



**SECTION 110**

**ENGINEER'S FIELD OFFICE**

On projects having a total estimated tender value of \$250 000.00 or over, the Contractor shall supply a Field Office together with furniture for the use of engineering staff. The Field Office and furniture shall be of a standard not less than that shown and described in the plan in Section 1201 "Field Office". Should the Contractor wish to supply an office and furniture other than that shown and described on this plan then prior written approval of the Department must first be obtained before a substitution may be made.

The field office is to have a plain paper fax and separate photo copier. The copier must be capable of copying bound field books.

On projects having a total estimated tender value of less than \$250 000.00 the Contractor must still supply a field office and furniture, but the field office and furniture may be to a lower standard than that shown in Section 1201 "Field Office". Furniture and facilities may be reduced accordingly as agreed to by the Engineer, however, floor area shall not be less than fifteen square metres.

On contracts which involve the construction of a concrete bridge or concrete pavement, the Contractor shall equip the office with a concrete test cylinder curing tank of capacity not less than 0.2 cubic metres.

The field office must be located on the site of the project and shall be ready for use from the first day the Contractor commences work and it shall remain available for use for the duration of the contract. All doors for accessing the Engineer's Field Office shall be secured by means of an exterior latch suitable for a Department supplied padlock. Any other means of accessing the Field Office shall be securable and accessible from the inside only.

The Contractor shall periodically clean the office and maintain all electric lights, heating, hot and cold water, and the water-closet in good working condition at all times.

All costs of providing the office, furniture, and equipment and providing and maintaining the required heat, light, hot and cold water, and sanitary provisions together with periodic clean out shall be borne by the Contractor. No payment will be made for this item. The provision and maintenance of the Field Office shall be considered as part of carrying out the other contract items.

**SECTION 111**

**FIELD LABORATORY**

On projects having a total estimated tender value of \$250 000.00 or over and on which soils testing will be required, the Contractor shall supply a field laboratory together with furniture for use by engineering staff.

The field laboratory shall be heated, have 110 volts 60 cycle electrical outlets, electric light, work benches, clean running water, washroom facilities, electric laboratory oven, propane table top stove, and be suitable for the type of testing called for in the specifications. The field laboratory and furniture shall be of a standard not less than that shown on the plan in Section 1203 "Field Laboratory". Should the Contractor wish to supply a field laboratory and furniture other than that shown in Section 1203, then prior written approval of the Engineer must first be obtained.

The field laboratory is to have a photo copier capable of copying letter (8.5" x 11") and legal (8.5" x 14") sized paper as well as bound field books. The office area in the laboratory shall also be fitted with an air conditioning unit.

Whenever asphalt testing is conducted, the Contractor is required to supply a minimum of one asphalt content ignition oven. The asphalt content ignition oven and integrated weighing system must be designed to continuously measure the weight loss of an asphalt paving mixture during combustion and

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automatically display and print out the asphalt content by percentage. Following cooling, a gradation analysis will be carried out on the remaining aggregate.

Ignition ovens models must be approved by the Materials Engineering Division prior to purchase. An acceptable oven is the Troxler New Technology Oven, Model 4730. The ignition oven must come complete with the standard manufacturer's equipment (e.g. sample baskets, carriers, safety cage, insulated gloves, etc.) Site selection and installation of the oven and exhaust system shall be carried out by the Contractor according to the Manufacturer's recommendations. The field laboratory shall be equipped with a separate electrical circuit to supply power to the ignition oven. The power supply for the laboratory must be adequate to properly operate all laboratory equipment and building services.

The Contractor shall maintain the ignition oven in good working conditions at all times and is responsible for all hardware and software updates for the ignition oven. The Contractor is responsible for decommissioning of the oven on completion of the project. Printer tape and a wet / dry vacuum cleaner, with an appropriate filter must be provided by the Contractor.

The field laboratory shall be located on the site of the project and shall be ready for use from the first day the Contractor commences work for which testing is required, and it shall remain available for use for the duration of the contract. All doors for accessing the Field Laboratory shall be secured by means of an exterior latch suitable for a Department supplied padlock. Any other means of accessing the Field Laboratory shall be securable and accessible from the inside only.

The Contractor shall supply a separate vented steel storage locker for the Department's coring machine and mixed gas. The storage unit shall be located near the field laboratory and have a means of properly securing its contents.

The Contractor shall periodically clean the laboratory and maintain all electric lights, heating, running water, and sanitary provisions in good working condition during the time the laboratory is required.

On projects having a total estimated tender value of less than \$250 000.00, the Contractor shall provide and maintain a field laboratory as described, or provide transportation of all Test Samples from the job site to the Department's Soils Laboratory at LeMarchant Road in St. John's.

Test samples shall be selected by the Engineer, or his representatives, and the number and the frequency of taking test samples shall be at the sole discretion of the Engineer.

All costs of providing and maintaining the field laboratory as described, or of transporting test samples shall be borne by the Contractor. No payment will be made for this item. The provision and maintenance of the field laboratory shall be considered as part of carrying out those contract items for which tests are required.

**SECTION 112**

**BOARD AND LODGING FOR DEPARTMENTAL PERSONNEL**

The Contractor shall supply board and lodging to the Department's Engineering staff, or their representatives, employed on the work, providing that the Contractor is maintaining accommodations for his staff. Board and lodging shall include furnished sleeping quarters, comparable to those supplied to the Contractor's own staff.

Payment for board and lodging will be made at the following rates (including HST):

EFFECTIVE DATE	BREAKFAST	LUNCH	DINNER	LODGING	TOTAL
April 1, 2000	\$7.30	\$10.95	\$18.25	\$25.00	\$61.50

The Contractor shall not charge the Department for meals not availed of by the Department's Engineering staff as long as three (3) hours notice previous to meal time is given by the Engineer. When the Department's employees do not avail of the meals and accommodations supplied by the Contractor on

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weekends and holidays, payment will be made for lodging only.

Should the Contractor provide accommodations for his staff, and insufficient space is made available for Department personnel, alternate arrangements will be made for Department personnel and costs associated for the alternate arrangements, in excess of the \$25.00 for lodging specified above, are to be borne by the Contractor.

**SECTION 113**

**SANITARY PROVISIONS**

The Contractor shall provide and maintain sanitary provisions for the use of his employees. The sanitary provisions shall be in accordance with the various Provincial Government and Municipal Government Regulations.