

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS AND STANDARD DETAILS

- E1.1 *The City of Winnipeg Standard Construction Specifications* in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.1.1 *The City of Winnipeg Standard Construction Specifications* is available in Adobe Acrobat (.pdf) format on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division internet site at <http://www.winnipeg.ca/matmgt>.
- E1.1.2 Further to GC:2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.

E2. GENERAL WORK REQUIREMENT

- E2.1 The Contractor shall provide asphalt patching and paving in accordance with the requirements hereinafter specified.
- E2.2 A number of City Departments or Branches, mainly Planning, Property and Development, Public Works, Water and Waste, and Fire Paramedic Departments require asphalt maintenance on such items as parking lots, driveways, tennis courts, side walks, and drainage channels. The intent of this specification is to hire an asphalt Contractor for the 2004/2005 season to carry out all repairs in accordance to the Standard Construction Specifications of the City of Winnipeg (Works and Operations Division).
- E2.3 Because many of these projects are small, a mobilization cost shall be provided for each Site in addition to unit costs. In the case of employee parking lots, it may be more convenient for the Contractor to complete this Work after 5:00 p.m. It is anticipated that each department will contact the successful Contractor individually with a list of repair projects and visit each Work Site with the foreman to mark out area of Work. It will also be the responsibility of each department to confirm quantities, provide inspection and process payment. After the initial repair lists are completed this summer, additional Work may be authorized in the fall.
- E2.4 It is anticipated that some Work orders may be issued by May 2004 and Work is to start immediately or when weather permits.
- E2.5 The Contractor shall be familiar with the City of Winnipeg Standard Construction Specifications and have a proven track record in asphalt paving along with equipment and men at their disposal.
- (a) The City of Winnipeg Standard Construction Specifications are to be strictly adhered to at all times, however method of payment will be as stated on Form B: Prices. Contractor shall provide weight tickets from authorized scales for items paid for by weight methods (see E16 & E17).
- E2.6 Note: Contractor's invoice must include breakdown of prices as per Form B: Prices showing the various units along with associated scale tickets used for each Site. Lump sum invoicing will not be honoured for payment. Contractor must submit a copy of breakdown of prices to the Contract Administrator. (Note Invoice should be submitted to requesting Department.)
- E2.7 These specifications are intended for patching and paving of small areas.

E3. MOBILIZATION

- (a) This cost is to be paid to the Contractor on a per Site repair. This cost covers initial visit to the Site and for bringing the necessary equipment and men to the Site. There will only be one payment per Site regardless if contractor has to return to the Site to complete Work remaining from a previous day or to clean up deficiencies.

E4. REMOVAL OF ASPHALT PAVING

- (a) The work under this section covers scraping off cracked surface asphalt and trimming to sound asphalt with jack hammers or saws. This payment shall be on a unit area basis as measured in the field by the nearest 0.5 square metres.
- (b) Work under this section covers removal, disposal off Site and clean up.

E5. GRADING AND COMPACTION OF BASE

- (a) This section of the Work covers grading and compaction of the existing base. This unit applies to cases where there is an existing granular parking lot that requires grading or in the case of where an area has been excavated and the clay sub-grade requires compaction. Methods for compaction shall be as specified in CW3110-R4 of the Standard Specifications.
- (b) Payment for this unit shall be on a square metre basis.

E6. EXCAVATION AND REMOVAL

- (a) In excavation depths over 150mm, the volume shall be measured for excavated material (usually removal of silt pockets or other unsuitable material).
- (b) Payment for Work under this section covers excavation and disposal off Site by the Contractor and shall be measured in the field to the nearest 0.5 cubic meter.

E7. SUPPLY AND PLACING OF LIMESTONE SUB-BASE

- (a) This unit covers supplying and placing of sub-base material in deep fill areas or excavations over 150mm and covered under Section CW3110-R4. Payment shall be based on ticket weight basis or on an estimated portion for partial loads. Compaction shall be by means of vibrating mechanical compactors in lifts not exceeding 150mm.
- (b) Payment shall be based on ticket weight measurement for supply and placing. For partial loads per Site, the estimated weight shall be used.

E8. SUPPLY AND PLACING OF BASE COURSE

- (a) This unit covers supply and placing of base course materials in areas where new base course material is to be supplied under asphalt paving.
- (b) Payment shall be based on ticket weight measurement for supply and placing. For partial loads per Site, the estimated weight shall be used.

E9. SUPPLY AND PLACING OF ASPHALT (0.5 TO 6 TONNES)

- (a) This unit applies to small patching (0.5 to 6 tonnes) per Site and includes supply, placing and rolling of hot asphaltic pavement as per Standard CW3410-R4 and payment by means of ticket weight. In most cases this Work involves hand placing of asphalt in potholes or areas of settlement and compaction with a light roller to produce a smooth dense finish.
- (b) Payment shall be based on ticket weight measurement for supply and placing. For partial loads per Site, the estimated weight shall be used.

