



Standard Test Procedures Manual

Section: INTRODUCTION

Subject: ORGANIZATION OF TESTING FACILITIES

1. GENERAL

Material testing services are provided, for the entire department, by Engineering Services Branch under the direction of Testing Services.

Testing Services provides training, policies, standards and procedures to be used for testing and evaluating materials for highway use.

Testing Services is responsible for the testing of soils, aggregate, asphalt concrete mixes, liquid asphalt, salt, paint and other materials that are used on the highway system. Testing Services is also responsible for geotechnical site investigations, locating aggregate sources, installing geotechnical instrumentation, installing traffic instrumentation and for the testing of highways' structural and surface performance.

Testing Services maintains a fleet of mobile field laboratories for use on construction sites for quality control testing and for use on sites which may involve the installation of measuring devices.

The testing facilities are available at two levels; stationary testing laboratories and mobile field testing laboratories.

1.1 Stationary Laboratories

The stationary laboratories are located in Regina and Saskatoon. The laboratories provide testing services to all units within the department.

The laboratories provide training and engineering advice on test procedures. Assistance is provided in solving testing problems occurring at the field level. Test results are monitored, for consistency and accuracy, through duplicate testing and by a mutual exchange of samples between the field and the stationary laboratories.

The laboratories also perform material tests that are beyond the scope of the mobile field laboratories to perform.

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1.2 Mobile Field Laboratories

Mobile field laboratories are placed at construction sites to provide test facilities and to provide construction quality control.

Field laboratories are equipped with all necessary equipment to perform the required test procedures according to type of construction project.