

## APPENDIX A-6 REQUIREMENTS FOR PENETRATION TESTING OF RECOVERED ASPHALT CEMENT LABORATORIES (TYPE E)

This class of laboratory conducts tests to check for compliance with specifications for penetration of recovered asphalt cement. The laboratory may be either permanent or mobile. The laboratory must have the necessary general equipment for sampling, transportation, storage and re-heating, if necessary, without adverse effect. This laboratory must be CCIL certified as a Type A or Type B laboratory and must have the capability to support the specific testing involved.

### **Staff**

The testing services will be under the direction and control of a person charged with engineering-management responsibility. This designated person shall be a Professional Engineer (or equivalent as approved by CPAC) and a full-time employee of the Asphalt Laboratory and have at least three years experience in the testing of construction materials.

The direct testing services of the Laboratory will be supervised and reported by a supervisory laboratory technician with at least three years experience performing tests on construction materials. This designated person shall be able to demonstrate the ability to perform all tests required in the manner stipulated under MTO or other governing procedures. This person shall keep up with developments in asphalt technology and have C.E.T. designation (or equivalent as approved by CPAC).

Technicians employed in the Laboratory shall have the necessary experience to complete the required tests under the direct supervision of the supervisory laboratory technician. There shall be at least one laboratory technician who has met the requirements of the CCIL Asphalt Technician Certification Program working in the laboratory at all times while that laboratory is in operation.

### **3.3.2 Equipment, Manuals and Reporting Procedures**

The Laboratory must have the necessary equipment, manuals and reporting procedures to perform compliance checks on HMA mixes in accordance with current Ministry of Transportation of Ontario (LS), and ASTM (D) Methods:

LS-200/D5	Penetration of Bituminous Materials, Method of Test for
LS-284/D1856	Recovery of Asphalt from Solution by Abson Method, Method of Test for
LS-284/D5404	Recovery of Asphalt from Solution Using the Rotary Evaporator, Method of Test for

The Laboratory must keep up with any changes to these LS methods and procedures, and only complete testing and inspections to other methods as requested (ASTM, Transport Canada, etc.), if the laboratory has the necessary equipment, manuals and reporting procedures.