E10. SUPPLY AND PLACING OF ASPHALT (6 TO 30 TONNES)

- (a) This unit applies to larger areas of patching or payment (6 to 30 tonnes) per Site where asphalt spreaders or asphalt finishers can be employed. Compaction of finished asphaltic pavement shall be by means of pneumatic tire roller and steel wheel rollers. All Work shall be carried out as per Standard CW3410-R4 and payment by means of ticket weight.
- (b) Payment shall be based on ticket weight measurement for supply and placing. For partial loads per Site, the estimated weight shall be used.

E11. ASPHALT SPEED BUMPS

- (a) This unit covers the supply and installation of standard asphalt speed bumps (approximately six inches by eighteen inches high) in designated areas of existing concrete or asphalt roadways.
- (b) Payment for above Work covers all material and labour necessary to complete the Work and payment shall be on a lineal metre basis. There will be no additional payment for asphalt by weight for this item.

E12. JOINT AND CRACK MAINTENANCE

- (a) This unit covers routing and repairing asphalt or concrete in driveways, parking lots and tennis courts as per CW3250-R2. In the case of tennis courts or walkways, a modified surface treatment may be necessary.
- (b) Payment shall be on a lineal measurement.

E13. SUPPLY AND INSTALLATION OF PRE-CAST PARKING CURBS

- (a) This item applies to supply and installation of new eight foot (8") long standard pre-cast curbs. Installation shall consist of driving in 3 #18x24 inch reinforcing rods into the sub-grade. In the case of replacing of existing curbs, the Contractor shall remove and dispose of deteriorated curbs.
- (b) Payment for this Work shall be on an each curb basis.

E14. RELOCATION OF EXISTING PRE-CAST CURBS

- (a) This item applies to the relocation of existing pre-cast concrete curbs (on the same Site). This includes pulling out (or driving into the ground at least 3 inches below the surface) the existing dowels, moving the curbs to the new location and installing 3 #15x24 inch steels.
- (b) Payment under this item will also be made in cases where the curbs are to be removed or relocated for asphalt patching or paving. These dowels are to be predrilled into the concrete on asphalt surface. Payment for this Work shall be on a unit curb basis.

E15. SUPPLY AND INSTALLATION OF "ASR" CURBS

- (a) This item applies to supply and installation of new 8" x 5-1/4" x 8" "ASR" (recycled Auto Shredder Residue) curbs such as "Impact-Curb" manufactured by X Potential Products (204) 224-3933 or approved equal curbs shall be installed according to manufacturer's instructions. In the case of replacing existing curbs, the Contractor shall remove and dispose of deteriorated curbs.
- (b) Payment for this Work shall be on a unit basis per curb.

E16. VERIFICATION OF WEIGHTS

- E16.1 All products, which are paid for on a weight basis, shall be weighed on a scale certified by Consumer & Corporate Affairs, Canada.

- E16.2 All weigh tickets shall have the gross weight and the time and date of weighing printed by an approved electro/mechanical printer coupled to the scale.
- E16.3 The tare weight and net weight may either be hand written or machine printed.
- E16.4 All weights, scales, and procedures shall be subject to inspection and verification by the Contract Administrator. Such inspection and verification may include, but shall not be limited to;
- (a) checking Contractors scales for Consumer & Corporate Affairs certification seals.
 - (b) observing weighing procedures.
 - (c) random checking of either gross or tare weights by having such trucks as the Contract Administrator shall select weighed at the nearest available certified scale.
 - (d) checking tare weights shown on delivery tickets against a current tare (not more than one month old) to be carried in all trucks delivering weight measured materials to City of Winnipeg projects.
- E16.5 It shall be the truck owner's responsibility to obtain this tare and keep it current. This tare shall be obtained by weighing the truck or truck/trailer(s) combination on a certified scale and shall show:
- (a) which scale the truck was weighed on
 - (b) the mechanically printed tare weight
 - (c) the licence number (s) of the truck and trailer(s)
 - (d) the time and date of weighing
- E16.6 No charge shall be made to the City for any delays or loss of production caused by such inspection and verification.
- E16.7 Arrangements for the use of independent scales shall be made by the Contract Administrator and shall be at no cost to the Contractor.
- E17. TRUCK WEIGHT LIMITS**
- E17.1 The Contractor is reminded of weight restrictions of vehicles included in the City of Winnipeg Traffic By-Law.
- E17.2 The Contractor is advised that there will be no payment for any portion of a commodity, which results in the vehicle exceeding the allowable gross vehicle weight for that vehicle, unless such vehicle is operating under special permit.