21 Griffin Rd. North
Windsor, CT 06095

T 860.298.9692
TRCcompanies.com

October 24, 2024

Mr. Jason Coite P.E.
Principal Engineer
Division of Environmental Compliance
Bureau of Engineering and Construction
State of Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Attention: Michael Bedson, P.E / Nicole Ianniello

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 10.04-02 (23)
HazMat Inspection – Rehabilitation of Bridge No. 00870, Route 17 over New London Turnpike, Glastonbury, CT
ConnDOT Assignment No. 524-8284
ConnDOT Project No. 53-189
TRC Project No. 501871.8284.0710

Dear Mr. Coite:

TRC performed a limited hazardous materials site investigation associated with the rehabilitation of Bridge No. 00870, Route 17 over New London Turnpike, Glastonbury, CT. Results of the survey identified lead paint on the metal railings/railing support components (on both sides) and structural steel components (underside) at Bridge No. 00870. Results obtained from TCLP waste stream sampling and analysis for leachable lead from the paint on the railings/railing support components and structural steel components characterized the paint waste stream at Bridge No. 00870 as **CTDEEP/RCRA hazardous waste**. All suspect asbestos-containing materials (black asphalt joint filler, orange support beam base pads, black drainpipe, black railing caulk, & black road tar) identified and sampled at Bridge No. 00870 were found to contain no asbestos. Bird/pigeon guano accumulations was identified on both the roadway shoulders beneath Bridge No. 00870 and on-top of the abutment walls of Bridge No. 00870. No bloodborne pathogens (BBP) concerns, homeless activity, or other hazmat/regulated items were identified at Bridge No. 00870.

Laboratory results, TRC Mobile Data Solutions report, and project information sheet are attached.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

**TRC**

Stephen R. Arienti, CHMM
Office Practice Leader – Program Manager

Erik R. Plimpton, P.E., CHMM, CMC
Vice President – Engineer in Charge

# Lead Based Paint Measurement Summary Table

**Device(s) :** Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
**Client :** ConnDOT
**Site :** Bridge No. 00870, Glastonbury, CT
**Project # :** 501871.8284.0710
**Date(s) :** 10/22/2024
**Inspector :** HC

| Number | Interior/ Exterior | Bridge No. | Side | Structure | Feature | Material | Color | Condition | Reading ($mg/cm^2$) | Precision ($mg/cm^2$) | Depth Index | Duration (sec) | Date/Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | **Self Calibration** | | | | | | | | | | 100.3 | 10/22/2024 10:03 |
| 2 | | **Calibration 1.0** | | | | | | | 1.0 | 0.1 | 1.1 | 21.0 | 10/22/2024 10:08 |
| 3 | | **Calibration 1.0** | | | | | | | 1.0 | 0.1 | 1.1 | 24.5 | 10/22/2024 10:09 |
| 4 | | **Calibration 1.0** | | | | | | | 1.0 | 0.1 | 1.1 | 22.2 | 10/22/2024 10:10 |
| 5 | Exterior | Bridge No. 00870 | | Beam | | Metal | Grey | Defective | **2.3** | **0.5** | 1.3 | 3.3 | 10/22/2024 10:25 |
| 6 | Exterior | Bridge No. 00870 | | Beam | | Metal | Grey | Defective | **2.8** | **0.2** | 1.5 | 7.8 | 10/22/2024 10:25 |
| 7 | Exterior | Bridge No. 00870 | | Beam | | Metal | Grey | Defective | **2.3** | **0.2** | 1.5 | 9.6 | 10/22/2024 10:26 |
| 8 | Exterior | Bridge No. 00870 | | Railing | | Metal | Grey/Red | Defective | **14.5** | **2.7** | 2.0 | 4.5 | 10/22/2024 10:39 |
| 9 | | **Calibration 1.0** | | | | | | | 1.0 | 0.1 | 1.1 | 20.7 | 10/22/2024 11:06 |
| 10 | | **Calibration 1.1** | | | | | | | 1.1 | 0.1 | 1.1 | 16.2 | 10/22/2024 11:06 |
| 11 | | **Calibration 1.1** | | | | | | | 1.1 | 0.1 | 1.2 | 11.1 | 10/22/2024 11:07 |

Lead paint includes paint found to contain **any detectable** amount of lead
by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Stephen Arienti
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

# Analytical Report

# CET# 24J0626

Report Date:October 24, 2024
Project: Bridge 00870 Hazmat
Project Number: 501871.8284.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Certificate: 68-02927

**SAMPLE SUMMARY**

The sample(s) were received at 22.0°C.

