

**CITY OF MEMPHIS – STANDARD CONSTRUCTION SPECIFICATIONS**  
**SECTION 02742 COLD MIX ASPHALT**

**PART 1 - SCOPE**

This work shall consist of furnishing, placing, and compaction of cold mix asphalt (bituminous plant mix), for use as a general purpose paving material for areas not defined on the Plans, but as directed at the site by the Owner. Uses might include pavement patching for street surfaces damaged in construction activities, patching pavement for utility cuts, or such other uses as might be encountered at the site or near the site of the Work.

**PART 2 - MATERIALS AND EQUIPMENT**

2.01 MATERIALS.

A. Mineral Aggregate.

1. The mix aggregate for cold bituminous plant mix shall consist of crushed stone meeting the quality requirements of ASTM D 692. The amount of the material finer than 200 mesh shall not exceed 1.0 percent. If all material finer than the 200 mesh sieve consists of the dust of fracture, essentially free from clay or shale, the percentages may be increased to 1.5.

The mix aggregate shall be as follows:

<u>Sieve Size</u>	<u>Percent Passing by Weight</u>
1"	100
3/4"	90-100
1/2"	---
3/8"	30-65
No. 4	5-25
No. 8	0-10
No. 16	0-5

2. Key or choker aggregate shall be crushed stone or crushed gravel meeting the same quality requirements as the mix aggregate and shall meet the following gradation requirements:

<u>Sieve Size</u>	<u>Percent Passing by Weight</u>
1/2"	100
3/8"	85-100
No. 4	10-30
No. 8	0-10
No. 16	0-5

B. Asphalt.

Asphalt shall be Emulsified Asphalt, Grade AE-3 as specified in Section 904 of the Tennessee Department of Transportation Standard Specifications for Road and Bridge Construction.

C. Composition of Mixtures.

The specified material aggregate and bituminous material shall be combined in such proportions as to produce mixtures within the following master composition limits:

Proportions of Total Mixture, Percent by Weight	
Mineral Aggregate	93.0-95.0 percent
Emulsified Asphalt	5.0-7.0 percent

2.02 EQUIPMENT.

All equipment necessary for the satisfactory performance of this work shall be on hand and inspected before work will be permitted to begin.

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**PART 3 - CONSTRUCTION REQUIREMENTS**

3.01 GENERAL.

The location and designated surface upon which cold mix asphalt is to be placed shall be as directed by the Owner. Unless otherwise instructed by the Owner, the placing of material shall meet the construction requirements and shall be in accordance with the applicable paragraphs Specification Section 02710.4 Part 3.

**PART 4 – MEASUREMENT**

4.01 COLD MIX ASPHALT.

Cold mix asphalt for general use will be measured for payment by the ton complete in place.

**PART 5 – PAYMENT**

5.01 COLD MIX ASPHALT.

Cold mix asphalt for general use will be paid for at the contract unit price per ton, which price will be full payment for preparation of surface to receive material and furnishing, laying, and compaction of the material.

5.02 PAYMENT WILL BE MADE UNDER:

<u>Item No.</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02742-5.01	COLD MIX ASPHALT	Ton

**END OF SECTION 02742**