

National Asset Delivery Technical Surveys and Testing

Site Information for A5 Safety Improvement Schemes Surveys 1

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

The Highways England Area 7 Safety Team has identified 6 locations for improvements along the A5 from Newton near Rugby to Towcester.

The location plan indicating the 6 locations, is attached to this documentation; referenced HE564883-HE-GEN-A5_ML-DE-CH-0000 01.

The sites are detailed below:

Location	Survey Categories	Purpose of Surveys	Survey General Arrangement Drawing Reference
A5 Newton Lane Junction	Pavement Topographical & Utility	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 Kilsby Cross Roads to Venture Caravans	Pavement (soil samples only)	The scheme proposals include the installation of new traffic signs in the verge to highlight the junction to approaching traffic. Surveys are required to provide further information 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 HE564883-HE-VGN-A5_ML-DE-Z-0000 03
A5 Daventry Road Crossroads	Pavement Topographical & Utility	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 04

A5 Weedon Bec Village to Heyford Lane	Topographical & Utility	The scheme proposals include the installation of new traffic signs in the verge to highlight a new reduced speed limit. 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 05 HE564883- HE-VGN- A5_ML-DE- Z-0000 06
A5 Northampton Road junction	Pavement (soil samples only)	The scheme proposals include the installation of new traffic signs in the verge to highlight the junction to approaching traffic. Surveys are required to provide further information 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 07
A5 Grays Lane Pury Road	Topographical & Utility	The scheme proposals include the installation of new traffic signs in the verge to highlight the junction to approaching traffic. 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 08

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

- HE564883 ECSC National TST Model Works Information vr2.3 Jul 2019 – PAVEMENT
- HE564883 ECSC National TST Model Works Information vr2.3 Jul 2019 – Topographical & Utility

1.2 Pavement

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

Pavement investigation is proposed at A5 Daventry Road Junction and A5 Newton Lane Junction as part of this survey package.

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.

Drainage investigation is proposed at A5 Daventry Road Junction and A5 Newton Lane Junction as part of this survey package.

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 Kilsby	Kerbs with a system of gullies/kerb offlets linked to carrier pipes and ditches.
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 Weedon Bec Village to Heyford Lane	Kerbs with a system of gullies/kerb offlets linked to carrier pipes and ditches.
A5 Northampton Road	Kerbs with a system of gullies/kerb offlets linked to carrier pipes and ditches.
A5 Grays Lane Pury Road	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 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 Kilsby	Some lighting may be present
A5 Daventry Road Junction	No street lighting is present, however there are some illuminated signs & bollards within the survey extents.
A5 Weedon Bec Village to Heyford Lane	There is a system of street lighting in Weedon Bec village which is within the extents of the survey works.
A5 Northampton Road	Some lighting may be present
A5 Grays Lane Pury Road	No street lighting is present, however there are some illuminated signs & bollards within the survey extents.
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. The ones listed below are in the vicinity of the survey works.

Location	Existing Structures Description
A5 Newton Lane Junction	No known structures are present within the survey extents
A5 Kilby	No known structures are present within the survey extents
A5 Daventry Road Junction	No known structures are present within the survey extents
A5 Weedon Bec Village to Heyford Lane	There are two bridges/large culverts in the survey extents over the River Nene & the Grand Union Canal.
A5 Northampton Road	No known structures are present within the survey extents
A5 Grays Lane Pury Road	No known structures are present within the survey extents

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 Kilsby	<ul style="list-style-type: none"> • Highway Drainage • BT (underground and overhead) • Electricity underground and overheads (Inc. 33kV, 11kV and 132kV) • Water
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 Weedon Bec Village to	<ul style="list-style-type: none"> • Highway Drainage

Heyford Lane	<ul style="list-style-type: none"> • BT (underground and overhead) • Foul Sewer • Water • Sky • Electricity (Inc. 11 KV, 11kV overhead)
A5 Northampton Road	<ul style="list-style-type: none"> • Highway Drainage • BT • BT underground and O/H • Electricity 11kV O/H
A5 Grays Lane Pury Road	<ul style="list-style-type: none"> • Highway Drainage • BT (underground and overhead) • Water • Foul Sewer • Electricity (inc LV, LV overhead, 11kV, 11kV overhead, 132kV overhead)

1.12 Traffic

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