



Highways England Company Limited

Smart Motorways Alliance

SMA Scheme Scope

M25 J10-16 Constructionv1.0

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Section A: Scheme Client Requirements

Smart Motorway upgrade on the M25 J10 - 16 between junction 10 and junction 16.

The Smart Motorway shall include All Lane Running (ALR) between junction 15 and junction 16 including the conversion of the hard shoulder through junctions 11, 12 and 15 to give 4 lanes through those junctions

The Scheme will be provided in accordance with Interim Advice Note 161/15 (Smart Motorways) and revised by Major Projects Instruction 66MPI-66-052018 version 2 (issued 05/04/2019).

Section B: Scheme Scope

The Scheme Scope is to be delivered in conjunction with Volume 2.2 of the Alliance Contract, the Alliance Scope. The sections of the Alliance Scope are detailed below, the requirements of these sections are set out within Volume 2.2 of the Alliance Contract.

Scope Section	Description
S100	Description of the Works
S200	General Constraints
S300	Alliance's design
S400	Scheme handover
S500	Programme
S600	Quality Management
S700	Tests and inspections
S800	Management of the works
S900	Working with Others
S1000	Services and other things to be provided
S1100	Health and safety
S1200	Subcontracting
S1300	Title
S1400	Accounts and records
S1500	Commercial management
S1600	Transfer of rights
S1700	Information management
S2000	Project Bank Account (Y(UK)1)
S2100	Client's work specification

Below identifies the additional description of the works included in the Scheme Scope.

S100 Description of the Works

The M25 J10 - 16 now has the highest traffic flows on the Strategic Road Network (220,000 vehicles per day), resulting in frequent congestion and significant delay to road users. Nine of the ten busiest sections on the Strategic Road Network are in this area, and severe congestion is a regular occurrence. The road is essential to local people, to traffic between the south east and the rest of England and to those getting to and from our busiest airports. Junctions 15 to 16 is particularly problematic, having not been improved in over 20 years and being situated between two major arterial motorways (M40 and M4). Congestion seed points and incident delay are compounded by heavy weight of traffic which is consistently high throughout the day, such that capacity takes time to recover from relatively minor events. The section is also affected by strategic rerouting of traffic when the Dartford Crossing is severely congested.

Junction 10 to 16 runs through areas of the Metropolitan Green Belt and several urban / suburban areas that are immediately adjacent to the motorway. The route measures 31km, junction to junction, but the scheme extents also includes junction approaches. The entire length is currently enhanced by a Controlled Motorway system which provides queue protection and regulates traffic speeds, using Variable Mandatory Speed limits (VMSL) during routine congestion periods.

The scheme is wholly located in Highways England Area 5 (South-East Region).

Works will consist of the following elements, as required:

- Localised widening and collars at overbridge locations;
- Widened underbridges or parallel new structure (J15 - 16)
- Central reserve and verge drainage works;
- Modified junction merge and diverge layouts;

The scheme shall be designed to permit 60mph running through the roadworks where safe to do so.

The scheme scope includes works between junction 11 and junction 12 including (but not limited to), noise barrier, RCB in the central reserve, RRS in the verge, retaining walls, surface water channels and carrier drains in the central reserve, slot drains in

the verge, some re-surfacing of lane 4, dual span gantries, and radar detection throughout.

The Alliance should undertake the following activities associated with SGAR3.:

- Completion of PCF Stage 3 product actions required from AMAR in the interim SGAR3, based on an optimised solution as identified in Annex A.
- Any necessary preliminary design development and departures required to confirm the suitability of a non-widening solution for the M25 as an SGAR3 option, and
- Provision of the land products required at SGAR3 to support the development of PCF stage 3-5 design as identified in Annex A.

S200 General Constraints

The south west quadrant of the M25 and surrounding areas has several notable schemes either planned or underway to facilitate economic growth and ease congestion. In no particular order these include Heathrow Expansion, High Speed 2, Western Rail Link to Heathrow, M4 J3 - 12 Smart Motorway, M25 J10 - 16 smart motorway and the M25 Junction 10 improvement.

