

**National Asset Delivery
Technical Surveys and Testing**

Site Information for

**570131 M5 J9 SB On-Slip Drainage
survey**

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

The site is located on the M5 Junction 9 Southbound on-slip. The start of the survey works extends from the South side of the A46 island to end of southbound on-slip at MP 70/9 as shown in Figure 1 below. Survey works will include part of the roundabout, southbound on-slip, mainline carriageway (between approx. MP 70/3 + 50m and MP 70/9) and surrounding area comprises embankment adjacent to the on-slip. The embankment varies in height from 4m at the northern end to ground levels at the southern end.

The Ashchurch Interchange South Overbridge is within proximity to the survey extents and Tirlle Brook Culvert is within the survey extents. Neither of these structures are anticipated to be impacted by the survey works.

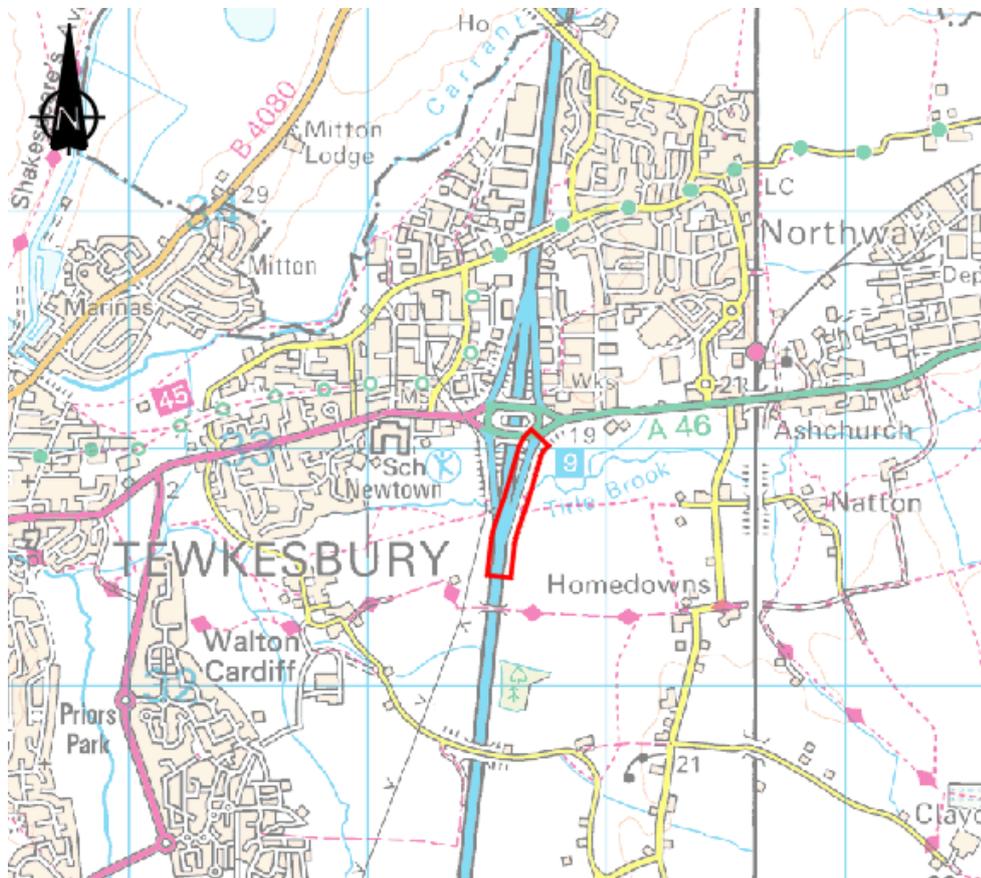


Figure 1

All survey works will be undertaken within the highway boundary. Traffic management arrangements will vary on a survey basis but will primarily be circulatory Lane 1 and Lane 2 closure of the Junction 9 roundabout, slip road closure and mainline lane closures including hardshoulder.

1.2 Pavement

Pavement construction data suggests the pavement is constructed of bituminous materials varies in depth between 195mm and 455mm. The core logs obtained on top of the slip shows the formation layers as sub-base materials and the middle and rest of the core logs show the formation as concrete with varies depth.

The core logs show the presence of tar within the pavement construction located between the depths of 99mm and 262mm within the extent of the on-slip.

1.3 Drainage

Highway drainage is via a filter drain in the nearside verge and there are cross-carriageway filter pipes under the pavement connecting the filter pipe in the nearside verge.

Further down the slip are numerous gullies and kerb gullies as well as an additional edge channel on the nearside edge of carriageway.

1.4 Geotechnical – n/a

1.5 Soft Estate and Environment

There is heavy vegetation along the embankment with some trees.

1.6 Traffic Signs, Road Markings – n/a

1.7 Lighting – n/a

1.8 Structures and Buildings

The Ashchurch Interchange South Overbridge is within proximity to the survey extents. Tirlle Brook culvert is within the survey extents. Both structures are not anticipated to be affected by the survey works.

1.9 Tunnels – n/a

1.10 Technology – n/a

1.11 Statutory Undertakers

Details of statutory undertakers are shown in the statutory undertakers drawing (HE570131-0100_01) which will be provided with the contract documents. The PCI will also include details of existing services as well as the service owners.

1.12 Traffic

The AADT for the M5 southbound mainline at Junction 9 is approximately 33000 and the on-slip AADT estimated 7420.