This report contains analytical data associated with following samples only.

| Sample ID | Laboratory ID | Matrix | Collection Date/Time | Receipt Date |
|---|---|---|---|---|
| 1 | 24J0626-01 | Paint Chip | 10/22/2024 10:00 | 10/23/2024 |

**Analyte: TCLP Lead [EPA 6020B]** **Analyst: EAS**

**Matrix: Extract**

| Laboratory ID | Client Sample ID | Result | RL | Units | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 24J0626-01 | 1 | 210 | 0.013 | mg/L | 1 | BJ42427 | 10/24/2024 | 10/24/2024 13:20 | |

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Jeffrey Smith at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

This technical report was reviewed by Timothy Fusco

Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 24J0626
Project: Bridge 00870 Hazmat
Project Number: 501871.8284.0710

**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***EPA 6020B in Water*** | |
| Lead | CT |

Complete Environmental Testing operates under the following certifications and accreditations:

| Code | Description | Number | Expires |
|---|---|---|---|
| CT | Connecticut Public Health | PH0116 | 09/30/2024 |

24J0626.

*Edition: October 2009*
*Supersede Previous Edition*

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

# CHAIN OF CUSTODY

LAB ID #.

| PROJECT NUMBER | PROJECT NAME | PARAMETERS | TURNAROUND TIME |
|---|---|---|---|
| 501871.8284.0710 | Bridge 00870 Hazmat | | TCLP [ ] 8hr [X] 24hr [ ] 48hr [ ] 3day [ ] 24hr [ ] 48hr [ ] 3day [ ] 5day |

SIGNATURE: Andrew Smith

INSPECTOR: Andrew Smith

| FIELD SAMPLE NUMBER | DATE | TIME | TYPE COMP | TYPE GRAB | SAMPLE LOCATION | TCLP Pb | | | | | MATERIAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10/22/24 | 10:00 | X | | Bridge 00870 | X | | | | | Silver Railing paint, Grey beam paint |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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22°

| Relinquished by: (Signature) | Date: | Received by: (Signature) | Relinquished by: (Signature) | Date: | Received by: (Signature) |
|---|---|---|---|---|---|
| Andrew Smith | 10/22/24 | 10/23/24 0735 | | 10/23/24 | |
| (Printed) Andrew Smith | Time: 12:00 | (Printed) GREG GILDAY | (Printed) GREG GILDAY | Time: 11:35 | (Printed) |

Remarks: Results to SArienti@TRCcompanies.com

Condition of Samples: _____
Acceptable: Yes _____ No _____
Comments:

Page 1 of 1

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308



# BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0065603
Project #: 501871.8284.0710
Date Received: 10/22/2024
Date Analyzed: 10/22/2024

Site: Bridge #00870, Route 17 over New London Turnpike, Glastonbury, CT

## POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

| Sample No. | Sample Location | Homogeneous Material Description | Other Matrix Materials | | Asbestos % | Asbestos Type |
|---|---|---|---|---|---|---|
| 1 | North side of bridge wall | Black AJ 1 - asphalt joint filler | 30% | cellulose | ND | None |
| 2 | South side of bridge wall | Black AJ 1 - asphalt joint filler | 30% | cellulose | ND | None |
| 3 | Support beam connecting to bridge | Orange BP 1 - base pad on ends of support beams | 90% | cellulose | ND | None |
| 4 | Support beam connecting to bridge | Orange BP 1 - base pad on ends of support beams | 90% | cellulose | ND | None |
| 5 | South wall | Black DP 1 - drain pipe | 60% | cellulose | ND | None |
| 6 | South wall | Black DP 1 - drain pipe | 60% | cellulose | ND | None |
| 7 | Railing on top of bridge | Black RC 1 - railing caulk | | - - - | ND | None |
| 8 | Railing on top of bridge | Black RC 1 - railing caulk | | - - - | ND | None |
| 9 | Top of bridge | Black RT 1 - road tar | | - - - | ND | None |
| 10 | Top of bridge | Black RT 1 - road tar | | - - - | ND | None |

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308



# POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

| Sample No. | Sample Location | Homogeneous Material Description | Other Matrix Materials | Asbestos % | Asbestos Type |
|---|---|---|---|---|---|

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.



