

1 Make this section a part of the Standard Specifications:

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3 **“SECTION 408 – CRACK SEAL**

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

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8 **408.02 Materials.**

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10 Crack Seal ASTM D 6690-15

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12 Crack seal shall be hot applied and meet the requirements of
13 ASTM D6690-15. Submit crack seal product information and test data for
14 approval.

15
16 **408.03 Construction.**

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

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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, as directed by the Engineer.

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 at the sole discretion of the Engineer, fill with an approved hot-applied
45 crack seal. The router shall also have a dust control system designed to
46 reduce the particle pollution inherent in asphalt pavement crack routing

that protects people from excessive dust, and surrounding areas and vehicles from flying debris.

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

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

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

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

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

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

Pay Item	Pay Unit
Crack Sealing - Less than 1/2"	Linear Foot
Crack Sealing – 1/2" to 3/4"	Linear Foot"

END OF SECTION 408