

408-R-564 SEALING CRACKS AND JOINTS

(Adopted 05-21-09)

The Standard Specifications are revised as follows:

SECTION 408, BEGIN LINE 9, INSERT AS FOLLOWS:

408.02 Materials

Materials shall be in accordance with the following:

Asphalt Emulsion for Crack Sealing, AE-90, AE-90S, AE-150.....	902.01(b)
Asphalt Binder for Crack Sealing, PG 64-22.....	902.01(a)
Fine Aggregates, No. 23 or 24	904
Joint Sealing Materials.....	906.02

SECTION 408, BEGIN LINE 30, DELETE AND INSERT AS FOLLOWS:

408.05 Routing and Filling Cracks and Joints

Cracks and joints shall be routed when specified, with a ~~vertical spindle router with carbide-tipped or diamond router bits~~ routing machine capable of cutting a uniform shape to form a reservoir not exceeding ~~0.5~~ 0.75 in. (~~13~~ 19 mm) wide with a minimum depth of 0.75 in. (19 mm). The operation shall be coordinated such that routed materials do not encroach on pavement lanes carrying traffic and all routed materials are disposed of in accordance with 104.07. Cracks and joints shall be filled with asphalt rubber to within 0.25 in. (7 mm) of the surface in accordance with the manufacturer's recommendations.

SECTION 507, BEGIN LINE 9, DELETE AND INSERT AS FOLLOWS:

507.02 Materials

Materials shall be in accordance with the following:

Asphalt Emulsion AE-90, AE-90S, AE-150.....	902.01(b)
Asphalt Binder for Crack Sealing, PG 64-22.....	902.01(a)
Dowel Bars.....	910.01(b)10
Fine Aggregates, Size No. 23 or 24	904
Joint Sealing Materials.....	906.02
Rapid Set Patching Materials.....	901.07

SECTION 507, BEGIN LINE 25, DELETE AND INSERT AS FOLLOWS:

(a) Routing, Cleaning and Sealing

Cracks in PCCP shall be routed and cleaned when specified. Cracks shall be routed with a ~~vertical spindle router with carbide-tipped or diamond router bits~~ routing machine capable of cutting a uniform shape to form a reservoir not exceeding ~~0.5~~ 0.75 in. (~~13~~ 19 mm) wide with a minimum depth of 0.75 in. (19 mm). The operation shall be coordinated such that routed materials do not encroach on pavement lanes carrying traffic and all routed materials are disposed of in accordance with 104.07. The cracks shall be cleaned with compressed air or by other suitable means. Air compressors shall be capable of producing a minimum air pressure of 100 psi (690 kPa). Water blasting shall not be utilized.

SECTION 507, BEGIN LINE 46, DELETE AND INSERT AS FOLLOWS:

(b) Cleaning and Filling

The cracks shall be cleaned by blowing with compressed air or by other suitable means when specified. Air compressors shall be capable of producing a minimum air pressure of 100 psi (690 kPa). Water blasting shall not be utilized.

Cracks shall be filled with asphalt ~~emulsion~~ *material*. The cracks shall be completely filled or overbanded not to exceed 5 in. (125 mm), or as required. Asphalt ~~emulsion~~ *material* shall be placed utilizing a “V” shaped wand tip, to allow the penetration of the materials into the cracks. The filled cracks shall be covered with sufficient fine aggregate to prevent tracking of the asphalt ~~emulsion~~ *material*. All excess cover material shall be removed from the pavement.

Application of asphalt ~~emulsion~~ *material* shall be completed without covering existing pavement markings. When traffic is to be maintained within the limits of the section, temporary traffic control measures in accordance with 801 shall be used. Treated areas shall not be opened to traffic until the asphalt emulsion has set.