**Analyzed by:** Kathleen Williamson, Laboratory Manager

**Reviewed by** Najaat Bhura, Approved Signatory

**Date Issued**
10/22/2024

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

# ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

*Edition: October 2009*
*Supersede Previous Edition*

LAB ID #. 65603

| PROJECT NUMBER | PROJECT NAME | PARAMETERS | TURNAROUND TIME |
|---|---|---|---|
| 561871.____.0710 | ConnDOT — Bridge No. 00870, Route 17 Over New London TPKE | | PLM: ☐ 8hr X 24hr ☐ 48hr ☐ 3day<br>TEM: ☐ 24hr ☐ 48hr ☐ 3day ☐ 5day |
| SIGNATURE | INSPECTOR | | |
| HC | Andrew Smith,Hugh Crundwell | | |

| FIELD SAMPLE NUMBER | DATE | TIME | TYPE COMP | TYPE GRAB | SAMPLE LOCATION | PLM EPA 600/R93/116 (POSITIVE STOP) | PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP) | ANALYZE BY LAYER | POINT COUNT (IF >1% & <10%) | TEM NY NOB 198.4 (IF PLM SERIES NEG) | MATERIAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10/22/2024 | 10:14 | | X | North side of bridge wall | X | | | | X | AJ 1 - Black asphalt joint filler |
| 2 | 10/22/2024 | 10:14 | | X | South side of bridge wall | X | | | | | AJ 1 - Black asphalt joint filler |
| 3 | 10/22/2024 | 10:31 | | X | Support beam connecting to bridge | X | | | | | BP 1 - Orange base pad on ends of support beams |
| 4 | 10/22/2024 | 10:31 | | X | Support beam connecting to bridge | X | | | | | BP 1 - Orange base pad on ends of support beams |
| 5 | 10/22/2024 | 10:26 | | X | South wall | X | | | | X | DP 1 - Black drain pipe |
| 6 | 10/22/2024 | 10:26 | | X | South wall | X | | | | | DP 1 - Black drain pipe |
| 7 | 10/22/2024 | 10:41 | | X | Railing on top of bridge | X | | | | X | RC 1 - Black Railing Caulk |
| 8 | 10/22/2024 | 10:41 | | X | Railing on top of bridge | X | | | | | RC 1 - Black Railing Caulk |
| 9 | 10/22/2024 | 10:43 | | X | Top of bridge | X | | | | X | RT 1 - Black road tar |
| 10 | 10/22/2024 | 10:43 | | X | Top of bridge | X | | | | | RT 1 - Black road tar |

| Relinquished by: (Signature) | Date: | Received by: (Signature) | Relinquished by: (Signature) | Date: | Received by: (Signature) |
|---|---|---|---|---|---|
| HC | 10/22/24 | 10/22/24 | | | |
| (Printed) Hugh Crundwell | Time: | (Printed) 1210 | (Printed) | Time: | (Printed) |
| Remarks: | | | Condition of Samples: ____ Acceptable: Yes ✓ No ____ Comments: | | Page 1 of 1 |

EMSL Analytical, Inc.
528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

**EMSL Order:** 062414914
**Customer ID:** TRC51
**Customer PO:** 501871.82284.0
**Project ID:**

**Attention:** Kathleen Williamson
TRC Environmental Consultants
21 Griffin Road North
Windsor, CT 06095

**Phone:** (860) 298-9692
**Fax:** (860) 298-6399
**Received Date:** 10/23/2024 10:08 AM
**Analysis Date:** 10/25/2024
**Collected Date:** 10/22/2024

**Project:** ConnDOT - Bridge No. 00870, Route 17 Over New London TPKE; Project #: 50187.182284.0710

## Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

| Sample ID | Description | Appearance | % Matrix Material | % Non-Asbestos Fibers | Asbestos Types |
|---|---|---|---|---|---|
| 1<br>*062414914-0001* | North Side of bridge wall - AJ 1 - Black asphalt joint filler | Black<br>Non-Fibrous<br>Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 5<br>*062414914-0002* | South Wall - DP 1 - Black drain pipe | Black<br>Non-Fibrous<br>Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 7<br>*062414914-0003* | Railing on top of bridge - RC 1 - Black Railing Caulk | Black<br>Non-Fibrous<br>Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 9<br>*062414914-0004* | Top of bridge - RT 1 - Black road tar | Black<br>Non-Fibrous<br>Homogeneous | 100.0 Other | None | No Asbestos Detected |

Analyst(s)

