

Bridge Number:

A0630R1 EB

Route/County:

1-44/Jasper

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?

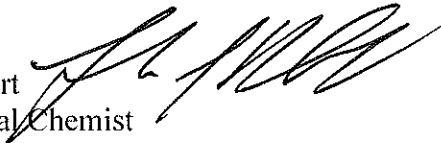
Yes: ☐ No: ☐



## MEMORANDUM

### Missouri Department of Transportation Construction and Materials Central Laboratory

**TO:** TMS

**FROM:** Frank Reichart  
Environmental Chemist 

**DATE:** July 18, 2018

**SUBJECT:** Materials  
Asbestos Inspection & Heavy Metal Paint Survey  
Route I-44  
Bridge# A0630R1  
Jasper 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

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared  
documents/asbestos/districts/southwest \(sw\)/mt/a0630r1 eb/fr18071833.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared/documents/asbestos/districts/southwest(sw)/mt/a0630r1_eb/fr18071833.docx)  
Attachments

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS  
Asbestos Survey Report  
All Suspect ACM

ROUTE:	144
MODOT JOB NO.:	N/A
DISTRICT:	SW
COUNTY:	Jasper
DATE OF SURVEY:	July 18, 2018
PARCEL NO.:	Bridge# A0630R1

SURVEYED BY:	Frank Reichart
CERTIFICATION #:	7119101817MOIR11239
SITE ADDRESS:	Eastbound, Over I-49, MO 59
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]

N-ACM = Non-Asbestos Containing Material      I NF = Category I Nonfriable      II NF = Category II Nonfriable      F = Friable  
NAFD = No Asbestos Fiber Detected      \* = Tested By Point Count Procedure

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS

# Asbestos Survey Report

### Nonfriable Asbestos-Containing Materials

(Abatement not required if not made friable during demolition.)

**ROUTE:** 1-44

**TESTED BY:**

Frank Reichart

MODOT JOB NO.:

**CERTIFICATION #:**

7119101817MOIR11239

**DISTRICT:**

**SITE ADDRESS:**

## Eastbound, Over I-49, MO 59

COUNTY:

TYPE(S) OF STRUCTURE(S):

Bridge

DATE OF TESTS:

N/A

1

**PARCEL NO.:**

Bridge# A0630R1

[illegible][illegible]

**All necessary work to handle this material is the contractor's responsibility.**

INF = Category I Nonfriable

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS

# Asbestos Survey Report

**All materials requiring removal or special handling.**

**ROUTE:**

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1-44

**TESTED BY:**

Frank Reichart

**MODOT JOB NO.:**

N/A

**CERTIFICATION #:**

7119101817MOIR11239

**DISTRICT:**

MS

SITE ADDRESS:

Eastbound, Over I-49, MO 59

COUNTY:

Jasper

**TYPE(S) OF STRUCTURE(S):**

Bridge

DATE OF TESTS:

N/A

1

**PARCEL NO.:**

Bridge# A0630R1

1

[illegible]

INF = Category I Nonfriable

II NF = Category II Nonfriable

F = Friable

\* = Tested By Point Count Procedure

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS  
Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes

ROUTE:	1-44
MODOT JOB NO.:	N/A
DISTRICT:	SW
COUNTY:	Jasper
SURVEYED BY:	Frank Reichart
DATE OF SURVEY:	July 18, 2018

TESTED BY:	N/A
DATE OF TESTS:	N/A
PARCEL NO.:	Bridge# A0630R1
SITE ADDRESS:	Eastbound, Over I-49, MO 59
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]


All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050 b = USEPA SW-846 Method 7471



## MEMORANDUM

Missouri Department of Transportation  
Construction and Materials  
Central Laboratory

**TO:** TMS

**FROM:** Frank Reichart   
Environmental Chemist, Lead License #110506-300003364

**DATE:** July 18, 2018

**SUBJECT:** Materials  
Job No. N/A  
I-44/Jasper County  
Bridge# A0630R1

On July 18, 2018, a paint screening for regulated heavy metals was performed on the subject bridge. The following results were obtained:

	18MFJR506
Arsenic (As)	LOD*
Chromium (Cr)	LOD
Lead (Pb)	241 ppm**
Cadmium (Cd)	LOD
Selenium (Se)	LOD
Barium (Ba)	1,058 ppm
Mercury (Hg)	LOD
Silver (Ag)	LOD

\*LOD = below the detection limit of the instrument

\*\*ppm = parts per million

TMS paint data indicated a System C Al paint was under the System U paint, applied in 2017. The results verify the information found in TMS.

The existing paint system is NOT lead-based paint.

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

fr/dr

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared  
documents/asbestos/districts/southwest \(sw\)/mt/a0630r1 eb/lbp xrf a0630r1.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared/documents/asbestos/districts/southwest(sw)/mt/a0630r1_eb/lbp_xrf_a0630r1.docx)

CERTIFICATION NUMBER:

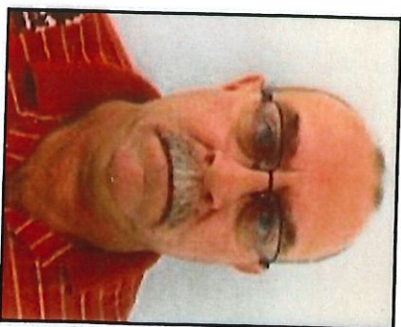
7119101817MOIR11239

THIS CERTIFIES

**Francis J Reichart**

HAS COMPLETED THE CERTIFICATION  
REQUIREMENTS FOR

**Inspector**



APPROVED: 10/23/2017

EXPIRES: 10/23/2018

TRAINING DATE: 10/18/2017

*Kyra J. Moore*

Director of Air Pollution Control Program