Make this section a part of the Standard Specifications:

"SECTION 408 – CRACK SEAL

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

408.02 Materials.

Crack Seal ASTM D 6690-15

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

408.03 Construction.

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

(B) Surface Preparation. Immediately before applying crack seal, clean existing pavement in accordance with Section 310 – Brooming Off.

Eradicate and remove all existing thermoplastic pavement markers within the work area crack seal is being applied.

Remove all vegetation, loose material and debris from the cracks. Clean cracks with compressed air. Hot air blast cracks immediately prior to application of crack seal.

(C) Routing. For cracks and joints less than 1/2-inch wide, route to a uniform width of 1/2-inch and depth of 3/4-inch to 1 inch prior to crack sealing, as directed by the Engineer.

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

(E) Application. Seal cracks and joints 1/2-inch to 3/4-inch with approved hot-applied crack seal. For cracks and joints less than 1/2-inch

wide, rout to a uniform width of 1/2-inch and depth of 3/4-inch to 1 inch and at the sole discretion of the Engineer, fill with an approve hot-applied crack seal. The router shall also have a dust control system designed to 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 85ºF 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.

408.05 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 406