*Rosemary Ortega (4)*

Daniel Clarke, Asbestos Laboratory Manager
or other approved signatory



Samples analyzed by EMSL Analytical, Inc. Carle Place, NY

Initial report from: 10/25/2024 11:09:28

06241491 4

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

# ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

*Edition: October 2009*
*Supersede Previous Edition*

LAB ID #. 65603

| PROJECT NUMBER | PROJECT NAME | PARAMETERS | TURNAROUND TIME |
|---|---|---|---|
| 561871.____.0710 | ConnDOT — Bridge No. 00870, Route 17 Over New London TPKE | | PLM: 8hr X 24hr 48hr 3day<br>TEM: 24hr 48hr 3day 5day |
| SIGNATURE | INSPECTOR | | |
| HC | Andrew Smith,Hugh Crundwell | | |

RECEIVED
EMSL ANALYTICAL, INC.
Carle Place, NY
OCT 23 2024 AM10:08

| FIELD SAMPLE NUMBER | DATE | TIME | TYPE COMP | TYPE GRAB | SAMPLE LOCATION | PLM EPA 600/R93/116 (POSITIVE STOP) | PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP) | ANALYZE BY LAYER | POINT COUNT (IF >1% & <10%) | TEM NY NOB 198.4 (IF PLM SERIES NEG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10/22/2024 | 10:14 | | X | North side of bridge wall | X | | | | X | AJ 1 - Black asphalt joint filler |
| 2 | 10/22/2024 | 10:14 | | X | South side of bridge wall | X | | | | | AJ 1 - Black asphalt joint filler |
| 3 | 10/22/2024 | 10:31 | | X | Support beam connecting to bridge | X | | | | | BP 1 - Orange base pad on ends of support beams |
| 4 | 10/22/2024 | 10:31 | | X | Support beam connecting to bridge | X | | | | | BP 1 - Orange base pad on ends of support beams |
| 5 | 10/22/2024 | 10:26 | | X | South wall | X | | | | X | DP 1 - Black drain pipe |
| 6 | 10/22/2024 | 10:26 | | X | South wall | X | | | | | DP 1 - Black drain pipe |
| 7 | 10/22/2024 | 10:41 | | X | Railing on top of bridge | X | | | | X | RC 1 - Black Railing Caulk |
| 8 | 10/22/2024 | 10:41 | | X | Railing on top of bridge | X | | | | | RC 1 - Black Railing Caulk |
| 9 | 10/22/2024 | 10:43 | | X | Top of bridge | X | | | | X | RT 1 - Black road tar |
| 10 | 10/22/2024 | 10:43 | | X | Top of bridge | X | | | | | RT 1 - Black road tar |

| Relinquished by: (Signature) | Date: | Received by: (Signature) | Relinquished by: (Signature) | Date: | Received by: (Signature) |
|---|---|---|---|---|---|
| HC | 10/22/24 | 10/22/24 | | | |
| (Printed) Hugh Crundwell | Time: | (Printed) 1210 | (Printed) | Time: | (Printed) Rosemary Ortega 10/23/24 10:09 AM |

Remarks:

Condition of Samples:
Acceptable: Yes ✓ No
Comments:

Page 1 of 1

10/23/24

Page 1 Of 2

062414914

# EMSL

528 Mineola Avenue, Carle Place, NY 11514
TEM Bulk Chain of Custody Record

Date: 10/22/2024

**PO#:** **C501871**
Client: TRC
Client Job#: 501871.82284.0710
Client Job Ref./Loc.: CT DOT- Bridge 00870, Route 17 over New London Turnpike
Relinquished by: K. Williamson
Received by:
Report to: KWilliamson@trccompanies.com; SArienti@trccompanies.com; KGraff@trccompanies.com; DCarillo@trccompanies.com EPlimpton@trccompanies.com; MKostruba@trccompanies.com; GKaczynski@trccompanies.com
Samplers Name: A. Smith & H. Crundwell

Analysis Type: **TEM EPA N.O.B**

Turnaround Time: <12 Hour <24 Hour **<48 Hour** <3 Day 5 Day Other:

| | | | | For Lab Use Only | |
|---|---|---|---|---|---|
| **Client ID #** | **Lab ID#** | **Description** | **Location** | **Acceptable on Receipt** | **Comments** |
| 1 | 65603 | Joint Filler | See COC | | |
| 5 | 65603 | Drain Pipe | | | |
| 7 | 65603 | Railing Caulk | | | |
| 9 | 65603 | Road Tar | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | RECEIVED |
| | | | | | EMSL ANALYTICAL, INC. |
| | | | | | Carle Place, NY |
| | | | | | OCT 23 2024 AM10:09 |
| | | | | | |
| | | | | | |
| | | | | | |

| For Lab Use Only | # Spies | Total | Client # | Batch # | Results Reported | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |

