

HR-158 Prevention of Reflective Cracking in Asphalt Overlays

Key Words: Asphalt, Overlays, Fabric, Reflective cracking

ABSTRACT

This report presents construction methods and results using three reinforcing fabrics to retard reflection cracking in an asphalt overlay.

The original highway in the rural area was Portland Cement Concrete 20 feet wide. It was widened by adding 2 feet of asphaltic concrete 10 inches deep on each side prior to resurfacing. Data are presented for the widening joint and transverse cracks in the rural area and for the random cracking in the urban area.