

Highways England

National Asset Delivery Technical Surveys and Testing

Area 7 - Concrete Portal Frame Structures Testing

Site Information

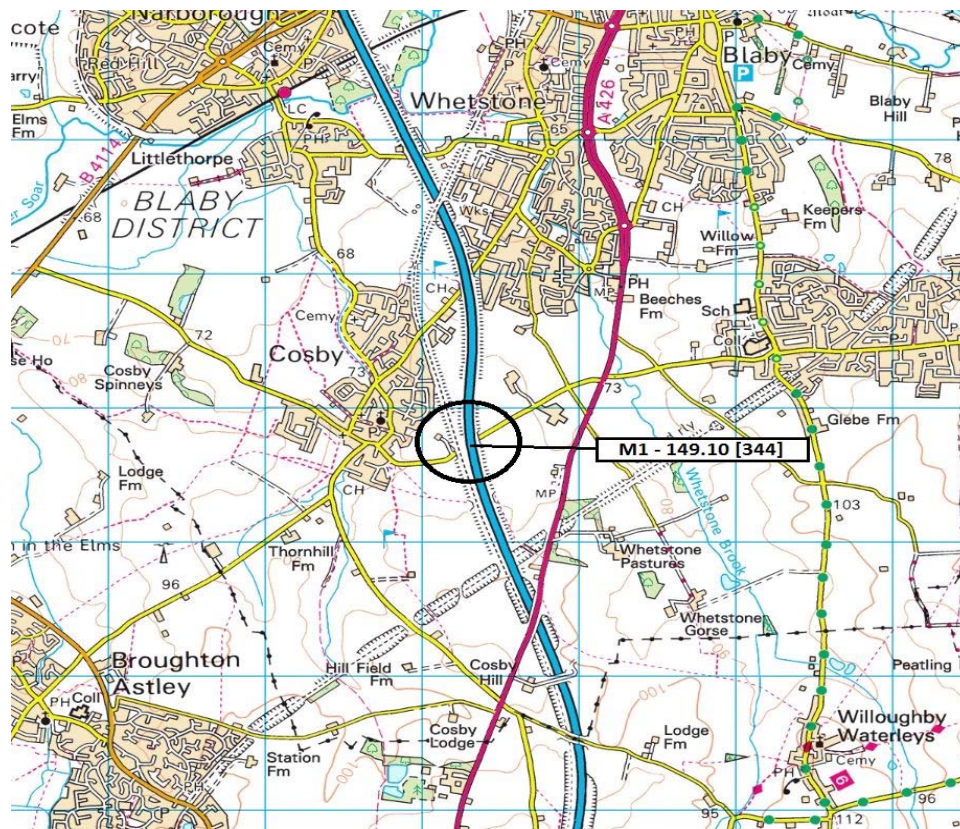
1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

1.1.1: /M1/149.10/ - Cosby-Countesthorpe Road

The bridge *Cosby-Countesthorpe Road* is located at M1 Marker Post 149.10, to the south-east of the small town of *Cosby* in Leicestershire. The structure has a grid reference of E: 455320 / N: 294730.

A location plan is provided below:



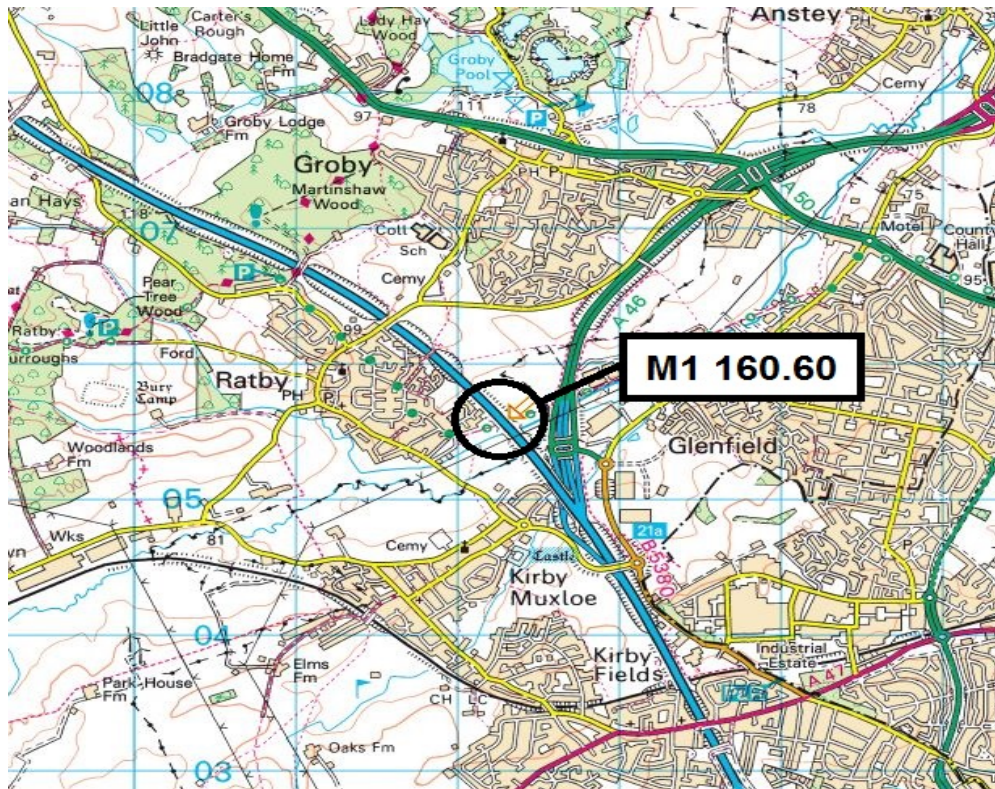
General photographs of the structure have been provided in *Annex A* of this document.

