

**National Asset Delivery
Technical Surveys and Testing**

Site Information for

605788

AD14 Drainage

**All Assets Condition and Connectivity
Surveys**

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1 SITE INFORMATION

All surveys are accessed adjacent to the general carriageway under Traffic management closures.

1.1 Site boundary, extents and access arrangements

The survey is located upon the Highways England Area 14 network see Appendix A and B for the individual Location Plans with OHC and Survey Outputs within the 8 areas listed below:

1.1.1 A1M Junction 56-57

The work proposed is on the A1(M) Junction 56, Barton to Junction 57 near Cleasby in both Northbound and Southbound directions including centre res. FADDS Survey recommended due to confirmed floods in area and low asset count information.

Survey Outfall

The drainage outfalls to a possible ditch with an approximate location at OSGR 422454E, 509418N. FADDS Survey will need to happen to be able to confirm this.

Chart Section

Northbound = 2700A1M/139 – 965m, 2700A1M/165 – 1005m, 2700A1M/187 – 961m
Southbound = 2700A1M/140 – 1042m, 2700A1M/166 – 1020m, 2700A1M/188 – 949m

OSGR Co-ordinates

422000E, 508537N and 423874E, 510824N

Traffic Flow

Northbound = AADF (one way-12hr) 22, 363 with 15.6% HCV
Southbound = AADF (one way-12hr) 21, 585 with 15.0% HCV

1.1.2 A66M Blackwell Roundabout

The works are proposed for the Blackwell roundabout on the A66M and include inner and outer ring with approaches. FADDS survey recommended due to flooding events occurring in this location and limited condition data.

Survey Outfall

The drainage outfall appears to be at the approximate location OSGR 426705E, 512574N, FADDS Survey will need to happen to be able to confirm this.

Chart Section

2700A66M/90 – 502m, 2700A66/130 - 394m, 2700A66/160 – 156m, 2700A66M/91 – 506m

OSGR Co-ordinates

426902E, 512775N

Traffic Flow

Westbound = AADF (One way - 12 hr) 7,506 with 10.6% hcv.
Eastbound = AADF (One way - 12 hr) 7,838 with 10.6% hcv.

1.1.3 A1 Shotton IC - Stannington IC

The works are proposed for A1 Shotton Interchange to Stannington Interchange. FADDs survey recommended due to flooding events occurring in this location and limited condition data.

Chart Section

Northbound = 2900A1/112 – 1903m (704m to be surveyed), 2900A1/162 – 34m, 2900A1/161 – 661m, 2900A1/107 – 480m, 2900A1/180 – 775m, 2900A1/182 – 508m, 2900A1/184 – 476m, 2900A1/186 – 535m, 2900A1/193 – 817m.

Southbound = 2900A1/113 – 1812m (603 to be surveyed), 2900A1/167 – 354m, 2900A1/166 – 130m, 2900A1/165 – 186m, 2900A1/181 – 1407m, 2900A1/183 – 433m, 2900A1/185 – 437m, 2900A1/182 – 508m, 2900A1/184 – 476m, 2900A1/186 – 535m, 2900A1/187 – 595m, 2900A1/193 – 817m, 2900A1/194 – 751m

OSGR Co-ordinates

421863E, 577662N and 420861E, 581260N

Traffic Flow

Data not available.

1.1.4 A1 Big Waters – Blagdon Lane

The works are proposed for A1 Big Waters to Blagdon Lane approaches. FADDs survey recommended due to flooding events occurring in this location. Works cover North and Southbound.

Survey Outfall

The drainage outfalls to a river approx. 480 meters from Big Water with an approximate location at OSGR 423589E, 572978N. FADDs Survey will need to happen to be able to confirm this.

Chart Section

Northbound = 4510A1/183 – 312m, 4510A1/185 – 715m, 4510A1/190 – 170m, 2900A1/105 – 1725m

Southbound = 2900A1/106 – 1727m, 4510A1/191 – 468m, 4510A1/194 – 344m, 4510A1/186 – 643m, 4510A1/184 – 357m

OSGR Co-ordinates

423460E, 573504N and 422575E, 576614N

Traffic Flow

Northbound = AADF (one way-12hr) 25,836 with 8.0% HCV

Southbound = AADF (one way-12hr) 24,584 with 8.9% HCV

1.1.5 A1 Mitford – High Church

The work proposed is on the A1 Mitford to High Church. FADDS survey recommended due to flooding events occurring in this location and poor/limited collection data. Northbound and Southbound Verges including Centre Res.

