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Crack and joint sealing procedures

Crack and joint sealing may be the most cost effective surface treatment an agency can employ. Properly sealed cracks and joints prevent water infiltration into the subgrade which results in a stable roadbed. We are pleased to offer the following suggestions as you tackle your crack sealing project:

Seal cracks/joints in the Fall and Spring when joints are more open.

Make sure the cracks/joints are dry and free of debris prior to the filling operation. The use of a heat lance will ensure that cracks/joints are properly prepared prior to the application of sealant.

Choose a “hot applied polymer modified asphalt rubber cement” for sealing material. The elastomeric properties of the material will ensure up to seven years of service life.

Don't overheat the material. Overheating the material will burn the polymers from the system thus removing the elastomeric properties.

Apply the sealant immediately after the heat lancing operation. Condensation can re-occur if you wait too long between these two operations.

Properly applied sealant should not track after 10-20 minutes. Blotter material is not usually required. We recommend that sand blotter not be used on concrete streets.

Crews will be working with a hot applied product. Everyone on the crew should be fully aware of the safe operating procedures of the equipment.

A Missouri Petroleum Representative is only a phone call away. Questions may be answered by calling 314-219-7305.