

National Asset Delivery
Technical Surveys and Testing
570122 M5 26-27 SB 277-229.5 RS-006
GPR Survey
Site Information

FOR INFORMATION ONLY

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

The site is located on the M5 southbound carriageway between marker posts 277 and 229.5. These marker posts are located between junctions 26 and 27. The site boundary is defined by the highways boundary.

Access to the site is to be from the highway and within traffic management that is provided to undertake the works.

1.2 Pavement

HAPMS data shows that the pavement is a mixture of flexible and rigid overlaid with flexible pavement.

Asphaltic layers are predominantly around 170-180mm in thickness which is situated over either PQ concrete or CMB. However, there is a 100m section where the asphaltic layers have been increased to 240mm depth making the total depth 350mm. At this location there is no PQ or CMB present and the foundation material is 150mm Type 1.

1.3 Drainage

There are 15 no. drainage covers located in the hard shoulder within the site extents.

There is a filter drain located within the nearside verge through-out the site extents

1.4 Geotechnical

The proposed works will not affect the existing ground conditions or geotechnical features of the site

1.5 Soft Estate and Environment

The proposed works will not affect the soft estate or existing environmental features of the site.

1.6 Traffic Signs, Road Markings

Traffic signs located within the site will not be affected by the works.

Road markings presently located on site are standard 3 lane rural motorway markings including:

- Back of hard shoulder diag 1012.1
- Hard shoulder diag 1012.2
- Lane markings for L1, L2 & L3 diag 1005.1
- Offside edge of carriageway diag 1012.2

1.7 Lighting

No street lighting within scheme extents

1.8 Structures and Buildings

There is one overbridge within the scheme extents.

1.9 Tunnels

Not used

1.10 Technology

There are two sets of loops within the scheme extents adjacent to MS4 signs, at marker posts 228/5 & 229/1 + 50

1.11 Statutory Undertakers

Statutory Undertakers Apparatus locations

1.12 Traffic

Traffic data for year 2019 obtained from WebTRIS shows an AADT of 33259 with 16.2% commercial vehicles.