

INDEX DATA	RPS INFORMATION
Scheme Title Elshree Western Bypass	Details Impact tables.
Road Number	Date
Contractor B.U.A.F.U.	
County	
OS Reference	
Single sided ✓ Double sided	
A3 0 Colour 0	

BUAFU  
Elstree Western Bypass  
Impact Tables

<b>Site:</b>	No.1
<b>Brief Description:</b>	Roman road (Watling Street)
<b>Importance:</b>	Local/regional
<b>Effect:</b>	Low

**Land-take**

The preferred route would be linked to a relatively short stretch of what was formerly a major Roman road.

Comment

An effect upon any possible associated roadside settlement or activity would be of more significance.

**Severance**

The route may sever any relationships which exist between this road and the Roman road to the west (Site No.2).

Comment

The presence of a group of Roman sites within the study area, a few of which are directly affected by the preferred route, suggests a strong possibility of the severance of linked features.

**Do-minimum**

This site may be affected by road repairs to the A5.

<b>Site:</b>	No.2
<b>Brief Description:</b>	Roman road
<b>Importance:</b>	Regional
<b>Effect:</b>	Low

Comment

Identified from SMR (4697) and aerial photographs.

**Land-take**

The route would effect a relatively short stretch of this road.

Comment

An effect upon any associated roadside settlement or activity would be of more significance.

**Severance**

The Roman road would be severed along with any possible activity associated with it on either side of the route.

**Disturbance during construction**

Although a greater part of the Roman road may be affected during construction, the more crucial factor is the increased possibility of an effect upon associated roadside settlement or activity.

<b>Site:</b>	No.3
<b>Brief Description:</b>	Hill House/Grade 2 listed building
<b>Importance:</b>	Local
<b>Effect:</b>	Low

**Comment**

Site listed in Greater London SMR (221715).

**Noise**

Should the route lead to a reduction in traffic and noise levels on the A5 then this would be beneficial to Hill House.

**Do-minimum**

Current traffic and noise levels?

<b>Site:</b>	<b>No.7</b>
<b>Brief Description:</b>	Slight mound/probably modern.
<b>Importance:</b>	Limited
<b>Effect:</b>	Low

Comment

Identified from aerial photographs.

**Land-take**

The route would have an effect upon all of this site.

<b>Site:</b>	No.9
<b>Brief Description:</b>	Ridge and furrow
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Identified during walkover survey.

**Land-take**

The route would cut across a large part of this site.

**Severance**

The site would be severed by the route.

**Disturbance during Construction**

The remainder of this site could be affected during construction.

**Do-minimum**

The area is currently used as pasture for horses which may result in the very gradual erosion of a ridge and furrow site.

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<b>Site:</b>	No. 11
<b>Brief Description:</b>	Ridge and furrow
<b>Importance:</b>	Local
<b>Effect:</b>	Low

**Comment**

Identified during walkover survey.

**Disturbance during construction**

All of this site could be affected during construction.

**Do-minimum**

The area is currently used as pasture for horses which may result in the very gradual erosion of what is already a very denuded ridge and furrow site.

<b>Site:</b>	No.17
<b>Brief Description:</b>	Linear features/possible ditches
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Identified from aerial photographs.

**Land-take**

The preferred route would probably cut across one of these features, which extends up to the edge of the limit of direct effect.

Comment

The aerial photographic coverage may not be representative of the full extent of this linear feature.

**Disturbance during construction**

More of this site could be affected during construction.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon the buried remains of former ditches.



<b>Site:</b>	No.18
<b>Brief Description:</b>	Prehistoric site
<b>Importance:</b>	Regional
<b>Effect:</b>	Moderate

Comment

Identified from the recovery of flint artefacts during fieldwalking.

A collective effect upon this site and Site No.47 would be moderate to severe.

**Land-take**

The preferred route passes through this site, the actual extent of which is not known. Land-take in relation to it is likely to be considerable if we take our current knowledge of the site into account.

Comment

Land-take may also effect any associated buried prehistoric features or deposits.

**Severance**

The site would be severed by the preferred route. The nature and degree of the effect of this severance is difficult to quantify for the reasons stated above.

**Disruption during construction**

Disruption due to construction could result in the destruction of the site as it has been established so far. Again, not knowing the full extent of the site, it is difficult to estimate the proportion which would be affected.

