

53.7 SELECTIVE SURFACE SEALING - SPRAY PATCH

53.7.1 GENERAL

The Work consists of sealing selected areas of asphalt pavement by the separate application of asphalt binder and select aggregate or the application of an asphalt mixture and compacting the sealed area.

53.7.2 MATERIALS

The Contractor shall supply aggregate required for the Work.

The Contractor shall produce crushed aggregate conforming to Designation 3, Class 12.5C in accordance with Specification 55.3, Aggregate Production and Stockpiling.

The Contractor shall supply HF-150S or HF-250S asphalt binder in accordance with Specification 55.5, Supply of Asphalt. The use of other asphalt binder material, shall be subject to the approval of the Engineer.

53.7.3 EQUIPMENT

The Contractor shall supply all equipment necessary to the complete of the Work.

53.7.4 PROCEDURE

All Work shall be performed during daylight hours only, unless adequate lighting exists which provides visibility of at least 700 metres and prior approval of the Engineer is obtained. No Work shall be performed when the visibility is less than 700 metres or when the pavement surfaces to be sealed are wet.

No Work shall be performed when the atmospheric temperature at the worksite is below 5°C.

Traffic control and signing shall be provided in accordance with Specification 55.1, Traffic Accommodation and Temporary Signing.

The areas to be sealed will be identified by the Engineer.

The Contractor shall ensure that the surface to be treated is cleaned of all objectionable material.

The Contractor shall spray asphalt binder uniformly over the surface to be repaired. The Contractor shall determine the application rate of the asphalt binder. The application rate should take into consideration the texture and absorbency of the surface, crushed aggregate characteristics, traffic density and other pertinent factors.

The aggregate shall be spread over the sprayed surface in sufficient quantities to ensure all surface voids are filled after compaction.

The treated surface shall be compacted to create a smooth transition between the sealed area and the adjacent, undisturbed pavement surface.

The Contractor has the option of using equipment which combines the graded aggregate and asphalt binder in one process prior to the mixture being sprayed onto the prepared surface area and compacted.

Excess aggregate material shall be removed from the roadway and disposed of, both in a manner acceptable to the Engineer.

53.7.5 TIME TO COMPLETE

The Contractor shall complete the Work within 90 calendar days of the issuance of the Work Order.

53.7.6 MEASUREMENT AND PAYMENT

Measurement will be in square metres of the completed surface repaired.

Payment will be made at the unit price bid per square metre for "Selective Surface Sealing (Spray Patch) - Supply and Place". This payment will be full compensation for sweeping and cleaning of the surface, supplying and applying the asphalt binder, supplying the aggregate, producing, hauling, placing and compacting the crushed aggregate, traffic accommodation and signing, and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

The cost of supplying aggregate is included in the unit price bid for "Selective Surface Sealing (Spray Patch) - Supply and Place" and will not be paid for separately.

53.7.7 WARRANTY

The warranty period for this Work shall be 1 year.