

15 Service Covers

15.1 Scope

This Section sets out the requirements for adjusting of **service covers** necessary before **asphaltic concrete** paving, after a **pavement** reseal, settlement of the **pavement** adjacent to **service covers**, or settlement of the covers themselves.

15.2 Definitions

Terms defined in Table 3.2, Definitions appear in **bold**.

15.3 Response Times

The Contractor must adjust all **service covers**, including all surfacing and reinstating **pavement** marking and raised **pavement** markers, by the date shown on the agreed **programme**. In addition:

Table 15.1 states the response time for reinstatement of all **pavement** markings, raised **pavement** markers, and removal of loose chip.

Table 15.1: Reinstatement of Roadmarkings, Raised Pavement Markers, and Removal of Loose Chip			
Class	Response Time		
	Pavement Markings*	Raised Pavement Markers	Removal of Loose Chip*
All Highways	Within 48 hours of completing service cover repairs	Within 72 hours of completing service cover repairs	Within 48 hours

* Note: All **pavement** markings must be reinstated and loose chip must be completely removed from site prior to the removal of temporary traffic control.

15.4 Specific Requirements

15.4.1. Cutting Pavement Surface

The perimeter of the opening shall be cleanly cut so as to maintain the integrity of the adjacent **pavement** surface. The cut shall be vertical. Straight lines shall not deviate more than 50 mm from a 1 m straight edge aligned between two points.

15.4.2. Installation of Service Covers for Strength and Level

Service covers shall be designed and supported within the **pavement** structure to withstand the applied loadings without undue settlement or rocking. **Service covers** shall be adjusted to level using risers, adjusting rings, epoxy mortar, concrete, or additional **service covers**.

All hardware shall be firmly held in place by adequate backfilling and compaction. A sufficient width of **pavement** around the **riser or cover** shall be excavated to ensure this. Acceptable widths are:

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- 200 mm for backfill depth less than or equal to 300 mm
- 500 mm for backfill depth greater than 300 mm

An acceptable method for backfilling is compliance with Section 12.

Adjusting rings shall be located and fixed in place with a haunched mortar pad.

15.4.3. Surfacing

The reinstated **pavement** surface around the **service cover** shall:

- a) be waterproof including the interface with the **service cover**.
- b) have a smooth surface profile.
- c) match the cross-fall of the existing **pavement**.

15.5 Performance Requirements

The performance of the Contractor during the Contract period will be measured by the following criteria:

- a) that all work is carried out in accordance with this Specification by the date shown on the agreed **programme**, and within the response times stated.
- b) inspections are completed on time and inspection records are available when requested by the engineer.
- c) no **flushing** or **bleeding** of repaired surface
- d) that the repair work continues to meet the requirements of this specification for the length of the **defects liability period**.
- e) the top of the **service cover** shall not exceed + 10 mm or be less than - 0 mm with respect to the surrounding **pavement** surface.
- f) the surrounding material shall be uniformly tapered from the top of the **service cover** to the existing road surface.
- g) that the finished **service cover** and surrounding surface, including asphaltic joints, are **flush** with existing **pavement** surfaces, so as not to create adverse noise and vibration effects..