Comment

This type of site, which is represented by artefacts existing on the surface, as well as at a shallow depth within the ploughsoil, could be particularly affected by disturbance during construction.

<b>Site:</b>	No.19
<b>Brief Description:</b>	Linear features
<b>Importance:</b>	?Non-archaeological
<b>Effect:</b>	Minimal

Comment

Identified from aerial photographs.

**Land-take**

The route would cut across a large part of this site, as it is represented on the aerial photographs.

Comment

The aerial photographic coverage may not be representative of the full extent of these linear features.

**Severance**

The site would be severed by the route.

**Disturbance during construction**

The remainder of this site could be affected during construction.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon buried features.

<b>Site:</b>	No.20
<b>Brief Description:</b>	Undated parallel ditches and banks
<b>Importance:</b>	Local
<b>Effect:</b>	Low

**Comment**

Identified during walkover survey.

**Land-take**

The route would cut across the south-eastern corner of this site. The extreme south-eastern corner would be affected by landscape mitigation.

**Disturbance during construction**

Almost all of the remainder of this site could be affected during construction.

<b>Site:</b>	No.28
<b>Brief Description:</b>	St.Nicholas Church
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Site listed in Hertfordshire SMR (0428).

**Noise**

Should the route lead to a reduction in traffic and noise levels on the A5 then this would be beneficial to St. Nicholas Church.

**Do-minimum**

Current traffic and noise levels?

<b>Site:</b>	No.33
<b>Brief Description:</b>	Former boundary/?hollow-way
<b>Importance:</b>	Local
<b>Effect:</b>	Low to minimal

Comment

Identified from aerial photographs and walkover survey.

**Disturbance during construction**

This site may extend into the area which might be affected during construction.

Comment

The aerial photographic coverage may not be representative of the full extent of this curvilinear feature.

<b>Site:</b>	No.34a
<b>Brief Description:</b>	Former field boundary
<b>Importance:</b>	Local
<b>Effect:</b>	Minimal

Comment

Identified from aerial photographs and walkover survey.

**Disturbance during construction**

This site may be affected during construction.

**Do-minimum**

The area is currently used as pasture for horses which may result in very gradual erosion. Also, below ground remains would be affected by repeated ploughing.

<b>Site:</b>	No.36b
<b>Brief Description:</b>	Linear features/former boundaries
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Identified from aerial photographs.

**Land-take**

The northern half of this site would be affected by the route.

Comment

The aerial photographic coverage may not be representative of the full extent of these linear features.

**Disturbance during construction**

Almost all of the remainder of this site could be affected during construction.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon the buried remains of former boundaries.

<b>Site:</b>	No.39
<b>Brief Description:</b>	Evidence for a local Roman pottery industry in the form of clay extraction pits.
<b>Importance:</b>	Regional
<b>Effect:</b>	Moderate to low

Comment

Identified from aerial photographs.

Any direct effect upon a group of sites thought to be associated with a Roman pottery industry could be viewed collectively as being moderate to severe.

**Land-take**

The route would cut across the northern edge affecting only a small part of this site.

**Severance**

Uncertain though possible (see comment).

Comment

The presence of a group of sites connected with the Roman pottery industry within the study area suggests the possibility of severance of linked features.

**Disruption during construction**

Although the route would only affect a small area of this site, a considerable part of it could be affected by disturbance during construction.



<b>Site:</b>	No.43
<b>Brief Description:</b>	Roman clay extraction pits.
<b>Importance:</b>	Regional
<b>Effect:</b>	Moderate to low

Comment

Site listed in the Hertfordshire SMR (0786).

For effects of route see Site No.39.

<b>Site:</b>	No.45a/45b
<b>Brief Description:</b>	Linear features
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Identified from aerial photographs.

**Land-take**

The northern half of 45b, as well as two-thirds of the northern part of 45a, would be affected by the route.

Comment

The aerial photographic coverage may not be representative of the full extent of these linear features.

**Disturbance during construction**

The remainder of these sites, as they are represented by the aerial photographic coverage, could be affected during construction.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon buried features.

<b>Site:</b>	No.47
<b>Brief Description:</b>	Prehistoric site
<b>Importance:</b>	Regional
<b>Effect:</b>	Moderate

Comment

Identified from the recovery of flint artefacts during test pitting.

