

IOWA DEPARTMENT OF TRANSPORTATION

To FILE Date March 19, 2020

From Brad Azeltine

Bureau Location and Environment

Subject Asbestos Inspection

The asbestos inspection requested by Bridges and Structures has been completed. The results are as follows:

DATE OF INSPECTION – March 11, 2020
CERTIFIED AHERA INSPECTOR(S) – Brad Azeltine
COUNTY – Sioux
PROJECT NO. –
BRIDGE MAINTENANCE # – 8409.6R060/8409.6L060
FHWA # – 048590/609300
ITEM – NB & SB IA 60 Bridges over Floyd River Tributary 0.5 Mi. S. of Co Rd K-64

SAMPLE #1 – Gray sealant in the joints near the ends of the concrete bridge railings - SB, 2 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #2 – Expansion joint material between the ends of the approach curbs and the concrete bridge railings - SB, 4 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #3 – Fabric joint filler in the vertical joints between the north abutment and the bridge deck - NB, 10 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #4 – Tar coating on the fabric joint filler in the vertical joints between the north abutment and the bridge deck - NB, 2 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #5 – Tar sealant in the joints between the pavement approaches and the bridge deck - SB, 10 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #6 – Tar sealant in the joints between the pavement approaches and the bridge deck - NB, 16 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #7 – Joint filler in the vertical joints between the south abutment and the bridge deck - NB, 10 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #8 – Expansion joint material between the ends of the approach curbs and the concrete bridge railings - NB, 4 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #9 – Joint filler between the top of the widened portions of the abutments and the diaphragms - NB, 16 sq. ft.

TEST RESULTS – No asbestos present

Report for:

Brad Azeltine
Iowa DOT
800 Lincoln Way
Ames, IA 50010

Regarding: Project: Sioux IA 60; Bridge 8409.6R060
EML ID: 2375156

Approved by:



Approved Signatory
Kari Wasmer

Dates of Analysis:
Asbestos PLM: 03-18-2020

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600194-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Iowa DOT
C/O: Brad Azeltine
Re: Sioux IA 60; Bridge 8409.6R060

Date of Sampling: 03-11-2020
Date of Receipt: 03-13-2020
Date of Report: 03-18-2020

ASBESTOS PLM REPORT

Total Samples Submitted:	9
Total Samples Analyzed:	9
Total Samples with Layer Asbestos Content > 1%:	0

Location: 1, Caulk

Lab ID-Version‡: 11322977-1

Sample Layers	Asbestos Content
Gray Caulk	ND
Sample Composite Homogeneity:	Good

Location: 2, Expansion Joint

Lab ID-Version‡: 11322978-1

Sample Layers	Asbestos Content
Black Expansion Joint	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: 3, Joint filler

Lab ID-Version‡: 11322979-1

Sample Layers	Asbestos Content
Gold Expansion Joint	ND
Composite Non-Asbestos Content:	90% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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C/O: Brad Azeltine
Re: Sioux IA 60; Bridge 8409.6R060

Date of Sampling: 03-11-2020
Date of Receipt: 03-13-2020
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ASBESTOS PLM REPORT

Location: 4, Tar

Lab ID-Version‡: 11322980-1

Sample Layers	Asbestos Content
Black Tar	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 5, Tar

Lab ID-Version‡: 11322981-1

Sample Layers	Asbestos Content
Black Tar	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 6, Tar

Lab ID-Version‡: 11322982-1

Sample Layers	Asbestos Content
Black Tar	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

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C/O: Brad Azeltine
Re: Sioux IA 60; Bridge 8409.6R060

Date of Sampling: 03-11-2020
Date of Receipt: 03-13-2020
Date of Report: 03-18-2020

ASBESTOS PLM REPORT

Location: 7, Joint filler

Lab ID-Version‡: 11322983-1

Sample Layers	Asbestos Content
Black Expansion Joint	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 8, Expansion Joint

Lab ID-Version‡: 11322984-1

Sample Layers	Asbestos Content
Black Expansion Joint	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 9, Joint filler

Lab ID-Version‡: 11322985-1

Sample Layers	Asbestos Content
Black Expansion Joint	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

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New Jersey: 3000 Lincoln Drive East, Suite A, Merton, NJ 08053 • (866) 871-1984

* Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 * (800) 651-4802

San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (855) 888-6653

Weather		Fog	Rain	Snow	Wind	Clear
Level	None	☐	☐	☐	☐	☐
	Light	☐	☐	☐	☐	
	Moderate	☐	☐	☐	☐	
	Heavy	☐	☐	☐	☐	

REQUESTED SERVICES

(Use checkboxes below)

Non-Culturable												Culturable												Other Requests											
Spore Trap												Tape Swab Bulk												BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates											
Fungi - Spore Trap Analysis												Spore Trap Analysis - Other particles												Dried Microscopic Exam (Qualitative)											
Quantitative Spore Count Direct Exam												1-Media Surface Fungi (Genus ID + Asp. spp.)												2-Media Surface Fungi (Genus ID + /											
3-Media Surface Fungi (Genus ID + +												Culturable Air Fungi (Genus ID + Asp												Green Stain & Counts (Culturable Air											
Legionella culture												Total Coliform, E. coli (Presence/Abs												Membrane Filtration (specify organic											
MPN Bacteria (specify organism):												QuantiTray - Sewage Screen												Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)											
Asbestos Analysis - PCM												Asbestos Analysis - PCM (EPA method 600/R-93-116)												PCR (specify test):											

CONTACT INFORMATION

Company:	Iowa DOT	Address:	800 Lincoln Way, Ames, IA 50010
Contact:	Brad Azeltine	Special Instructions:	
Phone:	515-239-1938	email:	brad.azeltine@iowadot.us

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	5104x IA 60		STD - Standard (DEFAULT)	Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Bridge 8409.6A060		ND - Next Business Day	
Project Zip Code:	Sampling Date & Time:	3-11-2020	SD - Same Business Day Rush	
PD Number:	PC 6415 Sampled By: Brad Azel/line		WH - Weekend / Holiday	

Sample ID	Description	Sample Type (Boat)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
1	Caulk	B	STD		
2	Expansion Joint	↓	↓		
3	Joint Filler				
4	Tar				
5	"				
6	"				
7	Joint Filler				
8	Expansion Joint				
9	Joint Filler				

SAMPLE TYPE CODES				RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
BC - BioCassette™	ST - Spore Trap: Zefon, Allergence, Burkard ...	T - Tape	D - Dust		3-12-2020 0900		3/13/20 9am
A19 - Anderson		SW - Swab	SO - Soil				
SAS - Surface Air Sampler	P - Potable Water	B - Bulk					
CP - Contact Plate	NP - Non-Potable Water	O - Other:					

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emslab.com/s/main/serviceterms.html>

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