

## 640 PAVEMENT MARKING

### ITEM 642 - TRAFFIC PAINT

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**642.01 Description.** This work shall consist of furnishing and applying alkyd or waterbase traffic paint in accordance with 641, 740.02 and the additional requirements described herein.

**642.02 Equipment.** Equipment for applying the traffic paint shall be capable of applying the material as recommended by the manufacturer and applying glass beads at the time of line placement. The marking equipment used shall be capable of applying traffic paint at the specified thickness. The Contractor shall provide a calibrated measuring device acceptable to the Engineer to measure the traffic paint in the striper tanks.

**642.03 Application.** Pavement markings shall be applied only when the surface is clean and dry, and when the pavement and air temperature are above 40°F. The Contractor shall transfer the entire contents of each paint container to the striper tank. The paint shall be thoroughly mixed at all times during application.

Paint shall be applied at the following rates:

Gallons per Mile (Liters per Kilometer) of Line	Width of Line (Inches) (Millimeters)			
	4	5	10	20
	(102)	(127)	(254)	(508)
Solid line	16	20	40	80
	(37)	(46)	(92)	(184)
Dashed line	4	5	10	20
	(9)	(11.5)	(23)	(46)
Dotted line	5 1/3	6 2/3	13 1/3	16
	(12.3)	(15.4)	(30.8)	(37)
For Areas	1 gallon per 100 square feet			
Symbols, Words	(0.4 Liters/square meter)			

The first application of paint to new asphalt pavement surfaces shall be increased by 25 percent over the specified rate.

Thinning shall not be permitted. However the applicator is permitted to add spent traffic paint solvents, generated during performance of this work, to virgin traffic paint. The maximum ratio of addition shall be one gallon spent traffic paint solvents to 50

gallons (189 L) of virgin paint. The maximum concentration of spent traffic paint solvents in the striping equipment tanks shall be two percent. Spent solvents shall be added during the loading of the striping equipment.

Paint shall be fast dry unless otherwise specified.

Glass beads shall be applied to the wet paint so that the beads are embedded and retained in the paint and uniformly cover the paint surface. The rate of application shall be not less than 6 pounds (0.7 kilograms) of glass beads per gallon (Liter) of paint applied.

The temperature of fast dry paint at the discharge point shall be in the range of 110-140°F (43-60°C) for alkyd paint and 130-150°F (54-66°C) for waterbased paint.

**642.04 Basis of Payment.** Payment for accepted quantities complete in place will be made at contract prices, or prices adjusted in accordance with 641.11, for:

<b>Item</b>	<b>Unit</b>	<b>Description</b>
642	Mile (Kilometer) or Linear Foot (Meter)	Edge Line, Type __
642	Mile (Kilometer) or Linear Foot (Meter)	Lane Line, Type __
642	Mile (Kilometer) or Linear Foot (Meter)	Center Line, Type __
642	Linear Foot (Meter)	Channelizing Line, Type __
642	Linear Foot (Meter)	Stop Line, Type __
642	Linear Foot (Meter)	Crosswalk Line, Type __
642	Linear Foot (Meter)	Transverse Line, Type __
642	Linear Foot (Meter)	Curb Marking, Type __
642	Square Foot (Square Meter)	Island Marking, Type __
642	Each	Railroad Symbol Marking, Type __
642	Each	School Symbol Marking, -in (mm), Type __
642	Linear Foot (Meter)	Parking Lot Stall Marking, Type __
642	Each	Lane Arrow, Type __
642	Each	Word on Pavement, -in.(mm), Type __
642	Linear Foot (Meter)	Dotted Line __, -in.(mm), Type __
642	Linear Foot, (Meter) Square Foot, (Square Meter) or Each	Removal of Pavement Marketing
642	Lump Sum	Two-Way Radio Equipment