10/25/24

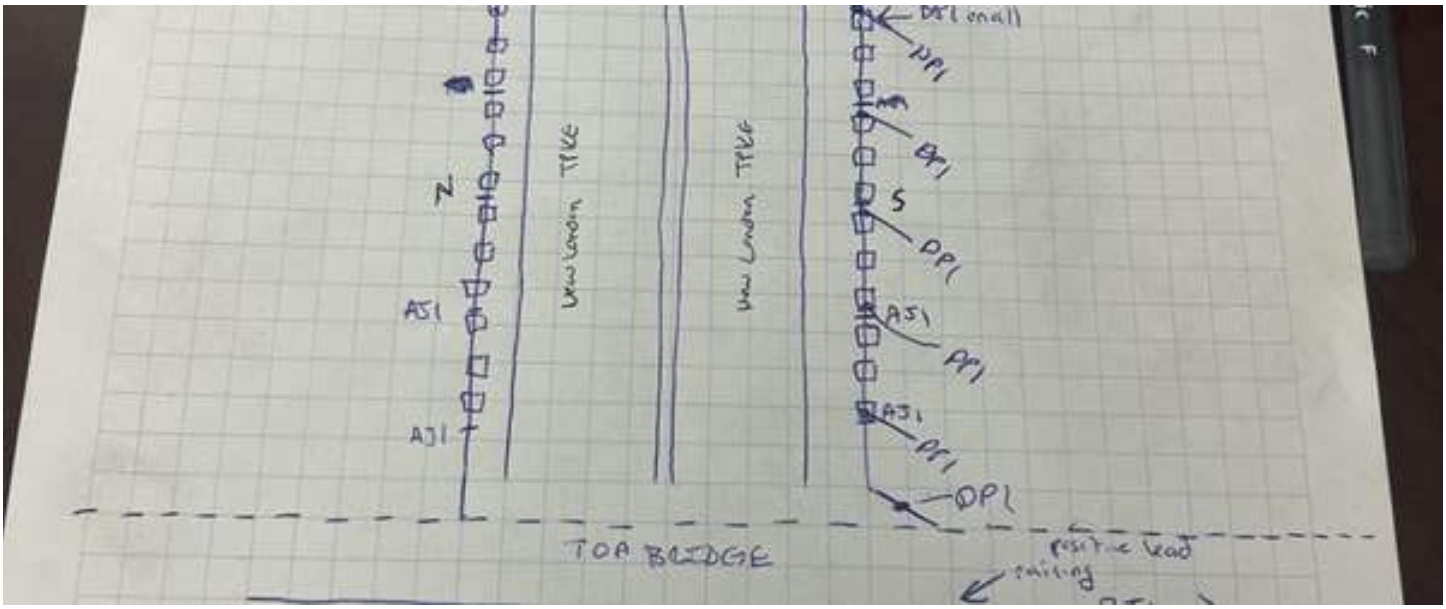


OrderID: 062414914

# SIH - WinSIH HBM Survey

## ConnDOT, Bridge No. 00870, Route 17 Over New London TPKE Glastonbury

**10/22/2024, 4:03:55 PM UTC**




**CREATED**

10/22/2024, 2:04:42 PM UTC
by Andrew Smith

**UPDATED**

10/22/2024, 4:03:55 PM UTC
by Hugh Crundwell

**STATUS**

In Progress

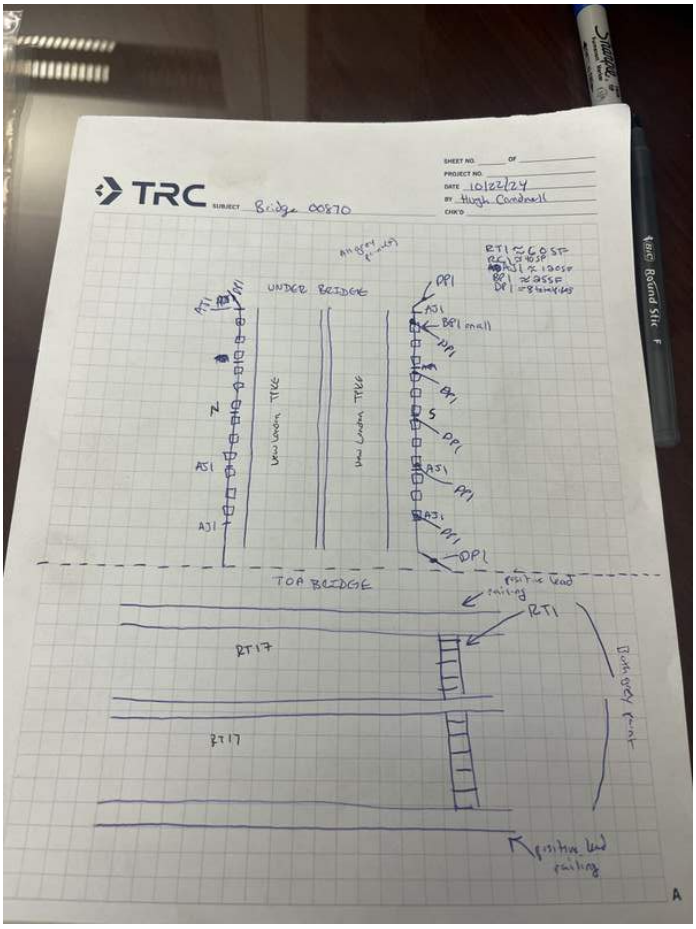
**ASSIGNED TO**

No Assignment

## JOB INFORMATION

| | |
|---|---|
| **Site Name** | Bridge No. 00870 |
| **Address** | Route 17 Over New London TPKE<br>Glastonbury |
| **TRC Project Number** | |
| **Project Manager** | Erik Plimpton, Stephen Arienti |
| **Inspector(s)** | Andrew Smith, Hugh Crundwell |
| **Client** | ConnDOT |
| **Type of Asbestos Survey** | Reno/Demo |

**Site Sketch Diagrams**




| | |
|---|---|
| **Additional Analysis for NOB Materials (Calc)** | TEM NY NOB 198.4 |
| **PLM Turnaround Time (TAT)** | 24-hour |
| **TEM Turnaround Time (TAT)** | |
| **Date** | October 22, 2024 |
| **General Notes** | |

**Overview Photo**

## Options & Other Settings

| | |
|---|---|
| **Use auto-numbering?** | No |
| **Auto-fill gaps?** | Yes |
| **Alert user about missing site sketch?** | Yes |

| | |
|---|---|
| **SURVEYS PERFORMED** | Asbestos, XRF, Hazardous Materials Inventory, TCLP Sampling, Bridge/Signs/Light Pole/Traffic Signal Items |