The scoping and programming of these schemes will require concerted effort and collaboration to ensure successful outcomes and minimise customer disruption.

- The incorporation of J10 through junction running into the M25 Junction 10 improvement scheme
- Integration with planned Heathrow expansion assuming planned Heathrow works are known.
- Longer term proposals emerging from M25 Southwest Quadrant Study may change long term strategy for M25, but should not impact the proposed scheme.
- Road space clashes with adjacent schemes including M4 J3 - 12 Smart Motorway

For the purposes of planning and programming of traffic management the Alliance will need to comply with embargo dates and the published event calendar for this area. When an embargo or event is in place, the Alliance should be looking to either complete works prior to the embargo or to lift them for the duration of the embargo period.

S225 Protection of existing structures and Services

The Scheme provides the location of existing structures and services within the Working Areas as follows:

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
	New Ham Viaduct				Underbridge
	New Ham Viaduct River Wey				Underbridge
	Woodham Lane				Underbridge
	The Bourne River				Underbridge
	Liberty Lane				Footbridge
	B3121 Church Road				Overbridge
	Chertsey I/C South				Overbridge
	Chertsey I/C North				Overbridge
	Green Lane				Overbridge
	Sandgates				Subway
	A320 Guildford Road				Underbridge
	Watery Lane Services				Underbridge
	Almners Road				Overbridge
	Lyne Railway				Overbridge
	St. Anns Hill				Overbridge
	M25 Slips South				Underbridge
	M3 Underbridge				Underbridge
	M25 Slips North				Underbridge
	The Bourne Watercourse				Underbridge
	B389 Green Road				Underbridge
	The Moat				Culvert
	Muckhatch Subway				Subway
	Redlands Service				Culvert
	Crabtree Accommodation				Overbridge
	New Wickham Lane				Overbridge
	Egham Subway				Subway
	Staines Railway				Underbridge
	Vicarage Road				Underbridge
	The Glanty				Underbridge

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
	Runnymere New & Old				Underbridges
	Wraysbury Road				Underbridge
	Staines I/C South				Underbridge
	Staines I/C North				Underbridge
	Staines - Wraysbury Railway				Underbridge
	Moor Lane				Underbridge
	Wraysbury River				Underbridge
	Poyle I/C South				Overbridge
	Poyle I/C North				Overbridge
	T5 Spur				Overbridge
	Poyle Channel				Underbridge
	Bath Road				Overbridge
	A4 Colnbrook By-pass				Overbridge
	M4 Langley-poyle				Overbridge
	M4 Hayes-denham				Overbridge
	Viaduct over M4				Overbridge
	Colne Brook Under M25				Underbridge
	Thorney Mill Road				Overbridge
	Western Region Railway				Underbridge
	Three Valleys				Underbridge
	Grand Union Canal				Underbridge
	Marina Way				Footbridge
	Colne Brook South				Underbridge
	B470 Iver Lane				Overbridge
	Palmer's Moor Lane Turnaround				Overbridge
	Delaford Manor Platform				Underbridge
	Colne Brook North				Underbridge
	A4007 Slough Road				Overbridge
	Alder Bourne				Underbridge
	Mansfield Farm				Overbridge
	A412 Denham Road				Overbridge
	Seven Hills Road				Overbridge
	South Links				Underbridge
	Alderbourne				Culvert

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
	M40 Overbridge				Overbridge
	Watercourse				Culvert

A complete list of the Statutory Undertakers and Utility Providers contacted is included in Table 2; those that may be affected are included in Table 3.

