

Bridge Number:

L-0667R4

Route/County:

I-64/St Louis City

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:** November 8, 2015

**SUBJECT:** Materials  
Asbestos Inspection & Heavy Metal Paint Survey  
Route I-64  
Bridge L-0667R4  
City of St Louis

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://sharepoint/systemdelivery/cm/chemicallab/environmental/shared  
documents/asbestos/districts/st louis \(sl\)/mt/l0667r4/dr15110816.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared/documents/asbestos/districts/st%20louis%20(sl)/mt/l0667r4/dr15110816.docx)  
Attachments







MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS

# Asbestos Survey Report

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

ROUTE:  
MODOT JOB NO.:  
DISTRICT:  
COUNTY:  
DATE OF TESTS:  
PARCEL NO.:

TESTED BY:  
CERTIFICATION #:  
SITE ADDRESS:  
TYPE(S) OF STRUCTURE(S):

[illegible]








## MEMORANDUM

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

**TO:** TMS

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

**DATE:** November 8, 2015

**SUBJECT:** Materials  
I-64/City of St Louis  
Bridge L-0667

On June 25, 2013, paint screenings for regulated heavy metals were performed on the subject bridge. Two distinct paint systems are present on this bridge. The following results were obtained:

	13MFJR353	13MFJR354
Location	West Abut	W Abut + 15 ft
Arsenic (As)	LOD	LOD
Chromium (Cr)	LOD	1,585 ppm (0.2%)
Lead (Pb)	LOD	130,547 ppm (13.1%)
Cadmium (Cd)	LOD	168 ppm
Selenium (Se)	LOD	LOD
Barium (Ba)	LOD	9,129 ppm (0.9%)
Mercury (Hg)	LOD	LOD
Silver (Ag)	LOD	LOD

\*LOD = below the detection limit of the instrument

\*\*ppm = parts per million

For the majority of the bridge, the existing paint system is lead-based paint (LBP). The majority of the bridge is coated with System S over System B (Green Basic Lead Silico Chromate), according to TMS which is verified by the results. Therefore any painting project will be subject to DHSS notification and regulation. Additionally be advised that System B paint used basic lead silico chromate so high levels of chromium, another regulated heavy metal, will also be found on this bridge.

At the expansion areas, however, this paint system has been removed and an unknown system applied. For the expansion areas **ONLY**, 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.

[http://sharepoint/systemdelivery/CM/chemicallab/environmental/Shared Documents/Asbestos/Districts/St Louis \(SL\)/MT/L0667R4/LBP L0667R4.doc](http://sharepoint/systemdelivery/CM/chemicallab/environmental/Shared Documents/Asbestos/Districts/St Louis (SL)/MT/L0667R4/LBP L0667R4.doc)