Chart Section

2900A1/ 210 – 1937m (1369m of chart section to be surveyed)

2900A1/217 - 606m (300m of chart section to be surveyed)

2900A1/228 – 758m (295m of chart section to be surveyed)

2900A1/211 - 1916m (1364m of chart section to be surveyed)

OSGR Co-ordinates

418274E, 584566N and 417646E, 586043N

Length of Scheme

Northbound = 1,669m

Southbound = 1,669m

Traffic Flow

Northbound AADP (One way - 12 hr) 11,631 with 9.5%hcv

1.1.6 A1 B1340, Exit and Entry Slip

The works are proposed for exit and entry slip of the A1 B1340 near Denwick. FADDS survey recommended due to flooding events occurring in this location and limited condition data.

Survey Outfall

The drainage outfall could potentially be at River Ah with an approximate location at OSGR 420607E, 613196N but a FADDS Survey will need to happen to be able to confirm this.

Chart Section

2900A1/355 – 175m, 2900A1/349 – 41m

OSGR Co-ordinates

420102E, 614284N and 420220E, 614181N

Length of Scheme

216m

Traffic Flow

No data available.

1.1.7 A1 Warrenford – Wandylaw (Gap)

Survey required to cover gap between Warrenford to Purdy and Beale to Oxford (Title not relevant to location). Pipework and Chambers defect Survey by CCTV recommended.

Chart Section

2900A1/409 – 1201m (250m of chart section to be surveyed), 2900A1/410 – 955m
2900A1/411 – 1112m.

OSGR Co-ordinates

South Extents - 414844E, 626278N to North Extents - 413552E, 628363N

Traffic Flow

No data available.

1.1.8 A1 Felton - Alnwick

Survey recommended to determine reasons behind recent flood events in the area and poor or limited condition data. Jet and survey with CCTV camera full extents of drainage from Felton to Alnwick on Northbound Verge.

Chart Section

2900A1/303 – 1695m, 2900A1/308 – 1633m, 2900A1/310 – 877m, 2900A1/312 – 1591m, 2900A1/314 – 166m, 2900A1/316 – 1268m, 2900A1/321 – 810m, 2900A1/323 – 1430m, 2900A1/345 – 1866m, 2900A1/332 – 354m, 2900A1/334 – 1080m, 2900A1/338 – 1593m, 2900A1/348 – 182m, 2900A1/360 – 150m, 2900A1/366 – 830m, 2900A1/368 – 330m, 2900A1/370 – 1123m, 2900A1/362 – 2360m, 2900A1/364 – 1647m, 2900A1/365 – 469m (441m of chart section to be surveyed).

OSGR Co-ordinates

417473E, 600765N to 417714E, 620580N

Traffic Flow

Northbound AADF (One way - 12 hr) 7,928 with 11.6%hcv

1.2 Pavement

All carriageways services are asphalt.

1.3 Geotechnical

There are no known geotechnical issues with the potential to impede the proposed survey.

1.4 Soft Estate and Environment

The nearside and central reserve verges are grassed with varying a degree of vegetation throughout the route. See Appendix B for the Environmental RAG Plans.

1.5 Drainage

The existing drainage network at both locations consist of gullies with carrier drains/pipework. The drainage construction date is unknown, although is constructed primarily of vitrified clay construction with some sections of PVC pipework. See Appendix A for the Scheme outputs.

1.6 Statutory Undertakers

A C2 Statutory Undertakers enquiry is to be sought during design to ascertain the presence and depth of existing services.

1.7 Traffic

Traffic management to be provided by CHC (M&R) site access and welfare facilities will be briefed via CHC during works induction prior to site works commencing.

- D2_M = Static lane closures in accordance with chapter 8.