Table 2: C2 Statutory Undertakers Contacted

Statutory Undertakers/Utility Providers	Preferred Method of Contact
Affinity Water	AIT@affinitywater.co.uk
BT	https://www.swns.bt.com/pls/mbe/welcome.home
Buckinghamshire County Council	tfb@buckscc.gov.uk
CenturyLink Communications UK Limited	plantenquiries@instalcom.co.uk
CityFibre	asset.team@cityfibre.com
Colt	plantenquiries@catelecomuk.com
Energetics Electricity	plantenquiries@energetics-uk.com
ENGIE	nrswa@cofely-gdfsuez.com
GTC	https://pe.gtc-uk.co.uk.uk/plantengmembership
Interoute	Interoute.enquiries@plancast.co.uk
KPN (Instalcom)	Kpn.plantenquiries@instalcom.co.uk
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com
Network Rail	OPBuriedServicesEnquiries@networkrail.co.uk
Scottish and Southern Energy (SSE)	asset.data@sse.com
Sky UK Limited	nrswa@sky.uk
SOTA	Sota.plantenquiries@instalcom.co.uk
Telent Teliasonera	Telentelia.plantenquiries@telent.com
Thames Water	http://www.digdat.co.uk
Trafficmaster	plantenquiries@trafficmaster.co.uk
Utility Assets Ltd	assetrecords@utilityassets.co.uk
Verizon Business	assetrecords@assets.co.uk
Virgin Media	http://www.digdat.co.uk
Vodafone	osm.enquiries@atkinsglobal.com
Vtesse Networks	https://plant.interoute.com/plant-enquiries
SGN	plantlocation@sgn.co.uk
UKPN	Plans@ukpowernetworks.co.uk
National Grid Gas (Above 2 and 7 bar), and National Grid Electricity Transmission	plantprotection@cadentgas.com
ESP Utilities Group	PlantResponses@espug.com
Zayo Group	ZayoPlantEnquiries@jsmgroup.com

Statutory Undertakers/Utility Providers	Preferred Method of Contact
CLH Pipeline System Ltd	CLHPipelinesystem@fishergerman.co.uk
Esso Petroleum Company Limited	pipelines@fishergerman.co.uk
Windsor and Maidenhead Royal Borough Council	streetcare@rbwm.gov.uk
BPA	lands@bpa.co.uk

To determine whether existing Statutory Undertakers apparatus is evident within the proximity of the proposed works, a location plan, depicting the area of the scheme with corresponding grid coordinates was issued with the C2.1 preliminary enquiry. The Statutory Undertakers who believe their apparatus may be affected have provided maps indicating the general position and nature of apparatus from their records. In order to track responses a comprehensive list of all the Statutory Undertakers are included in Table 3.

C2 responses were received from all statutory undertakers to whom enquiries were made, except the following: -

- Buckinghamshire County Council
- Vtesse Networks

With the exception of Vtesse Networks, further requests were made to the above Statutory Undertakers during DF3, however, no further responses have been received.

BPA responded and noted that their apparatus may cross the M25 and requested a site meeting to discuss further. This site meeting has not yet taken place and should be actioned early during the DF4 design stage.

The information received has been examined thoroughly to determine whether existing utility apparatus would or could impact the scheme proposals. It was assumed that all works would be carried out within the highway boundary to reduce the possible impact on statutory undertakers' apparatus. Where apparatus was identified as likely to be affected, particularly where there is evidence that main pipelines / apparatus cross the carriageway or run in close proximity to the highway boundary, suppliers were consulted through the C3 stage process. This was to establish details of the effect on

their apparatus, including an indication of any special requirements and budgetary estimates that may likely arise from any such works.

