

53.8 ASPHALT PAVEMENT TRANSVERSE CRACK REPAIR - MILL AND FILL

53.8.1 GENERAL

The Work consists of repairing transverse cracks by milling a trapezoidal-shaped notch centred over and for the length of the crack, filling the notch with asphalt concrete pavement Mix Type 8 material and compacting the mix.

53.8.2 MATERIALS

The Contractor shall either “pickup” crack repair material from a source/asphalt plant to which the Department has access or supply the material, as directed by the Engineer.

Asphalt concrete crack repair material supplied by the Contractor shall be a mix Type 8 produced in accordance with Specification 53.11, Production of Asphalt Concrete Pavement.

The Contractor shall supply the tack coat material in accordance with Specification 55.5, Supply of Asphalt. The type and grade of liquid asphalt for tack coat will be the choice of the Contractor, unless otherwise specified by the Engineer.

53.8.3 EQUIPMENT

The Contractor shall supply:

- ! A dry process cold milling machine capable of milling a trapezoidal shaped notch as shown on Drawing MS-002. Milling machines using water to cool the milling head shall not be permitted.
- ! Sweeping and blowing equipment capable of removing all loosened material from the milled notch and off the roadway surface.
- ! Hand spraying equipment for applying the tack coat.
- ! All other equipment necessary to complete the Work.

53.8.4 PROCEDURE

No Work shall be performed when the pavement surface is wet or when the atmospheric temperature at the worksite is below 5E Celsius.

The Engineer will determine which transverse cracks are to be repaired.

Repair of the transverse cracks shall consist of the following:

- ! The Contractor shall mill a trapezoidal-shaped notch centred over and for the length of the transverse crack as shown on diagram MS-002.
- ! All loosened material shall be removed from the notch and the milled surfaces shall be left clean and dry. The milled material shall be swept to the shoulder of the road and disposed of on the

sideslope. A tack coat shall be applied to all exposed pavement edges by means of hand spraying.

- ! The Contractor shall place and compact Mix Type 8 material to the top of the milled notch.

53.8.5 TIME TO COMPLETE

The Contractor shall complete the Work within 60 calendar days of the issuance of the Work Order.

53.8.6 ACCEPTANCE CRITERIA

Evaluation of the Work will be based on a visual inspection by the Engineer. To be acceptable, the Work must conform with the following:

- ! all milled cracks conform with the milling profile as shown on Drawing MS-002,
- ! the milling conforms to the path of the crack with no part of the crack outside or touching the edge of the milled cross-section,
- ! all milled cracks have been filled with ACP Mix Type 8 material,
- ! the completed work provides a smooth transition between the infilled material and the adjacent undisturbed pavement surface, and
- ! all detritus has been properly disposed of and the work area left in a neat and tidy condition.

Treated cracks failing to meet these criteria will be repaired at the Contractor's expense.

53.8.7 MEASUREMENT AND PAYMENT

Payment for this work will be made as Extra Work in accordance with Specification 51.2, General (For Maintenance Work) and as shown in the Work Order.

53.8.8 WARRANTY

The warranty period for this work shall be 1 year.