## Asbestos Survey

## Materials & Samples (5 Items)

### Materials & Samples - 1. (2) Samples #1–2: AJ 1–Black asphalt joint filler

### Sample Information

### Asbestos Samples (2 Items)

## Asbestos Samples - 1. Sample #1: AJ 1…North side of bridge wall

| | |
|---|---|
| **Sample Number** | 1 |
| **Sample Location** | North side of bridge wall |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:14 |
| **Sample Location Photo** | |

## Asbestos Samples - 2. Sample #2: AJ 1…South side of bridge wall

| | |
|---|---|
| **Sample Number** | 2 |
| **Sample Location** | South side of bridge wall |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:14 |
| **Sample Location Photo** | |

## Material Information

| | |
|---|---|
| **Sampled or Assumed?** | Sampled |
| **Material Acronym** | AJ 1 |
| **Material Description** | Black asphalt joint filler |
| **Material Color** | Black |

**Representative Photos**

| | |
|---|---|
| **Analyze by layer?** | No |
| **Is material non-friable organically bound (NOB)?** | Yes |
| **Homogeneous Area** | |
| **Total Approximate Quantity** | 120 LF |
| **Notes** | |

## Materials & Samples - 2. (2) Samples #3–4: BP 1–Orange base pad on ends of support beams

## Sample Information

## Asbestos Samples (2 Items)

## Asbestos Samples - 1. Sample #3: BP 1…Support beam connecting to bridge

| | |
|---|---|
| **Sample Number** | 3 |
| **Sample Location** | Support beam connecting to bridge |

| | |
|---|---|
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:31 |
| **Sample Location Photo** | |