Table 3: M25 J10 - 16 - C2 Statutory Enquiries

Utility Company	Category	Affected		Comments
		Y	N	
Affinity Water	Water	x		Potential Impacts at Ch 15+100, Ch 33+130, Ch 34+720, Ch37+770 Ch 37+1770 Abandoned water main
BT	Telecoms	x		Underground Telecoms at Ch16+000 and 35+100 require further investigation. Overhead Telecoms at Ch38+400, advance notice required and further investigation Cables present in over/underbridges but should not be affected by the works
Buckinghamshire County Council	Other (Local Authority Assets)			No response (re-requested during DF3 and C3 stage)
CenturyLink Communications UK Limited	Telecoms	x		Apparatus possibly affected. Unclear of the location from information provided. Further clarification was requested during DF3 stage of design.
CityFibre	Telecoms	x		Apparatus possibly affected. Unclear of the location from information provided. Further clarification was requested during DF3 stage of design.
Colt	Telecoms, Fibres	x		Apparatus possibly affected. Unclear of the location from information provided. Further clarification was requested during DF3 stage of design. There appears to be a duct running across an overbridge at Richings Way.
Energetics Electricity	Gas, Electric		x	No Statutory Undertakers apparatus within scheme extents.
ENGIE	Gas, Electric		x	No Statutory Undertakers apparatus within scheme extents.
GTC	Gas, Electric, Water		x	No Statutory Undertakers apparatus within scheme extents.
Interoute	Telecoms		x	No Statutory Undertakers apparatus within scheme extents.
KPN (Instalcom)	Telecoms		x	No Statutory Undertakers apparatus within scheme extents.
Mobile Broadband Network Limited	Telecoms	x		Apparatus possibly affected within the scheme extents. There is an existing telecommunication mast within the vicinity of our works at M25 J14 close to Marker

Utility Company	Category	Affected		Comments
		Y	N	
				Post: M25A93.3 Bath Road, Argonaut Park, Colnbrook. Further consultation and review required during DF3 stage of design
Network Rail	Other (Rail Infrastructure)	x		A number of Network Rail tracks cross the M25 along the scheme extents. Network Rail apparatus including overhead power lines cross the route via under or overbridges and further consultation should be undertaken if it is felt that the scheme will impact the network. To review during DF3.
Scottish and Southern Energy	Gas, Electric	x		Apparatus cross the M25 along the scheme extents. Some of these appear to be near under or overbridges but should not be affected. However, several appear to cross under the motorway. Further consultation is required.
Sky UK Limited	Telecoms	x		Apparatus cross the M25 along the scheme extents. These appear to be mainly at under or overbridges and should not be affected by the works, however further consultation should be undertaken if working close to these locations
SOTA	Other		x	No Statutory Undertakers apparatus within scheme extents.
Telent (Teliasonera)	Telecoms		x	No Statutory Undertakers apparatus within scheme extents.
Thames Water	Water, Sewerage	x		Surface Water sewerage crossing at under or overbridges.
Trafficmaster	Telematics, Telecoms		x	No Statutory Undertakers apparatus within scheme extents.
Utility Assets Ltd	Electric		x	No Statutory Undertakers apparatus within scheme extents.
Verizon Business	Telecoms		x	No Statutory Undertakers apparatus within scheme extents.
Virgin Media	Telecoms	x		Apparatus cross the M25 along the scheme extents. These appear to be by under or overbridges and should not be affected by the works, however further consultation should be undertaken if working close to these locations.
Vodafone	Telecoms	x		Apparatus cross the M25 along the scheme extents. These appear to be near under or overbridges and should not be affected by the works, however further consultation should be undertaken if working close to these locations.

Utility Company	Category	Affected		Comments
		Y	N	
Vtesse Networks	Telecoms, Fibres			Fees required for initial C2 request HE to advise.
SGN	Gas	x		Apparatus possibly affected. Unclear from provided plans of their location. Further clarification was requested during DF3 stage of design.
UKPN	Electric	x		STAT present.
National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Gas, Electric	x		National Grid apparatus cross the M25 at various locations along the scheme extents. Some of these appear to be near under or overbridges and should not be affected. However, several appear to cross under the motorway. Further consultation is required.
ESP Utilities Group	Electric	x		Apparatus possibly affected. Unclear of the location from information provided. Further clarification was requested during DF3 stage of design.
Zayo Group	Telecoms, Fibres	x		Duct crossings at under or overbridges and care should be taken when working at these locations.
CLH Pipeline System Ltd	Petroleum	x		Pipe line crosses M25. Notice required for any ground works or excavation in the locality.
Esso Petroleum Company Limited	Petroleum	x		Pipe line crosses M25. Notice required for any ground works or excavation in the locality.
Windsor and Maidenhead Royal Borough Council	Other (Local Authority Assets)		x	No Apparatus affected.
BPA	Petroleum, Gas	x		Pipe line crosses M25 close to the Colnbrook By Pass Underbridge. Further consultation required.

