTAINING MATERIALS INVESTIGATION

S-106 RBO Suck Creek
Cherokee County, SC
SITE VICINITY MAP

Prepared for:
HDR

1201 Main Street, Suite 800
Columbia, SC 29201



1825 BLANDING STREET
COLUMBIA, SC 29201

ORIGINAL:
June 7, 2022

REVISIONS:

1
2
3

SCALE:
Shown

DRWN. BY: MSM

CHKD. BY: JTT

APPR. BY: GME

NOTES:

Appendix B

General Bridge Plan



S-106

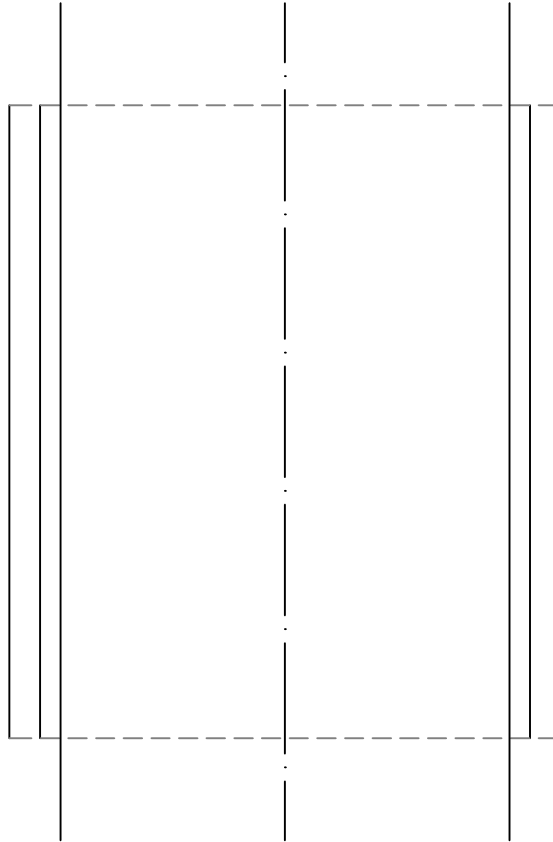


FIGURE
NUMBER:

2

F&ME CONSULTANTS
PROJECT NUMBER:

G6655.002

ASBESTOS CONTAINING MATERIALS INVESTIGATION

S-106 RBO Suck Creek
Cherokee County, SC
General Bridge Plan

Prepared for:
HDR

1201 Main Street, Suite 800
Columbia, SC 29201



1825 BLANDING STREET
COLUMBIA, SC 29201

ORIGINAL:
June 7, 2022

REVISIONS:

1 _____
2 _____
3 _____

SCALE:
Shown

DRWN. BY: MSM

CHKD. BY: JTT

APPR. BY: GME

NOTES:

Appendix C

Personnel Certifications

SCDHEC ISSUED

Asbestos ID Card

Glynn M Ellen



**AIRSAMPLER
CONSULTMP
CONSULTPD
SUPERAHERA**

**AS-00079
ASB-22641
PD-00098
SA-00455**

Expiration Date:

**01/16/23
01/16/23
07/13/22
01/17/23**

This card is nontransferable and considered invalid if loaned or given to another person for identification. This card will also be invalid if altered or defaced. This card is property of SCDHEC. It must be returned to the department if the holder's accreditation is revoked or if this card is invalidated. Any person performing regulated asbestos activities without current accreditation shall be subject to legal sanction. This card must be returned upon expiration and/or issuance of a new card.

YOU MUST HAVE THIS IDENTIFICATION CARD WITH YOU ON THE JOB.

For information of corrections contact: SCDHEC - Asbestos Section
2600 Bull Street
Columbia, SC 29201
(803) 898-4289

SCDHEC ISSUED

Asbestos ID Card

James T Timmons



**AIRSAMPLER
CONSULTMP
SUPERAHERA**

**AS-00423
MP-00196
SA-02244**

Expiration Date:

01/17/23

01/16/23

01/17/23

This card is nontransferable and considered invalid if loaned or given to another person for identification. This card will also be invalid if altered or defaced. This card is property of SCDHEC. It must be returned to the department if the holder's accreditation is revoked or if this card is invalidated. Any person performing regulated asbestos activities without current accreditation shall be subject to legal sanction. This card must be returned upon expiration and/or issuance of a new card.

YOU MUST HAVE THIS IDENTIFICATION CARD WITH YOU ON THE JOB.

For information of corrections contact: SCDHEC - Asbestos Section
2600 Bull Street
Columbia, SC 29201
(803) 898-4289

Appendix D

Site Photographs

APPENDIX D - SITE PHOTOGRAPHS



Photo 1. Top View of Bridge.



Photo 2. North Side View of Bridge.



Photo 3. South Side View of Bridge.



Photo 4. East End Bent of Bridge.



Photo 5. Underside Bridge View of West End Bent.



Photo 6 Underside View of Bridge.