The route would cut through this site and the effects listed in relation to Site No.18 apply equally to this one.

<b>Site:</b>	No.48a/48b/48c
<b>Brief Description:</b>	?Modern field drains
<b>Importance:</b>	?Non-archaeological
<b>Effect:</b>	Minimal

Comment

Identified from aerial photographs.

**Land-take**

Most of Site Nos.48a/48b would be affected by the route.

**Disturbance during construction**

Site No.48c could be affected during construction.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon buried features.

<b>Site:</b>	No.49
<b>Brief Description:</b>	?Natural features
<b>Importance:</b>	?Non-archaeological
<b>Effect:</b>	Minimal

Comment

Identified from aerial photographs.

**Land-take**

Approximately half of this site would be affected by the route.

**Disturbance during construction**

The remainder could be affected during construction.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon buried features.

<b>Site:</b>	No.51
<b>Brief Description:</b>	Very degraded ridge and furrow
<b>Importance:</b>	Limited
<b>Effect:</b>	Low to minimal

**Comment**

Identified from aerial photographs.

**Disturbance during construction**

This site may be affected during construction.

**Do-minimum**

The area is currently used as pasture for horses which may result in the very gradual erosion of what is already a very degraded ridge and furrow site.

<b>Site:</b>	No.57
<b>Brief Description:</b>	?Quarrying/?Agricultural features
<b>Importance:</b>	Limited
<b>Effect:</b>	Minimal

**Comment**

Identified from aerial photographs.

**Land-take**

The proposed drainage outfall to 'Tykes Water' would effect only a small part of this site.

**Severance**

The outfall would cut the site in half.

**Do-minimum**

Repeated ploughing can have a detrimental effect upon buried features.

<b>Site:</b>	No.59
<b>Brief Description:</b>	Ridge and furrow
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Identified during walkover survey.

**Land-take**

The considered alternative outfall to 'Tykes Water' would affect only a small part of this site.

**Severance**

The route may also sever the site (at present it has not been accurately mapped).



<b>Site:</b>	No.60
<b>Brief Description:</b>	Site of former road/current farm track
<b>Importance:</b>	Local
<b>Effect:</b>	Low

Comment

Identified from 1st edition OS map.

**Land-take**

The considered alternative outfall to 'Tykes Water' may affect a small part of this site.

**Do-minimum**

The constant use of this track, as well as any necessary repairs made to it etc., may have a detrimental effect upon the former road.

<b>Site:</b>	No.61
<b>Brief Description:</b>	Stone bridge
<b>Importance:</b>	Unknown
<b>Effect:</b>	?

Comment

Identified during walkover survey.

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**Land-take**

The considered alternative outfall to 'Tykes Water' may affect this site.

**Do-minimum**

The constant use of this bridge, as well as any necessary repairs made to it etc., could be considered to have a detrimental effect depending on whether it is archaeologically significant or not.

## **Elstree Western Bypass, Hertfordshire.**

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**Sites from related reports which may require cross-referencing.**

### **4.3.2 Built Heritage**

All of the buildings listed in Table 4.3.2.2: Schedule of Listed Buildings (apart from 11/3 Hill House and 14/161 Church of St.Nicholas) are not included in the archaeological assessment of the study area and may require cross-referencing.

Reference to Aldenham Park and Garden of Special Historic Interest could be made, especially in relation to the pits and mounds associated with the Roman pottery industry which lie within the designated zone. Its value historically is also very important.

### **4.5 Ecology and Nature Conservation**

Hedgerows which are species rich often represent boundaries of some age and therefore it may be necessary to cross-reference to parts of the ecology text. Mature trees are also interesting from an archaeological point of view and Section 4.5.3.3 (Northern Section) refers to an area of the Aldenham Park as containing 'several large oaks and silver birch trees'. Pond features can also be valuable as they may contain waterlogged deposits of archaeological interest.

### **4.6 Landscape**

In Section 4.6.4.1 (Landscape Character and Quality) under the sub-heading 'Parkland' the landscape quality in the vicinity of the clay pitting sites (Site Nos.39/43) is described as very attractive and as valued for recreational purposes. The pits form an integral part of this landscape and the significance of the effects attributed to it in this section could equally apply to the above sites. As stated above the waterlogged deposits in ponds may also contain useful archaeological information.

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