

1 Make this section a part of the Standard Specifications:

2  
3 **"SECTION 408 – CRACK SEAL**

4  
5 **408.01 Description.** This section describes furnishing and applying crack  
6 seal on existing asphalt pavement.

7  
8 **408.02 Materials.**

9  
10 Crack Seal ASTM D 6690-12

11  
12 Crack seal shall be hot applied and meet the requirements of  
13 ASTM D6690-12. Submit crack seal product information and test data for  
14 approval.

15  
16 **408.03 Construction.**

17  
18 **(A) Weather Limitations.** Do not apply crack seal if any moisture is on  
19 the pavement or in the cracks.

20  
21 **(B) Surface Preparation.** Remove all vegetation, loose material and  
22 debris from the cracks. Clean cracks with compressed air. Hot air blast  
23 cracks immediately prior to application of crack seal.

24  
25 **(C) Routing.** For cracks and joints less than 1/2-inch wide, rout to a  
26 uniform width of 1/2-inch and depth of 3/4-inch to 1 inch prior to crack  
27 sealing.

28  
29 **(D) Melters.** Use an indirectly heated double boiler melter which shall  
30 be capable of heating and applying all grades of asphalt rubber sealant,  
31 fiber modified sealant and specification joint sealant without any further  
32 equipment modification. The melter heating system shall be  
33 thermostatically controlled and calibrated. The machine shall be capable  
34 of starting at ambient temperature and bringing sealant material up to  
35 application temperature in one hour at 70 degrees Fahrenheit ambient  
36 temperature. The melter shall have continuous sealant agitation and a  
37 mixing system to provide uniform viscosity and temperature of material  
38 being applied. All equipment shall be in good working order and  
39 functioning properly.

40  
41 **(E) Application.** Seal cracks and joints 1/2-inch to 3/4-inch with  
42 approved hot-applied crack seal. For cracks and joints less than 1/2-inch  
43 wide, rout to a uniform width of 1/2-inch and depth of 3/4-inch to 1 inch  
44 and fill with an approved hot-applied crack seal. The router shall also have  
45 a dust control system designed to reduce the particle pollution inherent in

46 asphalt pavement crack routing that protects people from excessive dust,  
47 and surrounding areas and vehicles from flying debris.

48  
49 (F) **Protecting the Work.** Crack seal shall be allowed to cool  
50 sufficiently before opening to traffic. If the pavement temperature is  
51 expected to exceed 85°F within 24 hours after placement, apply a  
52 manufactured detackifying agent to the sealant before opening to traffic.

53  
54 (G) **Cure Time.** Crack seal shall be allowed to cure for a minimum of  
55 30 days before any surface treatment is applied over it.

56  
57 **408.04 Measurement.** Crack sealing of existing pavement will be  
58 measured per linear foot in accordance with the contract documents.

59  
60 **408.04 Payment.** The Engineer will pay for the accepted crack sealing at  
61 the contract unit price, as shown in the proposal schedule.

62  
63 Payment will be full compensation for the work prescribed in this  
64 section and the contract documents.

65  
66 The Engineer will pay for the following pay item when included in  
67 the proposal schedule:

| 68 Pay Item                       | 69 Pay Unit     |
|-----------------------------------|-----------------|
| 70 Crack Sealing - Less than 1/2" | 71 Linear Foot  |
| 72 Crack Sealing - 1/2" to 3/4"   | 73 Linear Foot" |

74  
75  
76  
77 **END OF SECTION 408**