It is recommended that for this structure, the beams are accessed via a MEWP. Traffic management will be provided to assist with this, as per sub-section 1.12 – *Traffic* of this document. There are no other known access restrictions for this structure.

1.1.2: /M1/160.60// - Coalville-Leicester Railway (Disused)

The bridge *Coalville-Leicester Railway (Disused)* is located at M1 Marker Post 160.60, located directly after Junction 21a of the M1, near to Ratby, in Leicestershire. The structure has a grid reference of E: 452310 / N: 305590

A location plan is provided below:



General photographs of the structure have been provided in *Annex A* of this document.

It is anticipated that this structure is accessed from the west via the public footpath/cyclepath. This can be accessed from Taverner Drive, postcode LE6 0HL, which is approximately 320m away. It should be noted that there is a barrier between Taverner Drive and the cyclepath, making MEWP access difficult.

No traffic management will be required, but it should be noted that as this is a public footpath/cycleway, the *Contractor* must have a safe system of work in place to ensure the safety of members of the public wishing to pass the works area.

1.2 Pavement

Not applicable for this project.

1.3 Drainage

Not applicable for this project.

1.4 Geotechnical

Not applicable for this project.

1.5 Soft Estate and Environment

The Environmental and Soft Estate assessment is appended to this TST package. Please refer to the documents for full details regarding each structure. A brief overview is provided below:

1.5.1: /M1//149.10// - Cosby-Countesthorpe Road

- Risk of potentially disturbing badgers. Where badgers are sighted, this must be reported back to Highways England as per the attached proforma.
- The bridge has high bat roost potential. Where bats are sighted, works must cease immediately and be reported to Highways England for further consultation with the EMAD (East Midlands Asset Delivery) Environmental Team.

1.5.2: /M1//160.60// - Coalville-Leicester Railway (Disused)

- Risk of potentially disturbing badgers. Where badgers are sighted, this must be reported back to Highways England as per the attached proforma.

1.6 Traffic Signs, Road Markings

Not applicable for this project.

1.7 Lighting

Not applicable for this project.

1.8 Structures and Buildings

The below table lists the 2no. structures that require concrete testing for this project.

Structure Key	Structure Name	Easting / Northing
344	Cosby-Countesthorpe Road	E: 455230 / N: 294730
376	Coalville-Leicester Railway (Disused)	E: 452310 / N: 305590

1.9 Tunnels

Not applicable for this project.

1.10 Technology

Not applicable for this project.

1.11 Statutory Undertakers

Not applicable for this project.

1.12 Traffic

1.12.1: Cosby-Countesthorpe Road

Before any works are to commence, suitable traffic management will be arranged and installed in accordance with Chapter 8. Traffic management will be arranged by Highways England.

1.12.2: Coalville-Leicester Railway (Disused)

Traffic management will not be necessary for this structure, however pedestrian/cyclist management will be needed, as per the *Contractor's* risk assessments and method statement.

Annex A – Photographs of Sites

1. /M1//149.10// - Cosby-Countesthorpe Road



1.1: General photograph of the structure.



1.2: Typical areas of spalling and corrosion to the reinforcement within the portal beams.

2. /M1//160.60// - Coalville-Leicester Railway (Disused)



2.1: General photograph of the structure.



2.2: Typical areas of spalling and corrosion to the reinforcement within the portal beams.

Annex B – Environmental Surveys

Please refer to the attached documents to this TST package for Environmental Surveys. These documents are referenced as;

- *ESP – Coalville Leicester Railway (Disused) Concrete Testing*
- *ESP – Cosby Countesthorpe Road Concrete Testing*

Annex C – Asbestos Information

1. /M1//149.10// - Cosby-Countesthorpe Road

Asbestos is **presumed** to the structure *Cosby Countesthorpe Road*. Caution is to be exercised on site. Where asbestos is encountered on site, works are to cease immediately and a *Highways England* representative is to be made aware to arrange for clearance of hazardous material.

- Asbestos has been previously confirmed to the joints between structural walls. This has not been confirmed since 2008, therefore it must be presumed asbestos content as it is unknown if works have been conducted to remove as suggested.

Attached to this package is the most recent *Asbestos Action Plan* that has been conducted – document reference *Asbestos Action Plan – Cosby Countesthorpe Road*.

2. /M1//160.60// - Coalville-Leicester Railway (Disused)

Asbestos is **confirmed** to the structure *Coalville-Leicester Railway (Disused)*. This is;

- Crocidolite asbestos, which is located in the structure's weep pipes. These areas do not form part of the testing works and as such there should be minimal asbestos risk.
- Chrysotile asbestos has been previously sighted at the structure at ground-level during the previous asbestos review. It is not anticipated that this will be present at the time of these works.

Where asbestos is found on site, works are to cease immediately and a *Highways England* representative is to be made aware to arrange for clearance of hazardous material.

Attached to this package is the most recent *Asbestos Action Plan* that has been conducted – document reference *Asbestos Action Plan – Coalville-Leicester Railway (Disused)*.