

National Asset Delivery Technical Surveys and Testing

A5 Safety Improvement Schemes Surveys

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

The Highways England Area 7 Safety Team has identified 4 locations for improvements along the A5 from Newton near Rugby to Towcester.

The location plan indicating the 4 locations, is attached to this documentation; referenced HE564883-HE-GEN-A5_ML-DE-CH-0000 01.

The sites are detailed below:

Location	Purpose of Surveys	Survey General Arrangement Drawing Reference
A5 Newton Lane Junction Classified Turning Counts Speed Survey	The scheme proposals include the widening of the eastern kerb line opposite the Newton Lane junction, the addition of a new right-turn lane, and the relocation of the existing bridleway crossing to a safer location. Surveys are required to provide further information for the optioneering stage of design process and to provide relevant health and safety information that can be referred to through the design process and construction.	HE564883-HE-VGN-A5_ML-DE-Z-0000 01
A5 Daventry Road Crossroads Classified Turning Counts Speed Survey	The scheme proposals include the widening of both kerb lines (including junction radii) at the crossroad junction, the addition of right-turn lanes and diverge tapers. Surveys are required to provide further information for the optioneering stage of design process and to provide relevant health and safety information that can be referred to through the design process and construction.	HE564883-HE-VGN-A5_ML-DE-Z-0000 02
A5 Pattishall Speed Survey	The proposed scheme is a safety improvement scheme. Surveys are required to provide further information for the optioneering stage of design process and to provide relevant health and safety information that can be referred to through the design process and construction.	HE564883-HE-VGN-A5_ML-DE-Z-0000 03
A5 Potterspury Speed Survey	The proposed scheme is a safety improvement scheme. Surveys are required to provide further information for the optioneering stage of design process and to provide relevant health and safety information that can be referred to through the design process and construction.	HE564883-HE-VGN-A5_ML-DE-Z-0000 04

All the above is detailed in the following documents that are attached to this brief:

- HE564883 PSSC National TST Model Scope vr2.3 July 2019– Traffic & NMU

1.2 Pavement

Carriageway construction is anticipated to be typical highway construction at all locations.

1.3 Drainage

Care is to be taken when carrying out any destructive/invasive investigation near existing drainage systems, so as not to damage them.

Location	Existing Drainage Description
A5 Newton Lane Junction	Kerbs with a system of gullies linked to carrier drains and ditches. There is a culvert crossing the carriageway.
A5 Daventry Road Junction	Kerbs with a system of gullies linked to carrier drains and a ditch in the southwest quadrant of the staggered crossroads.
A5 Pattishall	Kerbs with a system of gullies/kerb offlets linked to carrier pipes and ditches.
A5 Potterspury	Kerbs with a system of gullies/kerb offlets linked to carrier pipes and ditches.

Ditches & culverts may be present within the works area at **all** locations.

1.4 Geotechnical

The A5 is a mainly at grade single carriageway.

1.5 Soft Estate and Environment

An Environmental Impact Assessment is available and included in the documentation.

1.6 Traffic Signs, Road Markings

Traffic signs are present within the works extents at all locations.

1.7 Lighting

Location	Existing Lighting Description
A5 Newton Lane Junction	No street lighting is present within the survey extents.
A5 Daventry Road Junction	No street lighting is present, however there are some illuminated signs & bollards within the survey extents.
A5 Pattishall	There is a system of street lighting in Pattishall which is within the extents of the survey works.
A5 Potterspury	There is a system of street lighting in Potterspury which is within the extents of the survey works.

1.8 Structures and Buildings

All survey locations may have structures nearby not necessarily within the extents of the survey area, that the contractor should be mindful of.

1.9 Tunnels

Not applicable.

1.10 Technology

Traffic Loops and associated infrastructure may be in the vicinity.

1.11 Statutory Undertakers

Statutory Undertakers Plans are available and will be provided. Identified plant within the survey vicinity includes but is not limited to:

Location	Identified plant
A5 Newton Lane Junction	<ul style="list-style-type: none"> • Highway Drainage • BT • Electricity (Inc. 33kV and 132kV)
A5 Daventry Road Junction	<ul style="list-style-type: none"> • Highway Drainage • Electricity (Inc. 33kV and HE Asset for lit signs/bollards) • Water • BT
A5 Pattishall	<ul style="list-style-type: none"> • Highway Drainage • BT • W • Electricity LV • BT O/H • Electricity 11kV • Foul Sewer
A5 Potterspury	<ul style="list-style-type: none"> • Highways Drainage • BT • BT O/H • Water • Electricity O/H • Gas LP • Foul Sewer • Surface Water Sewer • Electricity 11kV

1.12 Traffic

Live carriageway will be controlled with Traffic Management during the works if required. The contractor is to liaise with the TM contractor to coordinate the programme of works and the appropriate required TM.