

## YEAR 2019 CCIL CORRELATION

### EXTRACTION AND GRADATION TEST (ON QC)

One sample of hot mix asphalt identified as Material **EXT-(1,111,V)-(N)** and one sample of hot mix asphalt identified as Material **EXT-(II, IV, VI)-(N)** have been provided.

### TESTING

On receipt of the Material **EXT-(1,111,V)-(N)** and Material **EXT-(II, IV, VI)-(N)** the two materials shall be tested (use complete sample) as per LS-282 (latest revision) "Method of Test for Quantitative Extraction of Asphalt Cement and Analysis of Extracted Aggregate from Bituminous Paving Mixtures", using Trichloroethylene or n-Propyl Bromide as solvent (Note 1).

**Note 1:** *All solvents are reported to be toxic to some extent. Attention should be paid to the safety precautions and the use of proper safety equipment such as gloves, goggles, respiration masks and fume hoods.*

The extracted aggregate shall be dried of all solvent, followed by water washing, drying and sieving. Laboratories shall report data calculated on the basis of total dried aggregate mass corrected for mineral fines in the extracts using in-house equipment.

The cumulative percentage of sample **passing** each of the required sieves shall be reported. The asphalt content for each sample shall be calculated and reported on the same form.

**Note 2:** *Use only one bowl and its matching lid for all samples*

All test results shall be reported **online** by Friday **January 4 2019**. An example of a completed report form is shown on page 2.

Hard copies of the report forms and work sheets shall be submitted by **January 4 2019** by mail or courier to:

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Burlington, Ontario, L7N 3T2  
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**DO NOT** send reports and worksheets by fax.

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**2019 CCIL CORRELATION – EXAMPLE REPORT ONTARIO**

**Testing Admin Information**

your assigned CCIL Asphalt Lab No.:

**ON999**

- Lab Name (include Branch or Mobile #)
- E-mail Address
- Reported by (Contact Name)
- Phone Number (Contact)
- Tested by (Name(s))
- Results Reporting Date

**Apex Construction**

[enstein@apex.com](mailto:enstein@apex.com)

**Frank Enstein**

**(999) 999-9999**

**I.M. Homely**

**January 4 2019**

**LS-282 Extraction EXT-I and EXT-II**

**EXTRACTION and SIEVE ANALYSIS**

Results for:	Material I		Material II	
Sample Number		x		y
• %A.C.		5.03		5.26
<b>% Passing Sieve, mm</b>				
• 19.0		100.0		100.0
• 16.0		100.0		100.0
• 13.2		97.6		98.1
• 9.5		84.7		83.2
• 4.75		63.6		59.8
• 2.36		52.1		49.0
• 1.18		43.7		41.3
• 0.600		33.7		32.1
• 0.300		20.6		19.5
• 0.150		8.3		8.6
• 0.075		3.2		4.2

Report which solvent used with check mark ( X )

Trichloroethylene	
n-propyl bromide	X