

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. RELEASE OF PERFORMANCE SECURITY

E2.1 The performance security shall be retained by the City of Winnipeg for two (2) months from the date of issue of the certificate of total performance.

E3. METHOD OF PAYMENT

E3.1 Payment for the equipment shall be processed through the City of Winnipeg Hired Equipment Payroll System. Payment shall be made bi-weekly subject to (and not limited to) proper documentation of work tickets by the equipment operators. All payments are subject to the approval of the Contract Administrator.

E4. PRICES

E4.1 Unit Price stated in the Prices shall include and provide for the following:

- (a) Qualified operators;
- (b) Fuel, oil, lubrication and all maintenance;
- (c) Any and all overtime and holidays;
- (d) Any and all travel time;
- (e) Any and all attachments;
- (f) All insurance and all other costs;
- (g) All other costs incidental to getting the work performed in accordance with this specification.

E5. HOURS OF WORK

E5.1 The normal operating hours of the landfill during the summer are 6:00 A.M. to 6:00 P.M., Monday to Friday; 8:00 A.M. to 4:00 P.M. Saturday; and 9:00 A.M. to 5:00 P.M. on Sunday.

E5.2 The normal operation of the equipment will be eight hours a day, five days a week. Where work is delayed or terminated by rain or some other factor or is accumulating on the ground not compacted the Contractor may be required to work additional hours per day and/or to work on holidays and Sundays to make up any deficiencies in operation. The Contract Administrator will have full authority to determine when additional work is required and when the Contractor will do the work.

E5.3 No premium will be paid for overtime, holidays or weekends.

E6. OPERATORS' COMPETENCE AND PERFORMANCE

- E6.1 The operators must conform to all safety regulations within the landfill, and will attend safety meetings as determined by the Contract Administrator.
- E6.2 Where, in the opinion of the Contract Administrator, an operator is unqualified, is operating in an unsafe manner, and/or is not accomplishing a satisfactory amount of work, the operator may be dismissed (immediately if necessary) and the Contractor so advised.
- E6.3 All operators operating equipment for the City, under this Contract, are required to complete work tickets supplied by the City, at the end of each work shift and when work is completed or otherwise terminated. Tickets must be completed so as to indicate date, location of work, Contractor's name, equipment number, description of equipment, start and finish time using the 24-hour clock, operating hours, operator's signature, and operator's name printed if signature is not clearly legible. These tickets are to be signed by the landfill foreman or his designate and are to be distributed as indicated on the bottom left of the ticket.
- Failure to properly complete the above mentioned work tickets will result in delay of payment for the shift involved until such time as the ticket is corrected and re-submitted.
- E6.4 The Contract Administrator will monitor the progress of the landfill operation and provide any required field survey work. He/she will be the sole authority to determine if the Contractor is required to rework any face. The Contractor will not be paid for work that is considered to be inferior.

E7. METHOD OF OPERATION

- E7.1 The Contractor will operate in the manner directed by the Contract Administrator or the Contract Administrator's designated representative.
- E7.2 The Contractor will recognize that the landfill site is not a closed construction site, and further recognize that the site is controlled by various safety regulations, including speed limits, to ensure a safe work place. The Contractor agrees to abide by all safety regulations and ensure that his agents or sub-Contractors obey all regulations. The Contractor shall require that all their staff, agents, or sub-Contractors wear the necessary safety gear as prescribed by the Contract Administrator. The Contractor will recognize that regulations change from time to time and will conform to any changes as approved by the Contract Administrator.
- E7.3 The Contract Administrator reserves the right to modify methods of operation from time to time in the best interests of the City of Winnipeg and the Contractor shall follow reasonable instructions regarding changes in operational methods.

E8. FACILITIES

- E8.1 The Contractor's staff will be allowed the use of the lunchroom and washroom in the shop facility.
- E8.2 The Contractor shall be permitted to establish his own maintenance, lunch, and parking facilities on site subject to the written approval of the Contract Administrator. The Contractor is further advised that no existing on-site buildings may be available for their use, unless approved by the Contract Administrator.**
- E8.3 The Contractor will be responsible for providing storage facilities for fuel and lubricants. A detailed plan must be provided by the Contractor showing the location and design of his field-fuelling depot. The Contract Administrator must approve these plans.

E9. EQUIPMENT

- E9.1 Prior to the award of the Contract the Bidder will be required to arrange to have the equipment inspected by the City of Winnipeg to verify that it is in good operating condition and meets the requirements of the specifications.
- E9.2 Replacement equipment, if regular units are under repair, will be the responsibility of the Contractor.
- E9.3 Should the Contractor be unable, refuse, or otherwise not make available replacement equipment in the event the Contractor's equipment is not functioning properly or is inoperative, the City may, at the discretion of the Contract Administrator, provide replacement equipment and charge the cost of the replacement equipment to the Contractor. The Contract Administrator shall advise the Contractor in writing of his/her intention to provide replacement equipment. Where practical, a minimum of four (4) hours prior to the replacing equipment arriving on the site will be given to the Contractor. The Contractor will note that any action under this section by the City will not relieve the Contractor of their obligations under this Contract.
- E9.4 Should the downtime experienced by the Contractor's equipment become excessive in the opinion of the Contract Administrator, the Contract Administrator shall advise the Contractor in writing to take whatever measures are necessary to reduce the downtime to an acceptable level. Failure to do so may cause the City to take whatever action they feel is necessary.

E10. TYPE OF EQUIPMENT

- E10.1 These specifications describe the basic type of equipment required at the Brady Road Sanitary Landfill. Two (2) different types of equipment are used at the landfill; crawlers, and crawlers with scrapers.
- E10.2 CRAWLER TRACTOR WITH BLADE
- E10.2.1 The crawler must have a minimum flywheel power 212 kW (285 HP) and a minimum operating weight of 32 000 kg (70,560 lb).
- E10.2.2 The blade must be hydraulically controlled with a minimum capacity of 24 m³ (31.4 yd³) and designed for refuse and must not impede operators' visibility.
- E10.2.3 The crawler must be equipped with a ROPS cab, heater, wipers, powershift transmission, strobe beacon light, Backup alarm (78 decibels minimum), and equipped with front headlights and rear work lamps.
- E10.2.4 This unit will be used to stack refuse and place cover material as well as assist the crawler tractor and scraper units in the pickup of excavated material.
- E10.3 CRAWLER TRACTOR WITH RIPPER:
- THIS UNIT, AT THE CONTRACTOR'S OPTION, MAY BE THE CRAWLER PROVIDED UNDER E10.2 EQUIPPED WITH A RIPPER.
- E10.3.1 The crawler must have a minimum flywheel power 212 kW (285 HP) and a minimum operating weight of 32 000 kg (70,560 lb) and be equipped with a hydraulically controlled single shank ripper.
- E10.3.2 Crawler must be equipped with a powershift transmission, backup alarm (78 decibels minimum), and equipped with front headlights and rear work lamps

E10.4 CRAWLER TRACTORS & SCRAPERS

- E10.4.1 Two (2) crawler tractors and hydraulically controlled scrapers shall be provided. These units will be used to pick up and convey cover material for the refuse as well as cell excavation and berm construction.
- E10.4.2 The crawler tractors must be sized and powered in accordance with requirements to productively self-load the tow behind earth moving rubber-tired scraper under the landfill soil conditions. The crawler must have a minimum flywheel power 212 kW (285 HP) and a minimum operating weight of 32 000 kg (70,560 lb).
- E10.4.3 The minimum required struck scraper capacity is 13.8 m³ (18.0 yd³). SPEC NOTE: Provide detailed specifications for each item.