

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply and deliver cold mix asphalt in accordance with the requirements hereinafter specified.

E2.2 Cold Mix Asphalt:

Modified cut-back asphalts

- (i) Q.P.R. 2000
- (ii) I.A.R. Liquid
- (iii) Elsro Road Repair Binder
- (iv) Optimix Cold Patch
- (v) Perma Patch
- (vi) Matrex Permanent Cold Patch

Known suppliers

TCG Materials (Brantford, ON)
Innovative Building Prod. (Ajax, ON)
Elsro Construction Prod. (St. Albert, AB)
Optimix Inc. (Melville, N.Y.)
McAsphalt Ind. (Winnipeg, MB)
Matrex Company (Locust Hill, ON)

E2.3 The above-mentioned products are the only approved asphalts to be used in the production of cold mix asphalt.

E3. AGGREGATES

E3.1 Cold Mix Modified Cutbacks:

E3.1.1 The aggregates to be used for cold mix modified cutback shall be crushed limestone meeting the following gradation requirements prior to the introduction of the modified cutback asphalt.

<u>Metric Sieve</u>	<u>% Dry Weight Passing</u>
10,000	100
5,000	50-70
2,500	5-25
1,250	4-10
315	0-6
80	0-4

E3.1.2 The limestone when subjected to the abrasion test shall have a loss of not more than thirty (30) percent. The method of testing shall be in accordance with ASTM Standard C131, Test for Resistance to Abrasion of Small Size Coarse Aggregate by Use of the Los Angeles Machine.

E3.1.3 The limestone retained on the No. 5000 sieve shall contain not less than one hundred (100) percent crushed aggregate as determined by actual particle count. Crushed aggregate shall be considered as that aggregate having at least two freshly fractured faces.

- E3.2 The cold mix asphalt shall consist of aggregates (as described in E3.1.1) and a minimum 5.0% modified cutback asphalt as described in E2.2. by weight of total mix at time of mixing.
- E3.3 Mixing temperature of mix shall be in accordance with the Modified Cutback Manufacturer's recommendations.
- E3.4 The Contractor must ensure thorough coating of all aggregate with asphalt at time of mixing. Should any cold mix delivered by the Contractor not be thoroughly coated with oil to the satisfaction of the Contract Administrator, the load may be rejected and no payment made for same. The Contract Administrator's decision of thoroughness of coating shall be final.
- E3.5 All cold mix asphalt supplied under this contract may be stockpiled uncovered outside for up to 12 months. The piles must remain workable and pliable for a period of up to 12 months from date of delivery.

E4. DELIVERY

- E4.1 Goods shall be delivered to the locations listed in Table B – Delivery Locations within a seventy-two (72) hour period; individual orders will not be less than 50 tonnes, f.o.b. destination, freight prepaid.
 - E4.1.1 Approximately 200 tonnes will be required between October 1, 2004 and November 30, 2004 and the other 600 tonnes will be required between February 1, 2005 to August 31, 2005.
 - E4.1.2 The Contractor shall confirm each scheduled delivery with the User at least twenty-four (24) hours before delivery.
 - E4.1.3 The Contractor shall promptly report any delay or change to an agreed delivery date to the User.
- E4.2 Goods shall be delivered between 8:00 a.m. and 3:00 p.m. on Business Days.
- E4.3 The Contractor shall off-load goods as directed at the delivery location.
- E4.4 Table B of these Specifications, lists the intended delivery locations, and is provided for the convenience of the Bidder only. The City reserves the right to add or delete locations, within the boundaries of the City, or alter the type or quantity of goods to be supplied to any location as required by changes in its operations during the term of the Contract.

TABLE B – DELIVERY LOCATIONS

Delivery Location	Approx Useage per tonne
1220 Pacific Avenue	275 tonne
1277 Pacific Avenue	25 tonne
849 Ravelston Avenue West	200 tonne
590 St. Anne's Road	100 tonne
1539 Waverley Street	100 tonne
552 Plinquet Street	100 tonne