

**National Asset Delivery
Technical Surveys and Testing**

605788-P-007

**Area 14 Coring and Dynamic Cone
Penetrometer Surveys**

Site Information

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1 SITE INFORMATION

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

1.1 Site boundary, extents and access arrangements

The surveys are located upon the Highways England Area 14 network see Appendix A for the individual Location Plans with OHC within the 13 areas listed below:

1.1.1 A696 Kenton Bar – Prestwick roundabout

The work proposed is on the A696 Kenton Bar to Prestwick roundabout in both Eastbound and Westbound direction in lane 1 and 2. The works include Coring.

Chart Section

WB - 4510A696/186, 176, 171, 131, 121, 111, 106, 104, 2900A696/150, 155, & 160

EB - 4510A696/185, 175, 170, 130, 120, 110, 105, 103, 2900A696/156.

OSGR Co-ordinates

Start 421202E, 567965N.

End 418124E, 571721N.

Length of Scheme

WB – 4937m

EB – 4880m

Roundabouts – 398m

Total – 20,032m

Traffic Flow

NB - AADF (One way – 12 hr) 9,783 with 3.0% hcv

SB - AADF (One way – 12 hr) 10,156 with 2.8% hcv

TM

Lane closure, inner and outer ring closures

1.1.2 A1 Highfields - Scottish border

The work proposed is on the A1 Highfields to Scottish border dual carriageway section in both the Northbound and Southbound direction in lane 1 and 2. The works include Coring.

Chart Section

NB - 2900A1/488, 491, 494

SB – 2900A1/489, 492, 495

OSGR Co-ordinates

Start 399010E, 654770N

End 397388E, 657039N

Length of Survey

SB – 2819m

NB – 2823m
Total – 11,284m

Traffic Flow

NB - AADF (One way – 12 hr) 5823 with 12.8% hcv
SB - AADF (One way – 12 hr) 6009 with 13.6% hcv

TM

Lane closure

Pavement

The carriageway is made up of an assortment of TSC and aged HRA.

1.1.3 A66 Sedbury Layby - Footpath

The work proposed is on both sides of the footpath at Sedbury Layby which is on the A66 to the west of the A1M/A66 Scotch Corner junction. The works include Coring and DCP.

Chart Section

2700A66/88

OSGR Co-ordinates

Start 420802E, 505345N
End 421017E, 505276N

Length of Scheme

320m
Total – 640m

Traffic Flow

Unavailable.

TM

Lane closure within layby

1.1.4 A1 West Cawledge – Denwick

The work proposed is on the A1 between West Cawledge to Denwick in both the Northbound and Southbound direction in lane 1 and 2. The works include Coring.

Chart Section

NB – 2900A1/345, 332, 334, 338, 348, 360
SB – 2900A1/359, 333, 340, 344, 346

OSGR Co-ordinates

Start – 418164E, 610038N
End – 420150E, 614317N

Length of Scheme

NB – 5225m
SB – 5253m
Total – 20,956m

Traffic Flow

NB - AADF (One way – 12 hr) 7,976 with 11.0% hcv

SB - AADF (One way – 12 hr) 8,078 with 11.1% hcv

TM

Lane closure

1.1.5 A1 South Charlton – North Charlton

The work proposed is on the A1 between South Charlton and North Charlton in both the Northbound and Southbound direction of the single carriageway. The works include Coring.

Chart Section

2900A1/365, 380

OSGR Co-ordinates

Start – 417853E, 620157N

End – 417016E, 622651N

Length of Scheme

NB - 2693m

SB - 2693m

Total – 5386m

Traffic Flow

NB - AADF (One way – 12 hr) 5069 with 13.0% hcv

SB - AADF (One way – 12 hr) 5073 with 13.7% hcv

TM

Traffic signals

1.1.6 A1 Scremerston – Oxford

The work proposed is on the A1 between Scremerston to Oxford in both the Northbound and Southbound direction of the single carriageway. The works include Coring.

