

YEAR 2021 CCIL CORRELATION: RECOVERED PENETRATION (Alberta and Yukon)

One (1) sample (minimum 5000 g) each of Materials **RP-A-X** and **RP-B-X**, have been provided.

PREPARATION OF THE MATERIALS BY PARTICIPATING LABORATORIES

The 5000 g samples for each of the Materials **RP-A-X** and **RP-B-X**, shall be split into two equally divided sub-samples using a cold chisel and hammer.

TESTING

The asphalt cement shall be extracted and recovered from each of the sub-samples as per ASTM D1856 "Recovery of Asphalt from Solution by Abson Method", or ASTM D5404 "Practice for Recovery of Asphalt from Solution using the Rotary Evaporation". Extraction of the samples shall be conducted together with the removal of mineral fines using a centrifuge (SMM or other types).

The penetration of the recovered asphalt cement for each sample shall be determined at 25°C, 100g, 5 sec. as per ASTM D5 Penetration of Bituminous Materials.

All test results shall be reported online and submitted by **January 8 2021**. An example of a completed report form is shown on page 2.

Note 1: Please identify the Extraction Method, Solvent used and the Recovery Method by selecting from the dropdown feature on the Reporting Form.

Hard copies of the report forms and work sheets must be submitted by **January 8 2021** by mail or courier to:

Nabil Kamel, M.A.Sc., P.Eng.
CCIL Program Manager
3410 South Service Road, Suite 104
Burlington, Ontario, L7N 3T2
Tel: 289-337-8888: Fax: 289-337-8889: [e-mail: nkamel@ccil.com](mailto:nkamel@ccil.com)

DO NOT send reports and worksheets by fax.



**2020 Asphalt Reporting Form
Recovered Pen**

Recovered Pen Report - Certification Program

- ▶ **CCIL Confidential Lab #** CCIL 999
- ▶ **Lab Name:** Demo Lab
- ▶ **Tested by:**
 - Lab Technician
 - Supervisor / Manager
 - Not listed

Please specify

Super Technician

Recovered Pen Report

Test	A-RP x	A-RP y	- Avg	B-RP x	B-RP y	- Avg
Penetration @ 25C (100g/5s)	86	84	85	96	95	96

Extraction Method Used

D2172 Method A (Centrifuge Extractor)

Solvent Used

Trichloroethylene (TCE)

Recovery Method Used

D1856 (Abson)

Comments