S305 Design Responsibilities

The Alliance undertakes all design activities in accordance with the Alliance Scope and the Scheme Scope.

The Alliance undertakes all design activities associated with PCF Stages 3 to 5. Outline design activities undertaken prior to the Alliance Scope are not to be relied upon. Should the Alliance Partners choose to utilise outline design undertaken in prior PCF Stages, to inform the detailed design, they will be considered to have verified the adequacy of the proposed outline design, and taken responsibility for the outline design.

Where any changes are made by the Alliance Partners after outline design, the Alliance Partners need to ensure these changes are reflected in previous PCF stage assessments, or the Alliance Partners will need to undertake any necessary re-assessments where required.

S320 Design submission procedures and acceptance criteria

The Alliance develops the design in accordance with standards and associated amendments as detailed in the Implementation Report for New Standards HE551532-AMAR-GEN-NLA-RP-ZX-000001. These agreements shall prevail over the requirements of the S2100. The Alliance will undertake an impact assessment to assess the implications of full compliance with the S2100 and make a recommendation to the Alliance Board detailing which changes should / should not be adopted.

S502 Scheme Programme Requirements

The following summarises the Milestone Key Dates for inclusion in the programme and the performance table as detailed in the Implementation plan.

Milestone Key Date	Date
SGAR 5	31/07/2022
Start of Works	31/07/2022
Road Open for Traffic (OfT)	30/09/2025
Stage Gate Assessment Review 6 (SGAR6)	31/12/2025

Completion excluding landscaping and ecology	31/12/2025
Stage Gate Assessment Review 7 (SGAR7)	31/12/2026
Independent Assurance Review 5a	To be determined by the Alliance with regional sponsor

S665 Risk Management

The following matters will be included in the Early Warning Register;

- 1 - Complexity of structure in the Central Reserve Western Region underbridge
- 2 - Delay in Construction mobilisation
- 3 - Lack of available space for piling equipment for proposed gantry structure.
- 4 - Asset condition encountered during construction is worse than expected, with gaps in existing asset information, leading to additional design and construction.
- 5 - Productivity of critical activities - drainage and earthworks

Section C: Allocation of Scheme Scope between Alliance Partners

S120 Core Responsibilities of the members of the Alliance

S120A Production Management Partner

1. The Production Management Partner is responsible for
 - a. leading the integration of the members of the Alliance in the Production Hub to deliver the outcomes of the Production Hub including
 - integration of the Partners' resources in the Alliance,
 - programme management office,
 - supply chain management,
 - technology and information management,
 - scheduling,
 - people strategy,
 - commercial management,
 - governance and risk management,
 - quality management and assurance, and
 - business change, and
 - b. investing in the capability and competence development of the *Client*.

S120B Digitally Enabled Design Partner

2. The Digitally Enabled Design Partner is responsible for
 - a. the outline and detailed civil engineering design of the *works* in accordance with S2100*Client's* work specification,
 - b. the principal designer role for the Schemes for which they are instructed in accordance with CDM Regulations,
 - c. maximising the use of the *Client's* Rapid Engineering Model (REM), digital design solutions including Building Information Modelling (BIM) and running digital rehearsals,

- d. design knowledge management and promoting industry practice,
- e. providing capability and capacity to the Production Hub, and
- f. providing contingency in circumstances where a Digitally Enabled Design Partner is terminated.

S120C On-site Assembly Partner

- 3. The On-site Assembly Partner is responsible for
 - a. the management and delivery of the construction of the *works* in accordance with S2100*Client's* work specification,
 - b. the principal contractor role for the Schemes for which they are instructed in accordance with CDM Regulations,
 - c. site level mobilisation, engineering and performance control,
 - d. on-site assembly of assets,
 - e. the installation, testing and commissioning of any infrastructure as part of handover to the *Client*,
 - f. providing capability and capacity to the Production Hub, and
 - g. providing contingency in circumstances where an On-site Assembly Partner is terminated.