Chart Section

2900A1/439, 440, 441

OSGR Co-ordinates

Start – 401455E, 646929N

End – 400175E, 649400N

Length of Scheme

NB – 2889m

SB – 2889m

Total – 5778m

Traffic Flow

NB - AADF (One way – 12 hr) 4308 with 13.7% hcv

SB - AADF (One way – 12 hr) 4590 with 13.2% hcv

TM

Traffic Signals

1.1.7 A1M J60 – J61

The work proposed is on A1M between J60 Bradbury Interchange and J61 Bowburn Interchange in the Southbound direction in lane 1 and 2. The works include Coring.

Chart Section

SB - 1300A1M/305, 313, 317, 321, 325, 329, 333, 337

OSGR Co-ordinates

Start – 432331E, 531155N

End – 430996E, 537343N

Length of Scheme

SB – 6739m

Total – 13,478m

Traffic Flow

SB - AADF (One way – 12 hr) 16,291 with 14.3% hcv

TM

Lane closure

1.1.8 A66 Little Burdon – Long Newton

The work proposed is on the A66 between Little Burdon roundabout and Long Newton interchange in both the Eastbound and Westbound direction in lanes 1 and 2. The works include Coring.

Chart Section

EB - 1300A66/365, 370, 375, 0700A66/101, 103

WB – 1300A66/392, 390, 387, 385, 380, 0700A66/102, 104 (350m to be surveyed)

OSGR Co-ordinates

Start – 432683E, 516387N

End – 437330E, 516247N

Length of Scheme

EB – 4808m

WB – 4808m

Total – 19,232m

Traffic Flow

EB - AADF (One way – 12 hr) 12,875 with 7.7% hcv

WB - AADF (One way – 12 hr) 12,934 with 7.3% hcv

TM

Lane closure

1.1.9 A66 Long Newton – Elton

The work proposed is on the A66 Long Newton interchange and Elton in the Eastbound and Westbound direction in lane 1 and 2. The works include Coring.

Chart Section

EB - 0700A66/105, 107, 109, 111, 113 (420m to be surveyed)

WB – 0700A66/114 (625m to be surveyed), 112, 110, 106, 104 (490m to be surveyed).

OSGR Co-ordinates

Start - 437330E, 516247N

End – 441090E, 517675N

Length of Scheme

EB – 4808m

WB – 4052m

Total Length – 21,449m

Traffic Flow

EB - AADF (One way – 12 hr) 19,817 with 5.9% hcv

TM

Lane closure

1.1.10 A19 Fisher Lane – Moor Farm

The work proposed is on A19 between Fisher Lane and Moor Farm in both Eastbound and Westbound directions in lane 1 and 2. The works include Coring.

Chart Section

EB – 2900A19/145, 135, 125, 115

WB – 2900A19/110, 111, 120, 130, 140

OSGR Co-ordinates

Start – 423639E, 574597N

End – 426918E, 574653N

Length of Scheme

EB – 3391m

WB – 3407m

Total – 13,596m

Traffic Flow

WB - AADF (One way – 12 hr) 14,998 with 6.3% hcv

EB - AADF (One way – 12 hr) 16,017 with 6.2% hcv

TM

Lane closure

1.1.11 A1 Fairmoore – Warreners House

The work proposed is on the A1 between Fairmoor interchange and Warreners House in both Northbound and Southbound direction in lanes 1 and 2. The works also include the NB exit slip and SB entry slip. The works include Coring and DCP.

Chart Section

NB – 2900A1/229, 237

SB – 2900A1/238, 231

NB Exit slip – 2900A1/240

SB Entry slip – 2900A1/241

OSGR Co-ordinates

Start 418192E, 587793N

End 418225E, 588653N

Length of Scheme

NB – 765m

SB – 655m

NB Exit slip – 390m

SB Entry slip (dual) – 805m

Total including slips – 4840m

Traffic Flow

NB - AADF (One way – 12 hr) 13,159 with 8.5% hcv

SB - AADF (One way – 12 hr) 13,125 with 8.7% hcv

TM

Lane closure and TTRO for NB slip.

1.1.12 A1 Burgham – West Moor

The work proposed is on the A1 between Burgham and West Moor in both Northbound and Southbound direction of the single carriageway. The works include Coring and DCF.