## Asbestos Samples - 2. Sample #4: BP 1…Support beam connecting to bridge

| | |
|---|---|
| **Sample Number** | 4 |
| **Sample Location** | Support beam connecting to bridge |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:31 |
| **Sample Location Photo** | |

## Material Information

| | |
|---|---|
| **Sampled or Assumed?** | Sampled |
| **Material Acronym** | BP 1 |
| **Material Description** | Orange base pad on ends of support beams |
| **Material Color** | Orange |

**Representative Photos**

| | |
|---|---|
| **Analyze by layer?** | No |
| **Is material non-friable organically bound (NOB)?** | No |
| **Homogeneous Area** | |

| | |
|---|---|
| **Total Approximate Quantity** | 25SF |
| **Notes** | |

## Materials & Samples - 3. (2) Samples #5–6: DP 1–Black drain pipe

## Sample Information

## Asbestos Samples (2 Items)

## Asbestos Samples - 1. Sample #5: DP 1…South wall

| | |
|---|---|
| **Sample Number** | 5 |
| **Sample Location** | South wall |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:26 |
| **Sample Location Photo** | |

## Asbestos Samples - 2. Sample #6: DP 1…South wall

| | |
|---|---|
| **Sample Number** | 6 |
| **Sample Location** | South wall |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:26 |
| **Sample Location Photo** | |

## Material Information

| | |
|---|---|
| **Sampled or Assumed?** | Sampled |
| **Material Acronym** | DP 1 |
| **Material Description** | Black drain pipe |
| **Material Color** | Black |

**Representative Photos**

| | |
|---|---|
| **Analyze by layer?** | No |
| **Is material non-friable organically bound (NOB)?** | Yes |
| **Homogeneous Area** | |
| **Total Approximate Quantity** | 8 total pipes |
| **Notes** | |

## Materials & Samples - 4. (2) Samples #7–8: RC 1–Black Railing Caulk

## Sample Information

## Asbestos Samples (2 Items)

## Asbestos Samples - 1. Sample #7: RC 1…Railing on top of bridge

| | |
|---|---|
| **Sample Number** | 7 |
| **Sample Location** | Railing on top of bridge |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |

| | |
|---|---|
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:41 |
| **Sample Location Photo** | |

## Asbestos Samples - 2. Sample #8: RC 1…Railing on top of bridge

| | |
|---|---|
| **Sample Number** | 8 |
| **Sample Location** | Railing on top of bridge |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:41 |
| **Sample Location Photo** | |

## Material Information

| | |
|---|---|
| **Sampled or Assumed?** | Sampled |
| **Material Acronym** | RC 1 |
| **Material Description** | Black Railing Caulk |
| **Material Color** | Black |

**Representative Photos**

| | |
|---|---|
| **Analyze by layer?** | No |
| **Is material non-friable organically bound (NOB)?** | Yes |
| **Homogeneous Area** | |
| **Total Approximate Quantity** | 40SF |
| **Notes** | |

## Materials & Samples - 5. (2) Samples #9–10: RT 1–Black road tar

## Sample Information

## Asbestos Samples (2 Items)

## Asbestos Samples - 1. Sample #9: RT 1…Top of bridge

| | |
|---|---|
| **Sample Number** | 9 |
| **Sample Location** | Top of bridge |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |

| | |
|---|---|
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:43 |
| **Sample Location Photo** | |

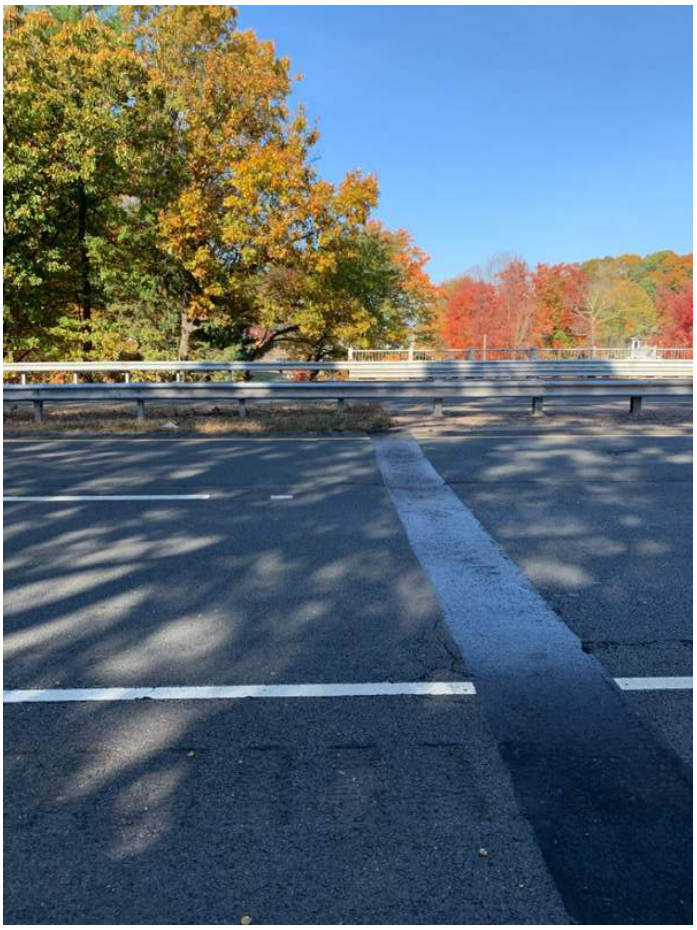
## Asbestos Samples - 2. Sample #10: RT 1…Top of bridge