S120D The *Client* as a member of the Alliance

- 4. The *Client* as a member of the Alliance is responsible for
 - a. playing an active role in the delivery of the SMP from within the Alliance in an integrated manner,
 - b. providing capability and capacity to the Production Hub, the delivery hubs and improve its own capability over the duration of the contract,
 - c. providing the services outlined in S1010*Services* and other things to be provided by the *Client*, and
 - d. providing contingency in circumstances where the Production Management Partner is terminated.

KEY:

- **Responsible** - The Lot Partner(s) responsible for delivering the activities as defined in the Alliance Scope
- **Support** - The Lot Partner(s) support the delivery of the requirements as defined in the Alliance Scope

The Alliance as a whole remains responsible for delivering the Scheme.

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2 Jacobs	Lot 3 Balfour Beatty
SECTION A: LOT SCOPE				
S100 Description of the works				
S105 Introduction to Highways England				
S110 Introduction to the Smart Motorways Programme				
S115 The structure of the Alliance	R	R	R	R
S116 Alliance Objectives	R	R	R	R
S120 Core responsibilities of the members of the Alliance	S	R	R	R
S120A Production Management Partner		R		
S120B Digitally Enabled Design Partner			R	
S120C On-site Assembly Partner				R
S120D The Client as a member of the Alliance	R			
S130 Agile responsibilities of the members of Alliance				
Scoping of surveys				
Asbestos	S	S	R	S
Communications	S	S	R	S
Condition	S	S	R	S
Drainage and ducting	S	S	R	S
Environmental and ecology (e.g. protected species)	S	S	R	S
Lighting	S	S	R	S

Noise	S	S	R	S
Pavement	S	S	R	S
Structures and geotechnical	S	S	R	S
Topographical	S	S	R	S
Carrying out of surveys				
Asbestos	S	S	S	R
Communications	S	S	S	R
Condition	S	S	S	R
Drainage and ducting	S	S	S	R
Environmental and ecology (e.g. protected species)	S	S	S	R
Lighting	S	S	S	R
Noise	S	S	S	R
Pavement	S	S	S	R
Structures and geotechnical	S	S	S	R
Topographical	S	S	S	R
Preliminary design				
Gantries, structures and bridges	S	S	R	S
Noises and environmental barriers	S	S	R	S
Piling and foundations	S	S	R	S
Power and lighting	S	S	R	S
Retaining walls	S	S	R	S
Technology and communications	S	S	R	S
Detailed design				
Gantries, structures and bridges	S	S	R	S
Noises and environmental barriers	S	S	R	S

Piling and foundations	S	S	S	R
Power and lighting	S	S	R	S
Retaining walls	S	S	S	R
Technology and communications	S	S	R	S
Traffic management	S	S	S	R
Development of as-built records	S	S	S	R
Purchase and provision of				
Technology	R	S	S	R
Traffic management	R	S	S	R
Any other products and services called off from CCS and other Client framework contracts	R	S	S	R
Consent and administrative activities				
Statutory and consent management (e.g. Statutory instruments, Statutory Undertakers, Distribution Network Operators (DNOs))	S	S	R	S
Environmental assessment	S	S	R	S
Customer service and external stakeholder management	S	S	S	R
Setting up and administering of PBAs	S	R	S	S
Supporting SMP delivery (e.g. Red-X campaign)	S	R	S	S
Production activities				
Logistics	S	S	S	R
Promoting use of off-site manufacture and standardisation	S	S	S	R

