

# **Area 3 ASC**

## **Renewal of Structures Scheme RS4B**

### **Scheme Brief**

August 2012  
Tender Issue 4, Revision 0

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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 (£30k to £250k) Structures Scheme.

## **2 Scheme Description**

The purpose of this project is refurbishment of an existing rail bridge. The scheme consists of replacement of the existing bridge parapet, upgrade of the existing vehicle restraint system on both sides of the bridge, and concrete repairs to the top of the abutment walls.

The works will include but are not limited to:

- Provision of temporary accommodation or all necessary facilities to meeting health and safety requirements;
- Provision and installation of information boards;
- Removal and replacement of no more than 20m of boundary fence;
- Removal of no more than 80m of existing safety barrier, including all posts and foundations;
- Removal of existing parapet of total length no more than 65m including all posts, anchorages and foundations;
- Works to raise the existing stringcourse, including hydro demolition to remove existing parapet post foundations and expose existing reinforcement, and reinstatement of no more than 8m<sup>3</sup> of concrete including all necessary formwork, joints, sealants and associated works;
- Provision and installation of new safety fence and parapet system including safety fence ground beam, all anchorage systems, posts, foundations, joints, transitions and connections to existing barriers as required;
- Localised ducting of communications apparatus where this is in the vicinity of the safety barrier works;
- Repairs to the top of abutment walls, including hydro demolition and reinstatement of no more than 3m<sup>3</sup> of concrete;
- Excavation and disposal of 39m<sup>3</sup> of unacceptable material for post foundations and concrete ground beam.

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

The works will take place dual three lane motorway road.

## **4 Traffic Management**

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

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

The works are to be carried out within Time Band 2.

**6 Site Restrictions and Constraints**

The following restrictions and constraints exist at the works location:

- Works adjacent to Network Rail land (the abutment repairs) shall be undertaken within Network Rail track possessions only. Track possessions are available for single days only between 2015hrs and 0600hrs.
- Works to the bridge parapet to be undertaken following installation of temporary edge protection to protect Network Rail infrastructure from falling debris.

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

The works are to be completed within 4 weeks.

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