

**SECTION 12.09  
PAINTED PAVEMENT MARKINGS**

**12.09.01--Description:** This item shall consist of furnishing and installing painted pavement markings, hot applied painted pavement markings and painted legend, arrows and markings, of the type and color specified at the locations indicated on the plans and in conformity with the plans, these specifications and as directed by the Engineer.

Painted legend, arrows and markings includes paint installed with a hand striping machine such as: stop bars, crosswalks, parking stalls, lane arrows, legends, markings within gore areas, and painting of paved islands or medians.

Painted pavement markings and hot applied painted pavement markings include paint installed with a truck-mounted painting machine such as center lines, lane lines and shoulder lines.

On two-way highways, the exact location for passing zones will be determined by the Engineer prior to the application of the pavement markings. The Engineer shall be notified a minimum of two weeks before the anticipated date of painting, to allow time for the determination of the passing zone locations.

**12.09.02--Materials:** Materials for this work shall conform to the requirements of Article M.07.20 for waterborne pavement marking paint, Article M.07.21 for hot-applied waterborne pavement marking paint and Article M.07.30 for glass beads.

**12.09.03--Construction Methods:** Pavement areas to be painted shall be dry and sufficiently cleaned of sand and road debris so as to provide an acceptable bond between the paint and the pavement.

Paint shall be applied at a rate of 2.5 m<sup>2</sup> to 2.8 m<sup>2</sup> per liter with glass beads applied at a rate of 0.72 kg per liter of paint for painted pavement markings and painted legend, arrows, and markings, and 0.96 kg per liter of paint for hot-applied painted pavement markings.

Hot-applied paint shall be applied at a temperature of 54°C to 63°C at the spray gun.

All painting shall be performed in a neat and workmanlike manner. The lines shall be sharp and clear with no feathered edging or fogging and precautions shall be taken to prevent tracking by tires of the striping equipment. Paint shall be applied parallel to the roadway centerline or as shown on the plans with no unsightly deviations.

After application, the paint shall be protected from crossing vehicles for a time at least equivalent to the drying time of the paint.

**12.09.04--Method of Measurement:** Painted pavement markings and hot-applied pavement markings will be measured for payment by the number of meters of paint applied by a truck-mounted painting machine on the pavement and accepted. Painted legend, arrows and markings will be measured for payment by the number of square meters of paint installed with a hand striping machine on the pavement and accepted.

**12.09.05--Basis of Payment:** This work will be paid for at the Contract unit price per square meter for "Painted Legend, Arrows and Markings" and per meter of paint for "Painted Pavement Markings" and "Hot-Applied Painted Pavement Markings," of the width and color specified, installed on the pavement and accepted. This price shall include all pre-marking layout, cleaning off pavement, paint, glass beads, application of paint and glass beads, protection during drying and all materials, equipment, tools and labor incidental thereto.

Pay Item	Pay Unit
Painted Legend, Arrows and Markings	m <sup>2</sup>
Painted Pavement Markings (Width) (Color)	m
Hot-Applied Painted Pavement Markings (Width) (Color)	m