| | |
|---|---|
| **Sample Number** | 10 |
| **Sample Location** | Top of bridge |
| **Asbestos Bulk Analysis** | PLM EPA 600/R93/116 |
| **Grab or Composite** | Grab |
| **Date** | October 22, 2024 |
| **Time** | 10:43 |
| **Sample Location Photo** | |

## Material Information

| | |
|---|---|
| **Sampled or Assumed?** | Sampled |
| **Material Acronym** | RT 1 |
| **Material Description** | Black road tar |
| **Material Color** | Black |

**Representative Photos**



| | |
|---|---|
| **Analyze by layer?** | No |
| **Is material non-friable organically bound (NOB)?** | Yes |
| **Homogeneous Area** | |
| **Total Approximate Quantity** | 60SF |
| **Notes** | |

## XRF Survey

| | |
|---|---|
| **Niton XRF Model No.** | 24792 |
| **XRF Survey Completed** | No |
| **XRF Data Downloaded** | No |
| **XRF Shots >1.0 on non-metallic building materials** | No |
| **Date Data Downloaded** | |

## HAZMAT Inventory

## Inventory Areas

## TCLP/SPLP/Total Lead Survey

## Samples

## Bridge/Signs/Light Pole/Traffic Signal Item Inventory

## Items (1 Item)

### Items - 1. 00870

| | |
|---|---|
| **Bridge/Sign/Light Pole/Traffic Signal No.** | 00870 |
| **General Notes** | |
| **Accessibility** | Accessible |
| **Paint on Structure (s)?** | Yes |
| **Paint on what Components/Structure(s)?** | Beams |
| **Suspect Asbestos Containing Materials Identified on Structure** | Yes |
| **Guano Present?** | Yes |
| **Guano Locations** | |
| **Guano Square Footage** | |
| **Guano Photos** | |
| **Homeless Activity** | No |
| **Bloodborne Pathogen Concerns?** | No |
| **Mice/Mouse Nests/Droppings** | No |

## LAB & SAMPLE SUBMISSION INFO

| | |
|---|---|
| **Signature** | |

## Asbestos Bulk Samples

| | |
|---|---|
| **Remarks to be added to the CoC** | |
| **Asbestos samples submitted to TRC lab?** | No |

| | |
|---|---|
| **Date Submitted to Lab** | |
| **Asbestos bulk sample CoC data electronically sent to lab yet?** | Yes |
| **Asbestos bulk sample results reviewed?** | No |

## TCLP Samples

| | |
|---|---|
| **TCLP/SPLP Samples Submitted to Lab** | No |
| **TCLP/SPLP Samples Submitted To:** | |
| **Date Submitted to Lab** | |

## REPORT CREATION

| | |
|---|---|
| **Select one or more documents below to be generated. Once completed in the cloud, they will be sent to the listed email address.** | |
| **NOTE: Asbestos bulk sample CoC data must now be sent electronically to the lab by selecting "Asbestos chain-of-custody - Send to Lab" from the list below.** | |
| **What documents should be generated?** | Asbestos chain-of-custody - Send to Lab, Asbestos chain-of-custody |
| **Generate Documents** | |

## PROJECT STATUS TRACKING

| | |
|---|---|
| **Has this survey been completed?** | No |
| **Has the report been written?** | No |
| **Has the report been reviewed?** | No |