CCIL Update and What is New?

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OAPC PIQ Seminars, 2018
CCIL Update and What is New?

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Introduction
Who CCIL is? what do we do?

- non-profit organization
- Safeguarding the Public and the environment
- Help protect quality, reliability and integrity of our road network, transportation system and our buildings
- Provide laboratory and Technician certification programs for the highway construction industry involved in asphalt, concrete, aggregate and soils materials testing
Introduction

Who CCIL is? what do we do?

- CCIL provides an independent 3rd. party assessment with no interest in the ramification of the results
- We have been in business for over 25 years. Started asphalt laboratory certification in Ontario and evolved to be a well respected Canadian National Organization with CCIL certified labs in all Provinces
- We have over 900 lab certifications, Nation-wide
- Sole Canadian provider of laboratory and technician certifications involved in testing highway construction materials in Canada
CCIL Certification Program Make-up Asphalt and Aggregate Materials

- The cornerstone of the program are Integrity and Confidentiality as per ISO 17025
- In addition, CCIL directive for a distinct effort of the CCIL staff to work with the labs to improve results/raise standards of testing
CCIL Certification Program Make-up Asphalt and Aggregate Materials

- CCIL Certification Programs are administered by LOCAL Admin Committees entrusted with establishing, and revising, the technical criteria for the core elements of the program in accordance with overall CCIL criteria.
- Participation in the local Administration Committees by all local Stakeholders: testing labs, contractor labs, Provincial Government and Municipal Authorities.
CCIL Certification Program Make-up Asphalt, Aggregate and Soils

In general, the CCIL certification programs are in compliance with ISO 17025, with 5 main components:

- Laboratory Inspections
- Proficiency sample testing on annual basis
- Proficiency samples program follow-up
- Quality manual & Internal Audits
- Technician Certification
## CCIL Certification Program Make-up-up Asphalt and Aggregate Materials

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CCIL Certification Programs
Overview, 2018

- Asphalt and Aggregate certified laboratories in AB, BC, MB, NB, NL, NS, ON, SK and YT
- Total number of Asphalt laboratories .................. 235
- Total number of Aggregate laboratories .............. 360
- Concrete certified laboratories nation-wide, in all provinces as well as in the NW Territories
- Total number of Concrete laboratories .................. 340
- Over 5000 certified technicians in HMA, Agg & Concrete
CCIL Certification Programs Overview, 2018

This year, once again a record number of CCIL laboratories in both Eastern and Western Canada

- 388 CCIL certifications in Western Canada; 117 Aggregate and 92 Asphalt certifications plus 179 in Concrete
CCIL Certification Program; %AC – Ignition Correlation Results

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CCIL Certification Program Results

- Results from AB, BC and ON confirm significant improvements in test result variations after lab certification.
- ON, BC and AB reported significant reductions in the number of contract disputes after introduction of lab certification.
Asphalt and Aggregate Laboratory Certification in Canada

- Ontario requires that QA testing on the MTO projects to be done by certified laboratories.
- BC, Mix design and referee testing on the BC MOT projects must be done by a certified laboratory.
- CCIL certification recognized in the B.C. Municipal projects, in B.C. Parks and in B.C. Hydro Projects.
Asphalt and Aggregate Laboratory certification in Canada

- In AB, SK and NS all Mix Designs for Provincial Transportation projects must be done by certified laboratories
- SK: all QC testing on the Ministry’s projects must be done by certified laboratories
- In NS, NB lab certification has recently been introduced and is being widely embraced.
What is new 2015-2018

- Reduction in annual certification fees in all programs
- Completed development and implementation of online certification applications, proficiency test analysis, automated correlation reports and an interface program to transfer the MTO Aggregate proficiency results into our automated system
- Completed automation of Asphalt and aggregate lab inspections and lab reply documents on your lab portal
What is new 2015-2018

- Developed an automated asphalt and aggregate technician data base as well as automated technician re-certification reminders
- Developed and implemented an automated application for the concrete certification program
- Developed and implemented new procedures for Suspension, Withdrawal, Appeals, Disputes and handling complaints for the Aggregate and asphalt certification programs
What is new 2015-2018

- Updating Lab Certification Docs LC 101 & LC 102
- Currently Developing an automated concrete lab audit system and following this will be developing a concrete technicians data base
- Developing an automated system for supplying ASTM Standards to your lab through the CCIL portal
- Hired a 3rd Western Canada inspector stationed in Vancouver and a new inspector for Eastern Canada
- Stationed in Saint John, NB
Summary Lab certification Benefits

Regular lab auditing & participation in Prof. Tests
- Ensures up-to-date & uniform test procedures
- Ensures testing is by qualified and trained staff
- Ensures equipment are calibrated and maintained
- Encourage technician training/certification
- Improves standard of excellence in testing
- Increases confidence in test results
- Reduces test variations and
- Reduces potential for job interruptions and disputes
Lab Certification is a win-win to all

- Regulators: the assurance that regulation is supported by valid test data
- Owners: the assurance that the project is built in accordance with the specified test requirements
- Contractors, producers, consultants & testing laboratories: improved confidence in testing results and reduced potential for job interruptions, construction delays and contract disputes
Thank You-CCIL Certification Team

(missing: D. Manning, A Virani and G. Leon)
CCIL Laboratory and Technician Certification Programs Update and What is New?

Thank you

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Questions?