

**National Asset Delivery
Technical Surveys and Testing**

Site Information for

605788-D-02

AD14 Drainage Surveys, Phase 2

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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 for the individual Location Plans with OHC within the 8 areas listed below:

1.1.1 A66 Beaconhill/Sadberge

The work proposed is on the A66 Eastbound verge at Sadberge. The pipe runs from Middleton road structure to the outfall pipe (roughly 700m length) on the main carriageway. The outfall pipe which is off the HE network also requires a survey and the length is approx. 700m.

Chart Section

1300A66/370

OSGR Co-ordinates

Start 433601E, 516472N

End 434203E, 516543N

Length of Scheme

1400m

Traffic Flow

Eastbound = AADF (one way-12hr) 12,875 with 7.7% HCV

TM

Lane 1 closure on the Eastbound carriageway and TTRO for entry and exit slip road at Sadberge. Beacon hill will also need to be closed

1.1.2 A1 Detchant – Belford Station

The work proposed is on the A1 between Detchant and Belford Station in both North and Southbound direction.

Chart Section

2900A1/421 (155m to be surveyed), 422, 423, 424, 425, 426 (337m to be surveyed).

OSGR Co-ordinates

Start 411829E, 633366N

End 409347E, 636998N

Length of Scheme

4545m each direction. Total 9090m

Traffic Flow

Northbound - AADF (One way - 12 hr) 4,773 with 13.9% HCV

Southbound - AADF (One way - 12 hr) 4,843 with 14.2% HCV

TM

Traffic signals

1.1.3 A1 Fenwick – Fenwick Stead

The work proposed is on the A1 between Fenwick to Fenwick Stead in both Northbound and Southbound direction.

Chart Section

2900A1/427(176m to be surveyed), 428, 429

OSGR Co-ordinates

Start 407944E, 638966N

End 406049E, 641252N

Length of Scheme

2970m each direction. Total 5940m

Traffic Flow

Northbound - AADF (One way - 12 hr) 4,773 with 13.9% HCV

Southbound - AADF (One way - 12 hr) 4,843 with 14.2% HCV

TM

Traffic Signals

1.1.4 A1 Skelly Loaning

The work proposed is on the dual section of A1 Skelly Loaning in both the Northbound and Southbound direction including Centre res. Issues raised with the drainage running away from the Culvert nearby. Reports of floods in nearby fields may indicate issue with ditches.

Chart Section

2900A1/454, 456, 457, 455

OSGR Co-ordinates

Start 397341E, 652769N

End 397418E, 653143N

Length of Scheme

500m

Traffic Flow

Northbound - AADF (One way - 12 hr) 5,389 with 11.7% HCV

Southbound - AADF (One way - 12 hr) 5,357 with 12.2% HCV

TM

Lane 1 and 2 back to back closures

1.1.5 A194M Sunderland Highway Bridge - Havanna IC SB Slips

The work proposed is on the A194M Sunderland Highway Bridge to Havanna Interchange including Entry and Exit slip. In both Northbound and Southbound direction including centre res.

Chart Section

1300A194M/ 112, 153, 157, 120, 149, 116

OSGR Co-ordinates

Start 428498E, 556866N

End 429154E, 557634N

Length of Scheme

Northbound – 1020m

Southbound – 1020m

Exit slip – 558m

Entry slip – 854m

Traffic Flow

Northbound - AADF (One way - 12 hr) 9,434 with 7.3% HCV

Southbound - AADF (One way - 12 hr) 16,171 with 7.5% HCV

TM

Lane 1 and lane 2 back to back closures with L1 and HS closure for entry/exit slip.

1.1.6 A1 Gap between Detchant to Fenwick

The work proposed is on the A1 between Detchant and Fenwick in both Northbound and Southbound direction.

Chart Section

2900A1/427(1366m to be surveyed), 426 (1059m to be surveyed).

OSGR Co-ordinates

Start 409347E, 636998N

End 407944E, 638966N

Length of Scheme

2425m each direction. Total 4850m

Traffic Flow

Northbound - AADF (One way - 12 hr) 4,773 with 13.9% HCV

Southbound - AADF (One way - 12 hr) 4,843 with 14.2% HCV

TM

Traffic signals

1.1.7 A696 Kenton Bar IC – Newcastle Airport

The work proposed is between A696 Kenton bar Interchange and Newcastle Airport in both Northbound and Southbound direction including Centre Res.

Chart Section

2900A696/ 155, 156, 104, 103, 105, 106, 111, 110, 121, 120, 131, 130, 170, 171, 176, 175, 185, 186

OSGR Co-ordinates

Start 421210E, 567965N

End 418154E, 571689N

Length of Scheme

5000m

Traffic Flow

Northbound - AADF (One way - 12 hr) 9,783 with 3.0% HCV

Southbound - AADF (One way - 12 hr) 10,156 with 2.8% HCV

TM

Lane 1 and lane 2 back to back closures.

1.1.8 A1 J58 SB Exit

The work proposed is on the A1 Junction 58 Southbound on Slip.

Chart Section

2700A1/294, 286 (135m to be surveyed only)

OSGR Co-ordinates

Start 426386E, 517906N

End 425987E, 517270N

Length of Scheme

755m

Traffic Flow

Southbound - AADF (One way - 12 hr) 14,737 with 16.4% HCV

TM

Lane 1 closure

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.

1.6 Statutory Undertakers

Survey works will not involve digging into the ground; therefore, no underground services will be affected.

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
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		✓	

Scheme Specific Requirements			
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?		✓	

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Appendices

Appendix A – Location and Overhead Cable Plans

Appendix A – OH Plan (1)	A66 Beaconhill Sadberge
Appendix A – OH Plan (2)	A1 Detchant – Belford Station
Appendix A – OH Plan (3)	A1 Fenwick – Fenwick Stead
Appendix A – OH Plan (4)	A1 Skelly Loaning
Appendix A – OH Plan (5)	A194M Havanna IC SB off slip
Appendix A – OH Plan (6)	A1 gap between Detchant to Fenwick
Appendix A – OH Plan (7)	A696 Kenton Bar IC – Newcastle Airport
Appendix A – OH Plan (8)	A1 J58 SB Exit Slip

Appendix B - Environmental RAG Plans

Appendix B – Rag Plans (1)	A66 Beaconhill Sadberge
Appendix B – Rag Plans (2)	A1 Detchant – Belford Station
Appendix B – Rag Plans (3)	A1 Fenwick – Fenwick Stead
Appendix B – Rag Plans (4)	A1 Skelly Loaning
Appendix B – Rag Plans (5)	A194M Havanna IC SB off slip
Appendix B – Rag Plans (6)	A1 gap between Detchant to Fenwick
Appendix B – Rag Plans (7)	A696 Kenton Bar IC – Newcastle Airport
Appendix B – Rag Plans (8)	A1 J58 SB Exit Slip

Appendix C – Public Access Map

Appendix C – Public Access Maps (1)	A66 Beaconhill Sadberge
Appendix C – Public Access Maps (2)	A1 Detchant – Belford Station
Appendix C – Public Access Maps (3)	A1 Fenwick – Fenwick Stead
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