Continuous improvement and innovation	S	R	R	R
SECTION B: GENERAL REQUIREMENTS				
S200 General constraints				
S201 Alliance behaviours	R	R	R	R
S202 Parent Company Guarantee	S	R	R	R
S203 Conflict of interest	S	R	R	R
S204 Anti Bribery and Anti-Fraud	S	R	R	R
S205 Data Protection	S	R	R	R
S208 Official Secrets Acts	S	R	R	R
S210 Confidentiality	S	R	R	R
S211 Insurance	S	R	R	R
S215 Security and protection of the Site	S	S	S	R
S220 Security and identification of people	S	R	R	R
S225 Protection of existing structures and services	S	S	S	R
S230 Cleanliness of roads	S	S	S	R
S240 Network occupancy	S	S	S	R
S241 Recovery services	S	S	S	R
S245 Condition survey	S	S	R	S
S250 Considerate Constructor Scheme	S	S	S	R
S251 Customer service	S	R	R	R
S256 Project Control Framework	S	R	R	R
S266 Energy Efficiency Directive	S	R	R	R
S267 Environmental requirements	S	S	S	R

S268 Aftercare / Management of landscape works	S	S	S	R
S269 Site Waste Management plan	S	S	S	R
S270 Sustainable development requirements	S	S	S	R
S272 Air Quality Strategy	S	S	S	R
S274 Discrimination, bullying and harassment	S	R	R	R
S275 Equality, diversity and inclusion	S	R	R	R
S276 Employment and skills	S	R	R	R
S300 Design	S	S	R	S
S305 Design responsibilities	S	S	R	S
S310 Design criteria	S	S	R	S
S320 Design submission procedures and acceptance criteria	S	S	R	S
S325 Design approval from Others	S	S	R	S
S400 Scheme handover				
S405 Scheme Open for Traffic	S	S	S	R
S410 Scheme handover	S	S	S	R
S415 Scheme Completion	S	S	S	R
S445 Documents	S	S	S	R
S450 Access to information following Completion	S	S	S	R
S500 Programme				
S501 Alliance programme requirements	S	R	R	R

S502 Scheme programme requirements	S	R	R	R
S515 Scheme programme quality	S	R	R	R
S520 Methodology statement	S	R	R	R
S525 Revised Alliance programme	S	R	R	R
S535 Earned value management and reporting	S	R	R	R
S600 Quality Management	S	R	R	R
S605 Alliance aligned/integrated management system	S	R	R	R
S610 Lean	S	R	R	R
S615 Quality planning	S	R	R	R
S620 Authorised persons with adequate skills, knowledge and experience and training	S	R	R	R
S625 Quality reviews	S	R	R	R
S626 Audits	S	R	R	R
S630 Registers	S	R	R	R
S640 Non-conformity corrective action reports	S	R	R	R
S645 Quality indicators	S	R	R	R
S650 Deliverables	S	R	R	R
S655 Alliance management review	S	R	R	R
S660 Quality management points	S	R	R	R
S665 Risk management	S	R	R	R
S700 Tests and inspections	S	S	S	R
S800 Management of the works				

S810 Communications	S	S	S	R
S820 Disclosure requests	S	R	R	R
S825 Information security	S	R	R	R
S835 Business Continuity	S	R	R	R
S900 Working with Others	S			
S905 Requirements of Others	S	R	R	R
S920 Utilities providers	S	R	R	R
S1000 Services and other things provided				
S1010 Services and other things to be provided by the Client as a member of the Alliance	R	S	S	S
S1100 Health and Safety				
S1105 Supply chain health and safety maturity matrix	S	R	R	R
S1107 Alliance's health and safety management system	S	R	R	R
S1108 Subcontractor's health and safety management systems	S	R	R	R
S1111 Action to rectify breaches	S	R	R	R
S1112 Health and safety culture	S	R	R	R
S1113 Health and safety – exchange of information	S	R	R	R
S1114 Asbestos	S	S	S	R
S1115 Health and safety advice	S	R	R	R
S1116 Health and safety inspections	S	R	R	R
S1117 Health and safety in construction	S	S	S	R