Chart Section

2900A1/285, 290

OSGR Co-ordinates

Start – 418202E, 596972N

End – 417427E, 598766N

Length of Scheme

NB – 2064m

SB – 2064m

Total – 4128m

Traffic Flow

NB - AADF (One way – 12 hr) 8363 with 9.8% hcv

SB - AADF (One way – 12 hr) 8575 with 10.3% hcv

TM

Traffic Signals

1.1.13 A19 Holystone – Killingworth

The work proposed is on A19 Holystone to Killingworth in Northbound direction in lane 1 and 2. The works include Coring.

Chart Section

NB - 4515A19/53, 46, 30

OSGR Co-ordinates

Start – 430582E, 570563N

End – 428748E, 572447N

Length of Scheme

NB – 2671m

Total – 5342m

Traffic Flow

NB - AADF (One way – 12 hr) 20,156 with 4.9% hcv

TM

Lane closure

1.2 Pavement

All carriageways services are asphalt.

1.3 Drainage

Combination of gullies, filter drains and concrete channels.

1.4 Geotechnical

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

1.5 Soft Estate and Environment

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

1.6 Structures and Building

See Appendix D for a list of underpass structures which lie within the extent of the works. The OSGR location info of all sub-carriageway structures to be provided to TST contractor by Highways England. No road cores are to be taken from the carriageway over structures. TST contractor to record locations of structures and demarcate locations on site by drive through during daylight hours. Core extraction to be amended as determined on site to avoid damage to structures' waterproof layer.

1.7 Statutory Undertakers

Statutory undertaker historic records to be provided to the Principal Contractor by Highways England, information shall be updated and given to the awarded contractor in a PCI document. The location of existing drainage is kept on HADDMS.

1.8 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 / D2_APTR = Static lane closures in accordance with chapter 8.

1.9 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		✓	
Are temporary works required?		✓	
Are there any poor or hazardous ground conditions		✓	
Are there any unstable structures?		✓	

Scheme Specific Requirements			
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?		✓	

FOR INFORMATION ONLY
DO NOT COMPLETE AT THIS STAGE

2 APPENDICIES

Appendix A – Location and Overhead Cable Plans

Appendix A – OH Plan (1)	A696 Kenton Bar – Prestwick Roundabout
Appendix A – OH Plan (2)	A1 Highfields – Scottish Border
Appendix A – OH Plan (3)	Sedbury Layby Footpath
Appendix A – OH Plan (4)	A1 West Cawledge – Denwick
Appendix A – OH Plan (5)	A1 South Charlton – North Charlton
Appendix A – OH Plan (6)	A1 Scremerston – Oxford
Appendix A – OH Plan (7)	A1M J60-61
Appendix A – OH Plan (8)	A66 Little Burdon – Long Newton
Appendix A – OH Plan (9)	A66 Long Newton – Yarm Road
Appendix A – OH Plan (10)	A19 Fisher Lane - Moor Farm
Appendix A – OH Plan (11)	A1 Fairmoore – Warreners House
Appendix A – OH Plan (12)	A1 Burgham – West Moor
Appendix A – OH Plan (13)	A19 Holystone – Killingworth

Appendix B – Environmental RAG Plans

Appendix B – Rag Plans (1)	A696 Kenton Bar – Prestwick Roundabout
Appendix B – Rag Plans (2)	A1 Highfields – Scottish Border
Appendix B – Rag Plans (3)	Sedbury Layby Footpath
Appendix B – Rag Plans (4)	A1 West Cawledge – Denwick
Appendix B – Rag Plans (5)	A1 South Charlton – North Charlton
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Appendix B – Rag Plans (9)	A66 Long Newton – Yarm Road
Appendix B – Rag Plans (10)	A19 Fisher Lane - Moor Farm
Appendix B – Rag Plans (11)	A1 Fairmoore – Warreners House
Appendix B – Rag Plans (12)	A1 Burgham – West Moor
Appendix B – Rag Plans (13)	A19 Holystone – Killingworth

Appendix C – Public Access Map

Appendix C – Public Access Maps (1)	A696 Kenton Bar – Prestwick Roundabout
Appendix C – Public Access Maps (2)	A1 Highfields – Scottish Border
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Appendix C – Public Access Maps (13)	A19 Holystone – Killingworth

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Appendix D – Existing Structures