1.8 Scheme Specific Requirements

Scheme Specific Requirements			
	Yes	No	Comments
Does a H&S file exist?	✓		H&S Pre-con will be issued to the Principle Contractor CHC (M&R) 2 weeks prior to works. CHC will produce H&S site file and provide site induction and workforce H&S checks prior to works
Site Welfare	✓		Mobile unit to be provided by the Principle Contractor. Nearest depot and Welfare facilities to be advised by Supervisor / Highways England Representative
Are there requirements for site security?		✓	Contractor responsible for own equipment to be removed from site after each shift
Are there any restrictions on vehicle movements?	✓		All site vehicles (incl. delivery vehicles) must abide by the TM requirements and regulations 1. enter and exit site from the dedicated points; 2. Reverse in-line with the Highways England Vehicle Reversing Policy; 3. Comply with the designated site safety speed limits; All vehicles within Traffic Management shall comply with the conspicuity requirements of Chapter 8.
Are there any restrictions on deliveries, waste collection, or storage?	✓		No deliveries to take place unless Traffic Management is in place. No waste shall be stored on site. Waste Carriers Licence required
Are there any parking restrictions?	✓		All vehicles and plant within the works area shall be parked in a safe area clear of access and egress points. All vehicles and plant shall be removed from the carriageway prior to removal of traffic management. No Private vehicles are allowed on site

Scheme Specific Requirements			
Height Restrictions (Structures & OH Cables)	✓		Have overhead cables been identified on site? YES – network plans showing location of overhead cables to be provided with package of work
Are emergency procedures and means of escape required?	✓		The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted.
Are there any areas in or around the site classified as no-go areas?	✓		The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted. One lane will remain serviceable throughout the works duration for emergency services at all times.
Are there any noise restrictions?		✓	
Adjacent land uses, for example schools, railway lines		✓	
Are temporary works required?		✓	
Are there any poor or hazardous ground conditions		✓	
Are there any unstable structures?		✓	
Are there any areas likely to be classed (existing or designed) as confined spaces?		✓	
Are there any other projects taking place within the vicinity?		✓	No known works are taking place within the vicinity.
Are there any Environmental restrictions?		✓	

Appendices

Appendix A – Location and Overhead Cable Plans

605788-D-01-01	A1M J56-57 Location Plan
605788-D-01-02	A66M Blackwell Roundabout Location Plan
605788-D-01-03	A1 Shotton IC – Stannington IC Location Plan
605788-D-01-04	A1 Big Waters – Blagdon Lane Location Plan
605788-D-01-05	A1 Mitford – High Church Location Plan
605788-D-01-06	A1 B1340, Entry and exit slips Location Plan
605788-D-01-07	A1 Warrenford – Wandylaw Location Plan
605788-D-01-08	A1 Felton to Alnwick Location Plan

Appendix B – Survey Outputs

605788-D-01-09	A1M J56-57 Survey Outputs
605788-D-01-10	A66M Blackwell Roundabout Survey Outputs
605788-D-01-11	A1 Shotton IC – Stannington IC Survey Outputs
605788-D-01-12	A1 Big Waters – Blagdon Lane Survey Outputs
605788-D-01-13	A1 Mitford – High Church Survey Outputs
605788-D-01-14	A1 B1340, Entry and exit slips Survey Outputs
605788-D-01-15	A1 Warrenford – Wandylaw Survey Outputs
605788-D-01-16	A1 Felton to Alnwick Survey Outputs

Appendix C - Environmental RAG Plans

605788-D-01-17	A1M J56-57 Rag Plans
605788-D-01-18	A66M Blackwell Roundabout Rag Plans
605788-D-01-19	A1 Shotton IC – Stannington IC Rag Plans
605788-D-01-20	A1 Big Waters – Blagdon Lane Rag Plans
605788-D-01-21	A1 Mitford – High Church Rag Plans
605788-D-01-22	A1 B1340, Entry and exit slips Rag Plans
605788-D-01-23	A1 Warrenford – Wandylaw Rag Plans
605788-D-01-24	A1 Felton to Alnwick Rag Plans

Appendix D – Public Access Map

605788-D-01-25	A1M J56-57 Public Access Map
605788-D-01-27	A1 Shotton IC – Stannington IC Public Access Map
605788-D-01-28	A1 Big Waters – Blagdon Lane Public Access Map
605788-D-01-29	A1 Mitford – High Church Public Access Map
605788-D-01-30	A1 B1340, Entry and exit slips Public Access Map
605788-D-01-31	A1 Warrenford – Wandylaw Public Access Map
605788-D-01-32	A1 Felton to Alnwick Public Access Map

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