

Section 543

1 542-16 MEASUREMENT AND PAYMENT

2 *Soil Cement Base* will be measured and paid at the contract unit price per square yard that has
3 been completed and accepted. In measuring this quantity, the width of the base will be
4 measured across the top surface of the base. The length will be the actual length constructed,
5 measured along the centerline of the surface of the base. Measurement will not be made
6 of any base added or replaced for corrective measures during construction or for repairing
7 damaged areas.

8 *Aggregate for Soil Cement Base* will be measured and paid in tons at the contract unit price
9 per ton. The aggregate will be measured by weighing in trucks or certified platform scales or
10 other certified weighing devices. No deductions will be made for any moisture contained in
11 the aggregate at the time of weighing.

12 *Portland Cement for Soil Cement Base* will be paid at the contract unit price per ton that has
13 been incorporated into the mix. When bulk cement is used, the quantity will be measured by
14 weighing in trucks on certified platform scales or other certified weighing devices.
15 Measurement will not be made of any cement added or replaced for corrective measures
16 during construction or for repairing damaged areas.

17 Asphalt curing seal will be paid as provided in Article 543-5.

18 *Blotting Sand* will be paid as provided in Article 818-4.

19 If a layer of soil-cement base is deficient in thickness but has been permitted to be left in
20 place in accordance with Article 542-11, payment for that soil-cement base will be made at
21 50% of the contract unit prices for *Soil Cement Base*.

22 Sand seal applied due to the failure of the Contractor to cover the soil-cement base as required
23 will be incidental to the work of this section. If the Contractor fails to provide sand seal as
24 required and the Engineer has the work performed by other forces, the cost of such work will
25 be deducted from monies due or to become due to the Contractor.

26 Payment will be made under:

Pay Item	Pay Unit
Soil Cement Base	Square Yard
Portland Cement for Soil Cement Base	Ton
Aggregate for Soil Cement Base	Ton

27 **SECTION 543**
28 **ASPHALT CURING SEAL**

29 **543-1 DESCRIPTION**

30 Perform the work covered by this section including, but not limited to, keeping the stabilized
31 layer moist; furnishing and applying the asphalt curing seal; correcting, maintaining and
32 repairing the asphalt curing seal; and blotting sand where directed, to either a chemically
33 stabilized soil layer or to a cement-stabilized base course.

34 **543-2 MATERIALS**

35 Refer to Division 10.

Item	Section
Asphalt, Grade CRS-1	1020-6
Asphalt, Grade CRS-1H	1020-6
Asphalt, Grade CRS-2	1020-6
Asphalt, Grade RS-1	1020-5
Asphalt, Grade RS-1H	1020-5

1 **543-3 EQUIPMENT**

2 Use equipment to apply the asphalt material in accordance with Article 600-5.

3 Use equipment to apply water, curing seal and blotting sand that is of such type and weight
4 that it will not damage the completed stabilized layer.

5 **543-4 CONSTRUCTION METHODS**

6 Continuously moisten the finished stabilized layer or base course until the asphalt curing seal
7 is placed. Place the curing seal as soon as possible, but no later than 24 hours after
8 completing finishing operations except where delayed by wet weather. If wet weather delays
9 application of the curing seal, apply the curing seal as soon as the surface becomes
10 sufficiently dry.

11 At the time the asphalt curing seal is applied, prepare the surface of the stabilized layer or
12 base so that it is free of all loose or extraneous material and contains sufficient moisture to
13 prevent excessive penetration of the asphalt material. If deemed necessary, sweep the base
14 surface clean of loose material before applying the curing seal. Apply the curing seal in
15 accordance with Section 600.

16 Apply the asphalt material to the surface of the completed stabilized layer or base at the rate
17 of 0.10 to 0.20 gal/sy with approved equipment. Apply the asphalt material at the exact rate
18 and temperature of application as established by the Engineer.

19 Cure the asphalt material for 7 days. Curing time will be counted in at least 1/2 day units and
20 only when the air temperature in the shade is at least 50°F. Complete the curing before
21 placement of subsequent layers of pavement.

22 Maintain the curing material during the curing period so that all of the stabilized layer or base
23 will be covered effectively during the period. Provide sufficient protection from freezing to
24 the stabilized layer or base during the entire curing period and until it has hardened. Replace
25 excessive loss of curing seal caused by heavy rains within 8 hours of placement.

26 If the Engineer determines that it is necessary to allow local traffic to use parts of the
27 stabilized layer or base before the asphalt material has cured sufficiently, protect those areas
28 by applying blotting sand in accordance with Section 818.

29 **543-5 MEASUREMENT AND PAYMENT**

30 *Asphalt Curing Seal* will be measured and paid at the contract unit price per gallon that has
31 been placed on the stabilized layer or base. Seal material placed on the stabilized layer or
32 base in excess of the authorized rate plus 0.02 gal/sy will not be measured for payment.
33 Measurement will not be made of any curing seal used to replace curing seal lost by heavy
34 rains which occur after placing the curing seal.

35 *Blotting Sand* will be paid as provided for in Article 818-4.

36 Payment will be made under:

Pay Item	Pay Unit
Asphalt Curing Seal	Gallon