

53.15 TEMPORARY PATCHING

53.15.1 GENERAL

The Work consists of spreading asphalt patching material by hand or grader and compacting it on a prepared surface and to the finished lines and dimensions as directed by the Engineer. Painting of interim traffic markings (spotting) and the referencing of the ends of no passing zones (barrier lines) are included in the Work where temporary patching obliterates existing pavement markings.

53.15.2 MATERIALS

The Contractor shall pick up asphalt stabilized base course material from a stockpile designated by the Engineer or produce asphalt stabilized base course material in accordance with Specification 53.12, Production of Asphalt Stabilized Base Course or supply commercially produced patching material satisfactory to the Engineer.

When required, the Contractor shall pick up asphalt concrete pavement material from a plant designated by the Engineer or produce asphalt concrete pavement material in accordance with Specification 53.11, Production of Asphalt Concrete Pavement Material.

When required, the Contractor shall supply aggregate in accordance with Specification 55.4, Supply of Aggregate and produce crushed aggregate in accordance with Specification 55.3, Aggregate Production and Stockpiling for the designation and class of material specified.

Paint and glass beads shall be supplied by the Contractor in accordance with the Special Provisions.

53.15.3 EQUIPMENT

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

53.15.4 PROCEDURE

53.15.4.1 General

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.

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

The area to be patched shall be swept clear of dirt, sand or other objectionable material.

The patching material shall be placed and compacted within the specified area to provide a smooth transition with the surrounding pavement surface.

53.15.4.2 Interim Traffic Markings (Spotting)

Where temporary patches obliterate existing roadway lines, the Contractor shall provide interim painted traffic markings (spotting) on the patched area. Spotting shall be applied immediately following completion of the patch. The end points of the barrier lines shall be marked or otherwise referenced where applicable.

All spotting shall be applied using the same colour of paint as the permanent marking. Spots are to be 10 centimetres wide and 30 centimetres long, applied lengthwise to the road surface and shall delineate the travel lanes and or edge lines as applicable. The maximum distance between spots shall be 15 m on tangent sections and 10 m on curves.

The spots and barrier line reference marks shall be completely covered with glass beads at the time of painting.

53.15.5 TIME TO COMPLETE

The Contractor shall complete the Work within 2 calendar days of the issuance of the Work Order.

53.15.6 MEASUREMENT AND PAYMENT

53.15.6.1 General

Measurement will be made in tonnes of patching material placed.

Payment for the supply of aggregate (excluding quick fix material) will be made in accordance with Specification 55.4, Supply of Aggregate.

Payment for hauling will be made in accordance with Specification 55.2, Hauling.

Supplying and applying paint and glass beads will not be paid for separately but shall be considered incidental to the Work.

53.15.6.2 Contractor Supply of Patching Mix

53.15.6.2.1 Asphalt Stabilized Base Course

Payment will be made at the applicable unit price bid per tonne for "Temporary Hand Patching (ASBC) -Produce and Place or "Temporary Grader Patching (ASBC) - Produce and Place". This payment will be full compensation for preparing the surface, supplying the asphalt binder, producing the crushed aggregate, producing, placing and compacting the mix, traffic accommodation and signing, and all labour, equipment, tools and incidental necessary to complete the Work.

53.15.6.2.2 Commercially Produced Patching Material

Payment will be made at the unit price bid per kilogram for "Temporary Hand Patching (Quick Fix) - Supply and Place" or at the unit price bid per tonne for "Temporary Grader Patching (Quick Fix) - Supply and Place". This payment will be full compensation for preparing the surface, supplying, placing and compacting the mix, traffic accommodation and signing, and all labour, material, equipment, tools and incidental necessary to complete the Work.

53.15.6.2.3 Asphalt Concrete Pavement

Payment will be made at the applicable unit price bid per tonne for "Temporary Hand Patching (ACP) - Produce and Place" or "Temporary Grader Patching (ACP) - Produce and Place". This payment will be full compensation for preparing the surface, supplying the asphalt binder, producing the crushed aggregate, producing, placing and compacting the mix, traffic accommodation and signing, and all labour, equipment, tools and incidental necessary to complete the Work.

53.15.6.3 Department Supply of Asphalt Mix

Payment will be made at the applicable unit price bid per tonne for "Temporary Hand Patching (ASBC) - Pick up and Place", "Temporary Hand Patching (ACP) - Pick up and Place", "Temporary Grader Patching (ASBC) - Pick up and Place" or "Temporary Grader Patching (ACP) - Pick up and Place". This payment will be full compensation for preparing the surface, picking up, placing and compacting the mix, traffic accommodation and signing, and all labour, equipment, tools and incidentals necessary to complete the Work.

53.15.7 WARRANTY

The warranty period for this Work shall be 7 days.