

SECTION 205 DUST CONTROL

205.1 DESCRIPTION

This work shall consist of the application of a magnesium chloride solution, a calcium chloride solution or dust control oil to a prepared surface for dust control.

205.2 MATERIALS

Dust control materials shall conform to Section 891.

205.3 CONSTRUCTION REQUIREMENTS

A. Chlorides: Dust control chlorides shall be uniformly applied under pressure in liquid form by mechanical equipment. The equipment must be such that the application rate can be set, determined and changed as required.

The rate of application shall be 1.2 pounds per square yard (0.65 kilograms per square meter) of surfacing. This weight shall be the anhydrous weight of calcium chloride or magnesium chloride in the solution as determined from the certificate of compliance. The material may be applied in one or two applications.

The dust control material shall be blended into the top one to two inches (25 to 50 mm) of the gravel surfacing. The addition of water may be necessary to adequately compact the material. Rolling will be required as determined by the Engineer.

Additional applications or spot applications may be necessary to maintain dust control.

205.4 METHOD OF MEASUREMENT

A. Dust Control Chlorides: Calcium Chloride and/or Magnesium Chloride will be measured by the anhydrous weight in pounds (kilograms). The weight of anhydrous material will be based on the actual concentration to the nearest 0.1 percent as determined by the Central Testing Laboratory and the actual weight of the solution applied.

B. Water: Water will be measured as specified in Section 120.4.

205.5 BASIS OF PAYMENT

A. Dust Control Chlorides: Dust Control Chlorides will be paid for at the contract unit price per pound (kilogram). Payment shall be full compensation for all equipment, labor, tools, materials and incidentals necessary to complete the work.

B. Water: Water will be paid for as specified in Section 120.5.