

Bridge Number:

AD609R SB

Route/County:

I-55/Jefferson

Asbestos-Containing Material Present?

Yes: ☐

No: ☒

If yes, see report for location(s).

Structural Steel Present?

Yes: ☒

No: ☐

If No, then skip the following.

Lead-Based Paint (LBP) Present?

Yes: ☐

No: ☒

Trusses LBP?

Yes: ☐ No: ☐

Girder LBP?

Yes: ☐ No: ☒

Railing LBP?

Yes: ☐ No: ☐

Pile LBP?


Yes: ☐ No: ☐



MEMORANDUM

Missouri Department of Transportation Construction and Materials Central Laboratory

TO: TMS

FROM: Diane Roegge 
Environmental Chemist

DATE: July 10, 2016

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route I-55
Bridge A-0609R SB
St Louis/Jefferson County

We are providing you with the results of the inspection on the above referenced bridge. The inspection report contains an asbestos and a heavy metals survey. The asbestos inspection included identifying suspect asbestos-containing material and NVLAP accredited testing to confirm the presence of asbestos.

Form T746 – This will show if samples were taken, where from, and, if the sample was found to contain asbestos, our estimated quantity of material present. Under the column “Friability Category”, this is the meaning for the following:

N-ACM – No asbestos detected.

I NF – Asbestos is present. Material shall be handled carefully by a licensed abatement worker and kept wet if removing as part of a maintenance activity.

II NF – Asbestos is present. If removal is required for the maintenance activity, use an abatement contractor.

In accordance with Missouri Department of Natural Resources’ Technical Bulletin “Managing Construction and Demolition Waste” dated January 31, 2003, a heavy metal paint survey has been performed on the above referenced bridge. This survey includes locating concrete which has been painted with something other than traffic paint or graffiti, and testing the painted surface(s) to determine if hazardous heavy metals are present. If the bridge is being removed completely, or the maintenance repairs include removing the painted concrete, then, non-hazardous painted concrete may be used as clean fill materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling all accessible areas, it is possible that potentially hidden asbestos-containing materials may exist within the structure. Should you have any questions regarding these reports, please contact me at (573) 526-4359.

db/fr/dr

[http://sp/sites/cm/chemicallab/environmental/shared documents/asbestos/districts/st louis \(sl\)/mt/a0609r sb/dr16071012.docx](http://sp/sites/cm/chemicallab/environmental/shared%20documents/asbestos/districts/st%20louis%20(sl)/mt/a0609r%20sb/dr16071012.docx)

Attachments

Asbestos Survey Report
All Suspect ACM

SURVEYED BY:	Frank Reichart and Diane Roegge
CERTIFICATION #:	7118110315MOIR11239, F.R.
CERTIFICATION #:	7118110315MOIR7165, D.R.
SITE ADDRESS:	Southbound, Over Meramec River
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]

II NF = Category II Nonfriable	F = Friable
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**MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
1617 Missouri Blvd, Jefferson City, MO 65101**

Tested For: Joseph Molinaro Project #: N/A Bridge: A0609R SB
1590 Woodlake Drive Route: I-55 County: St. Louis
Chesterfield, MO 63017
 Sampled 07/10/16 Received 07/18/16 Completed 07/20/16 Reported 07/21/16

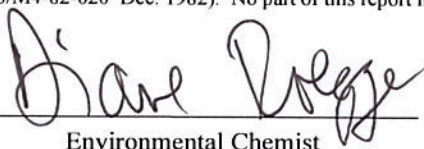
TEST REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

Sample ID:	16MFJR747*									
Material Type	Asphalt Fiberboard									
Appearance (Color/Texture)	Gray/Ashed Fluff									
Homogeneous?	X	Yes	No	Yes	No	Yes	No	Yes	No	
If No, Sub-sample #	N/A									
Layers Present?	Yes	X	No	Yes	No	Yes	No	Yes	No	
If Yes, Layer #	N/A									
ASBESTOS DETECTED?	Yes	X	No	Yes	No	Yes	No	Yes	No	
If Yes, Type and Percent										
Chrysotile										
Amosite										
Crocidolite										
Fibrous Anthophyllite										
Fibrous Actinolite										
Fibrous Tremolite										
TOTAL % ASBESTOS	0									
OTHER FIBERS DETECTED?	Yes	X	No	Yes	No	Yes	No	Yes	No	
If Yes, Type and Percent										
Glass										
Cellulose										
Synthetic										
Other (specify, if known)										
TOTAL % OTHER FIBERS	0									
NONFIBROUS MATRIX?	X	Yes	No	Yes	No	Yes	No	Yes	No	
If Yes, Type and Percent										
Binder	95-99									
Calcite										
Gypsum										
Granular Materials										
Other (specify, if known)	1-5									
TOTAL % NONFIBROUS	100									

