

ITEM 410 TRAFFIC COMPACTED SURFACE

410.01 Description

410.02 Materials

410.03 Conditioning of the Subgrade

410.04 Spreading and Shaping

410.05 Maintaining

410.06 Method of Measurement

410.07 Basis of Payment

410.01 Description. This work consists of furnishing and placing an aggregate wearing course on the completed and accepted subgrade or temporary road.

410.02 Materials. Furnish materials conforming to 703.18 for the type of material specified (Type A, Type B, or Type C).

410.03 Conditioning of the Subgrade. Eliminate wavy and irregular surfaces and maintain the subgrade in this condition until the application of material under this item. If the subgrade is soft due to rain, frost, or snow, place material only as permitted.

410.04 Spreading and Shaping. Uniformly spread the material using an approved spreader box or by other methods. Spread the amount of material shown on the plans or as directed by the Engineer. After spreading, blade and shape the materials to the specified cross-sections. Haul the material to its place on the road over the previously spread material. Conduct the hauling to obtain uniform compaction over the entire width of the surface material without rolling.

410.05 Maintaining. After shaping the material, blade it as directed by the Engineer. Open the road to traffic immediately after all the material has been spread and shaped.

Correct all holes, ruts, defects, or soft places that occur in the subgrade or surface by adding material and dragging. Maintain the surface, slopes, shoulders, ditches, and drainage structures until the work on this item has been completed and accepted.

410.06 Method of Measurement. The City will measure Traffic Compacted Surface, Type ___ by the number of cubic yards (cubic meters) or tons (metric tons) of accepted material placed, shaped, and maintained as specified.

The City will measure the cubic yards (cubic meters) of aggregate used loose in the vehicle at the point of delivery or calculate it by converting from weight using the following conversion factors:

TABLE 410.06-1

Material	Conversion Factor	
Gravel, bank run or crusher run	2700 lb/yd ³	1600 kg/m ³
Limestone, crusher run	2500 lb/yd ³	1485 kg/m ³
Gravel, Size No. 4 and 57	2500 lb/yd ³	1485 kg/m ³
Limestone, Size No. 4 and 57	2400 lb/yd ³	1425 kg/m ³
Crushed slag ^[1]		
less than 80 lb/ft ³ (1300 kg/m ³)	2000 lb/yd ³	1185 kg/m ³
80 to 90 lb/ft ³ (1300 to 1450 kg/m ³)	2100 lb/yd ³	1250 kg/m ³
90.1 to 100 lb/ft ³ (1451 to 1600 kg/m ³)	2300 lb/yd ³	1365 kg/m ³
100.1 to 125 lb/ft ³ (1601 to 2000 kg/m ³)	2700 lb/yd ³	1600 kg/m ³
more than 125 lb/ft ³ (2000 kg/m ³)	3000 lb/yd ³	1780 kg/m ³
Recycled Portland Cement Concrete	2250 lb/yd ³	1335 kg/m ³
Recycled Asphalt Concrete Pavement	2650 lb/yd ³	1570 kg/m ³

[1] Based on average dry rodded weight determined by the Laboratory. The conversion factors listed are the long gradation weights. These numbers are based on the dry rodded weights of Nos. 67, 57, or 8 gradation. The City will determine slag weights based on weights obtained from the original source.

The City will classify salvaged or mixed materials according to the material that makes up the majority of the mixture.

Ensure that the moistures of the delivered material are less than 2 percent above saturated surface dry condition; if not, the City will base payment on the dry densities and dry weights.

Furnish freight bills, and weight and volume evidence according to 109.

410.07 Basis of Payment. The City will pay for accepted quantities at the contract prices as follows:

Item	Unit	Description
410	Cubic Yard or Ton (Cubic Meter or Metric Ton)	Traffic Compacted Surface, Type A or B
410	Cubic Yard or Ton (Cubic Meter or Metric Ton)	Traffic Compacted Surface, Type C