

# **Area 3 ASC**

## **Renewal of Structures Scheme RS1B**

### **Scheme Brief**

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**AMENDMENT RECORD**

<b>Amend . No.</b>	<b>Issue Date</b>	<b>Amendments</b>	<b>Initials</b>	<b>Date</b>
0	August 2012	First Issue	SOS	21/8/12

## **1 Scheme Type**

This scheme is a value band B (£30 to £250k) structures scheme.

## **2 Scheme Description**

The purpose of this scheme is to carry out Thaumasite Investigations on a structure over a dual three lane motorway. The investigation will aim to determine the extent of deterioration on the structures foundation. Works will then be necessary to reinstate the structure after investigation has been carried out.

The works will include but not limited to:

- Provision of temporary accommodation or all necessary facilities to meeting health and safety requirements;
- Removal and replacement of existing safety barrier to permit access to works, including removal and reinstatement of posts, connections and associated works;
- Excavation and disposal of acceptable and unacceptable material, including hard material as required, of a total volume not exceeding 9m<sup>3</sup> to expose existing concrete structure, including reinstatement following the investigatory works;
- Removal and reinstatement of sheet membrane waterproofing at the test locations;
- Undertaking cover survey, Chloride and Sulphate content tests and necessary analysis to determine extent of deterioration, including all necessary coring and concrete reinstatement works;
- Provision and installation of new filter drain in trench not exceeding 12m in length, including necessary excavation, reinstatement and necessary connections;
- Provision and installation four 100 mm internal diameter upvc service ducts not exceeding 12m in length, including excavation, reinstatement and necessary connections to existing ducts;
- Reinstatement of concrete paving flags including Type 1 subbase to an area not exceed 25m<sup>2</sup>;
- Reinstatement of a length of precast concrete kerb, not exceeding 12m in length, including concrete bedding and backing.

## **3 Road category on which the work is to be carried out**

The works will take place on a dual three lane motorway.

## **4 Traffic Management**

The traffic management layout to be utilised is closure of the hard shoulder and lane 1 of a 3-lane motorway.

**5 Period within which the work is to be carried out**

The works are to be carried out within Time Band 9.

**6 Site Restrictions and Constraints**

There are no identified site constraints or restrictions at the works location.

**7 Indicative Programme and Season within which the work is to be carried out**

The works are to be completed within 2 weeks.

The majority of the works are to be constructed during British Summer Time.