REMARKS: (deviations/departures from test method and/or sampling procedure)

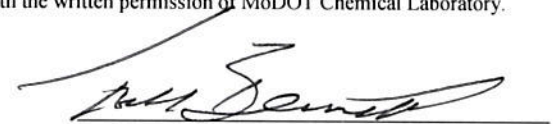
*Sample was ashed.

Quantification is based on a visual determination of the relative volume of bulk sample components unless otherwise noted. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. Sampling Procedure used: MoDOT PLM QAM Section 8.1 Test Method used: EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA-600/M4-82-020 Dec. 1982). No part of this report may be reproduced except in full with the written permission of MoDOT Chemical Laboratory.


Environmental Chemist

NVLAP[®]

NVLAP LAB CODE 200544-0


Chemical Laboratory Director

Expiration Date 12/2/2016
Training Date: 11/3/2015

Certificate Number: 7118110315MOIR11239

Missouri State Certificate for Asbestos Related Occupations

issued by Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102
Phone (573) 751-4817

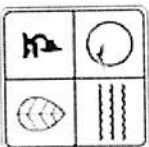
Francis J. Reichart

has successfully completed the requirements for certification as a INSPECTOR. This Missouri State
Certification is subject to review and the director may deny, suspend or revoke the certification per
RSMo chapter 643.230.

12/3/2015

Date

Kyra L Moore
Director of Air Pollution Control Program



Expiration Date

12/2/2016

Certificate Number: 7118110315MOIR7165

Training Date:

11/3/2015

Missouri State Certificate for Asbestos Related Occupations

issued by Department of Natural Resources

P.O. Box 176

Jefferson City, MO 65102

Phone (573) 751-4817

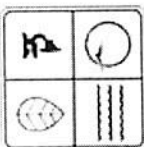
Diane R. Roegge

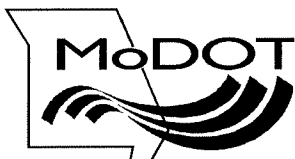
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12/3/2015

Date

Kyra L. Moore
Director of Air Pollution Control Program





MEMORANDUM

Missouri Department of Transportation
Construction and Materials
Central Laboratory

TO: TMS

CC:

FROM: Diane Roegge 
Environmental Chemist, Lead License #110506-300003365

DATE: August 12, 2019

SUBJECT: Materials
Job No. N/A
I-55/St Louis County
Bridge A-0609R SB

On August 6, 2019, a field check of the paint system was performed on the subject bridge. A paint screening for regulated heavy metals was also performed on the subject bridge. The following results were obtained:

	19MD1R437	19MD1R438
LOCATION:	New Girder	Old Girder
Arsenic (As)	LOD*	LOD*
Chromium (Cr)	451 ppm**	420 ppm**
Lead (Pb)	289 ppm	LOD
Cadmium (Cd)	LOD	LOD
Selenium (Se)	LOD	LOD
Barium (Ba)	1,132 ppm (0.1%)	1,250 ppm (0.1%)
Mercury (Hg)	LOD	LOD
Silver (Ag)	LOD	LOD

*LOD = below the detection limit of the instrument

**ppm = parts per million

TMS paint data shows System F 1995. The field check and results verify the information found in TMS.

The existing paint system is NOT lead-based paint.

Should further screenings be required, please contact Todd Bennett, Chemical Laboratory Director, at (573) 751-1045. Should you have any questions, feel free to call me at (573) 526-4359.

fr/dr

[http://sp/sites/cm/chemicallab/environmental/shared documents/asbestos/districts/st louis \(sl\)/mt/a0609r sb/lbp xrf a-0609r sb.docx](http://sp/sites/cm/chemicallab/environmental/shared%20documents/asbestos/districts/st%20louis%20(s%20l)/mt/a0609r%20sb/lbp%20xrf%20a-0609r%20sb.docx)