S1118 Incident investigation, reporting and follow-up	S	R	R	R
S1119 Incident statistics	S	R	R	R
S1121 Health and safety management audit	S	R	R	R
S1122 CDM compliance	S	S	R	R
S1123 Health and safety – charity-based incentive Schemes	S	R	R	R
S1125 Management of road risk	S	S	S	R
S1127 Substance abuse	S	R	R	R
S1128 Security	S	R	R	R
S1129 Employee safety	S	R	R	R
S1130 Fleet Operator Recognition Standard (FORS) Accreditation	S	S	S	R
S1131 Driving for better business	R	R	R	R
S1200 Subcontracting	S	R	R	R
S1205 Restrictions or requirements for subcontracting	S	R	R	R
S1210 Acceptance procedures	S	R	R	R
S1300 Title				
S1305 Marking	S	S	S	R
S1400 Accounts and records	S	R	R	R
S1415 Form of documents to be retained	S	R	R	R
S1420 Records and audit access	S	R	R	R
S1425 Retention of records	S	R	R	R

S1500 Commercial Management				
S1505 Provision of cost information	S	R	R	R
S1510 Provision of price information	S	R	R	R
S1515 Cost verification	S	R	R	R
S1520 Invoicing	S	R	S	S
S1525 Forecasting	S	R	S	S
S1530 Earned value for assessment	S	R	S	S
S1600 Transfer of Rights				
S1605 Alliance rights over material prepared for the design of the works	S	R	R	R
S1610 Other rights to be obtained by the Alliance	S	R	R	R
S1700 Information management (Option X10)	S	R	R	R
S1705 Information management requirements	S	R	R	R
1S2000 Project Bank Account (Option Y(UK)1)				
S2010 Project Bank Account tracker	S	R	R	R
S2100 Client's work specification	S	R	R	R
S2110 Drawings	S	R	R	R
Annex A Reference documents				
Annex B Form of Parent Company Guarantee	S	R	R	R
Annex C Insurance Tables	S	R	R	R
Annex D Alliance Inclusion Action Plan	S	R	R	R
Annex E Alliance Employment and Skills Plan	S	R	R	R

Annex F Special activities and requirements	S	S	R	S
Annex G Continuous improvement/lean minimum requirements	S	R	R	R
Annex H Quality improvement process	S	R	R	R
Annex I Subcontractor Warranty	R	R	R	R
Annex J Information management requirements	S	R	R	R

Annex A PCF Products SGAR 3

PCF Products SGAR 3

Assumptions

1) Completion of Interim SGAR 3 Consultation Actions (17 actions from AMAR in Interim_SGAR3_Certificate Review tab)

17 No. Products requiring actions Include;

- Safety Plan (Requires Operational Safety Input)
- Combined Safety and Hazard Log Report (Requires Operational Safety Input)
- Change Request Form
- Certificate of Compliance with MPI-31 (Operations TLG)
- Centralised procurement of Roadside Infrastructure
- EIA Screening (Determination)
- Environmental Scoping Report
- Environmental Assessment Report / Environmental Statement
- Environmental Management Plans
- Project Design Report
- Staged Overview of Assessment Report
- Risk Register
- Lessons Learnt Log
- Early Structures Notification Form Checklist
- Structures Options Report Checklist
- Approvals in Principle Checklist
- Departures from Standards Checklist

2) Production of 8 products for land/orders highlighted in yellow below:

	Statutory Instrument and Explanatory Memorandum (SM Only)
Orders (Highways Act 1980)	Highways Act 1980 Orders
	Compulsory Purchase Order
	Highways Act 1980 Orders – Notices, Adverts & Letters
	Compulsory Purchase Order – Notices, Adverts & Letters
	Exchange Land Certificates & Planning Consents
	Draft Orders Exhibition Checklist
	Strategy for Exercising Compulsory Acquisition Powers
	Exercise of compulsory acquisition powers (outsourced) Checklist
	Land - Gaining Access For Surveys
	Planning Statement
Information and Justification to support Compulsory Purchase	

3) Submission of Key Departures only:

- 3 No. Cross-section departures
- 4 No. Setback Departures
- 2 No. SSD Departures

4- Assumes the HE outstanding actions (26) will still be completed by HE as per Interim_SGAR3_Certificate tab