SCHEME	StructureK	StructureN	Structur_1	Subtype	Owner	NetworkSta	Road	Geographic	os_grid_re	os_grid_1
Kenton Bar - Prestwick Roundabout	STR_20142	/A696//48.20//	Newbiggin Dene Subway	Pedestrian Subway - Underbridge	Highways England	Trunk, Non Core	A696	Tyne And Wear	420540	568440
Kenton Bar - Prestwick Roundabout	STR_20144	/A696//47.40/Q/	Harey Dene Culvert	Large Culvert - Underbridge	Highways England	Trunk, Non Core	A696	Newcastle Upon Tyne	419980	568960
Kenton Bar - Prestwick Roundabout	STR_20146	/A696//46.30/Q/	Ouse Burn Culvert	Large Culvert - Underbridge	Highways England	Trunk, Non Core	A696	Tyne And Wear	419280	569760
Kenton Bar - Prestwick Roundabout	STR_20148	/A696//44.80/Q/	Prestwick Beck Culvert	Large Culvert - Underbridge	Highways England	Trunk, Non Core	A696	Tyne And Wear	418400	571090
Highfields - Scottish Border	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Sedbury Layby Footpath	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
South Charlton - North Charlton	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Scremerston - Oxford	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
J60 - J62	STR_5139	/A1(M)//542.00//	Broad Oak	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A1(M)	Durham	432290	531510
J60 - J63	STR_5140	/A1(M)//543.00//	Hope House	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A1(M)	Durham	432310	532050
J60 - J64	STR_5142	/A1(M)//545.00//	White House Accommodation	Accommodation Access Underbridge - Underbridge	Highways England	Trunk, Core	A1(M)	Durham	432140	534530
J60 - J65	STR_5143	/A1(M)//546.00//	Cornforth Railway (dismantled)	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A1(M)	Durham	431960	534760
J60 - J66	STR_5145	/A1(M)//547.00//	East Pasture Accom & Ry	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A1(M)	Durham	431300	535470
Little Burdon - Long Newton	STR_22088	A66//160.30/1	Sadberge Underpass No 2	Underpass Underbridge	Highways England	Trunk, Core	A66	Durham	434060	516490
Little Burdon - Long Newton	STR_8690	/A66//160.30//	Sadberge	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A66	Darlington	434200	516530
Little Burdon - Long Newton	STR_8691	/A66//159.20//	Sadberge Underpass	Accommodation Access Underbridge - Underbridge	Highways England	Trunk, Core	A66	Darlington	434060	516490
Little Burdon - Long Newton	STR_8693	/A66//159.10//	Little Burdon Underpass	Accommodation Access Underbridge - Underbridge	Highways England	Trunk, Core	A66	Darlington	432870	516420
Long Newton - Elton	STR_13846	/A66//164.00//	Long Newton Cattle Creep	Cattle Creep Underbridge - Underbridge	Highways England	Trunk, Core	A66	Stockton-On-Tees	437900	516590
Long Newton - Elton	STR_26257	/A66//163.50//	Long Newton	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A66	Darlington	437436	516276
Long Newton - Elton	STR_8695	/A66//165.90//	Elton Cattle Creep	Accommodation Access Underbridge - Underbridge	Highways England	Trunk, Core	A66	Stockton-On-Tees	439980	517430
Fisher Lane - Moor Farm	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Fairmoore - Warreners House	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Burgham - West Moor	STR_5635	/A1//488.80/Q/	Bockenfield (Original)	Large Culvert - Underbridge	Highways England	Trunk, Core	A1	Northumberland	417850	597330
Burgham - West Moor	STR_5636	/A1//488.80/Q/1	Bockenfield (1934 Ext)	Large Culvert - Underbridge	Highways England	Trunk, Core	A1	Northumberland	417850	597330
Holystone - Killingworth	STR_5595	/A19//191.30//	Holystone Roundabout Nth	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A19	Newcastle Upon Tyne	430560	570620
Holystone - Killingworth	STR_5597	/A19//191.70//	Moor View Underpass	Accommodation Access Underbridge - Underbridge	Highways England	Trunk, Core	A19	Newcastle Upon Tyne	430270	571000
Holystone - Killingworth	STR_5599	/A19//193.90//	West Farm	Highway Underbridge - Underbridge	Highways England	Trunk, Core	A19	Newcastle Upon Tyne	428740	572450