

# **Area 9 ASC**

## **Renewal of Structures Scheme RS10D**

### **Scheme Brief**

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**AMENDMENT RECORD**

| <b>Amend<br/>. No.</b> | <b>Issue<br/>Date</b> | <b>Amendments</b> | <b>Initials</b> | <b>Date</b> |
|------------------------|-----------------------|-------------------|-----------------|-------------|
| 0                      | June<br>2013          | First issue       | SOS             | 27/6/13     |
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## 1 Scheme Type

This scheme is a value band D (£1m to £5m) Scheme.

## 2 Scheme Description

The works are to resurface two existing bridges each approximately 120m in length including approach and departure carriageway and replacement of transverse and longitudinal joints on both bridges.

The works will include but is not limited to:

- Provision of temporary accommodation or all necessary facilities to meeting health and safety requirements;
- Provision of 2 light and 2 heavy vehicle recovery vehicles, including 2 impact protection vehicles for the duration of the works;
- Provision of CCTV for the full extent of the site for the duration of the works;
- Provision of Temporary Automatic Speed Camera System for the Enforcement of Mandatory Speed Limits to the full extent of the site for the duration of the works;
- General site clearance;
- Removal and reinstatement of no more than 6 emergency telephones including associated hard shoulder loops and all necessary connections;
- Replace approximately 6no lighting columns;
- Removal of existing central reserve safety barrier, and reinstallation of no more than 2000m of new single sided safety barrier, including all posts and connections of existing safety barrier;
- Renewal of pedestrian parapet of approx 200m length;
- Renewal of existing filter drain material of volume no greater than 100m<sup>3</sup>;
- CCTV survey of existing bridge drainage system, including renewal of no more than 4 manhole covers to new carriageway levels;
- Excavation of no more than 30 trial pits including reinstatement;
- Excavation and reinstatement of no more than 60m<sup>3</sup> of type 1 material including installation of no more than 160m of ducting to protect existing services;
- Plane off and resurface no more than 15000m<sup>2</sup> of carriageway and hard shoulder with 120mm bituminous inlay, and a further 2000m<sup>2</sup> with Thin Surface Course System;
- Reinstatement of road markings to the resurfaced area, and approach and departures carriageways, of total length no more than 3km;

- Reinstatement of road studs as necessary to match the extent of road marking works;
- Removal of existing longitudinal bridge joints to both bridges including reinstatement with concrete infill;
- Excavation and reinstatement of 100mm thick topsoiling to a total area no more than 820m<sup>2</sup> including grass seeding.

### **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 phased hard shoulder and lane 1, and lane 2 and 3 closures.

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

The works are to be carried out within Time Band 4.

### **6 Site Restrictions and Constraints**

The following restrictions and constraints exist at the works location:

- The bridge joints that are to be repaired are over a Network Rail line and a river therefore debris netting and dust protection is to be provided for the duration of the works.

### **7 Indicative Programme**

The works are to be completed within 12 weeks.