



Highways England Company Limited

Smart Motorways Alliance

Scheme Scope v1.0

M6 J21a-26

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Section A: Scheme Client Requirements

Smart Motorway upgrade on the M6 between junction 21a (M62 Croft interchange) and junction 26 (Wigan).

The Smart Motorway shall include All Lane Running (ALR). Through Junction Running (TJR) will be implemented at all junctions (in both directions), with the exception of both M6 J21a and J26.

1. The Scheme will be provided in accordance with Interim Advice Note 161/15 (Smart Motorways) and revised by Major Projects Instruction 66 MPI-66-052018 version 2 (issued 05/04/2019) with the following amendments.
 - Provision of Emergency Areas: The requirement outlined in MPI 66 version 2 for surfacing, lining and signage only.
 - Excluding Stopped Vehicle Detection as stipulated by MPI 66 version 2.
 - Emergency Roadside Telephones (ERTs) co-located within each EA and throughout the CM sections to align with existing standards of provision.
2. The Alliance is to provide 12 months of air tube monitoring at Moss Brow, Martinscroft.
3. The Alliance must obtain written approval from the Client before commencing any non-reversible construction works.

Section B: Scheme Scope

The Scheme Scope is in accordance with Volume 2.2 of the Alliance Contract, the Alliance Scope. The sections of the 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 10-mile section of the M6 between J21a (M62) and J26 (M58) is close to Warrington and Wigan in Cheshire and Greater Manchester. It is of strategic importance for local, regional and international traffic and is part of the Trans European Road Network. It is a key strategic route for both North/South freight traffic and for freight travelling between the Port of Liverpool and Greater Manchester. The scheme is the northern most section of smart motorway planned for the M6, with junctions 16 to 19, to the south, already constructed and providing D4M all lane running. Junction 19 to 20 is part of a triangle of the M56 and A556 (currently D3M) and J20 to 21A (currently D4M). The scheme scope includes the necessary tie in works at the terminal Junctions 21a and 26 as follows:-

Junction 21a

Works associated with the smart motorway which ties in to the existing motorway at Junction 21a of the M6. The works are contained between chainages 39,600 and 39,850 and include the replacement of steel barrier and drainage within the verges at certain locations, new lighting columns, retaining walls and VMS gantries and associated technology on the slip roads.

Junction 26

Works associated with the smart motorway which ties in to the existing motorway at Junction 26 of the M6. The works are contained between chainages 55,825 and 56,000 and include the replacement of the central reserve barrier and associated works between chainages 55,825 and 55,857, mill and inlay to Lanes 1 and 4, new lighting columns, reconstruction of J26 slip roads at the junction and batter stabilization in the verge

S200 General Constraints

The M6 between Junctions 20 and 21A is one of the busiest sections of the route and suffers from congestion and delay in both directions during peak periods. Here traffic joins the route from the major conurbations of Manchester and Liverpool as well as from much of North Cheshire and North Wales. Junction 20 is where the M56 motorway (serving North Cheshire, South Manchester and North Wales) meets the M6. The M62 motorway (serving Merseyside, North Manchester and other Trans-Pennine destinations) meet the M6 at Junction 21A. This section also carries some of the highest HGV loadings in the whole corridor.

Moving north to Junction 21A to 23, peak hour speeds are 51-60 mph and fall within the top 20% of vehicle hours delay across the network. Further north between J24 and J25 there is a particular peak time stress with a 40-50% probability of congested flow.

Significant economic growth, with planned commercial and residential development, is predicted for Warrington, Wigan and St. Helens, which will only exacerbate the congestion issues without the additional capacity being added by the planned smart motorway improvements. The increased congestion on the M6 in this location would have knock-on effects for the M62, causing strategic and regional issues, whilst also impacting on the local road network.

The whole scheme length falls within Local Authority Designated Air Quality Management Areas (AQMAs), and the draft EAR identified significant forecast air quality exceedances for the scheme in one location (Moss Brow, Martinscroft)

Three residential properties at Nicol Avenue, Martinscroft are being purchased by agreement as essential air quality mitigation. These properties and associated area footprint are considered as part of the Proposed Scheme. These properties will be demolished, and 1 single storey detached dwelling erected. All these activities will be completed under the CDF.

The programming of the scheme, and network occupancy management system arrangements, will require effective collaboration with other schemes within the NW programme. The scheme cannot always assume priority for road space bookings and TM plans, closures and diversion routes should be coordinated with other schemes within the NW, to ensure successful outcomes and minimise customer disruption. Accordingly, significant scope and timescale decisions on individual schemes cannot be taken without due consideration to the assumptions made by and impacts upon other schemes.

The following legally protected species have been recorded or habitats are present within the Proposed Scheme which may support roosting bats, great crested newts, reptiles, badger and breeding birds. The scheme passes close to the Manchester Mosses Special Area of Conservation (SAC) at junction 21a and the Highfield Moss SSSI is 850m east of M6 between J22 and 23. Potential requirement for an environmental statement (amber risk). A 50m strip either side of the M6 for the majority of its length from J21a to 26 has been designated an AQMA in relation to elevated Nitrogen Dioxide levels mainly caused by traffic emissions. Estimated that adverse camber on hard shoulder exists for approximately 35% of scheme.

Priority outfall analysis identified significant effects from the scheme for several drainage networks/outfalls, and mitigations for these will be implemented as part of core scope.

There is also an identified water pollution risk along the length of the scheme and Designated Funds were secured to examine potential improvements to priority outfalls. This identified several priority outfalls for potential improvement/rectification these are currently out of scheme scope and separate Designated Funding will be applied for to undertake the design and implementation at these locations.

Traffic management plans will need to be developed to consider the cumulative impacts alongside other schemes on neighbouring strategic routes.

There will also be the requirement to agree any OD funded renewals to be incorporated within the scheme following completion of the dilapidation surveys and affordability of the application of renewal principles agreed in the MoU during Stage 3.

S225 Protection of Existing Structures and Services

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
4151	Hop Pole (M62 Over M6)	10/M62//29.40//	363140	392280	O/B
2582	Sandsfield South	10/M62/ES/29.40//7	362790	392630	O/B
2583	Sandsfield North	10/M62/WN/29.40//8	362740	392690	O/B
2584	Copice Pit	M6//307.6//	362700	392730	O/B
15731	Cockshot Brook Culvert	M6//307.7//Q	362660	392750	Culvert
2585	Southworth Hall	M6//307.4//	362040	393280	O/B
2587	Mouth South - J22 A579	22/M6//309.30//	361340	393810	O/B
2588	Mouth North - J22 A579	22/M6//309.40//	361280	393890	O/B
2589	Parkside Road - A573	M6//310.10//	360910	394500	O/B
2590	Lowton Railway	M6//311.30//	360130	395430	U/B
2591	A572 Southworth Road - Water Tower	M6//311.6//	360000	395650	U/B
2592	Mere Hough Railway	M6//311.60//	359980	395690	U/B
2593	Newton Lake	M6//312.20//	359620	396080	Culvert
2594	Rob Lane	M6//312.60//	359210	396300	U/B
2595	King Coppice	M6//313.80//	358240	396930	U/B
2596	Lodge Lane Viaduct	23/M6//314.20//	358040	397360	U/B
2597	A599 Penny Lane / Beeches	M6//314.70//	357810	397800	U/B
2598	Townfield End Railway	M6//315.30//	357460	398280	U/B
2599	New Hall Footbridge	M6//315.50//	357370	398370	O/B
2600	A58 Liverpool Road / Ashton	24/M6//316.40	356790	399090	O/B
2601	Ashton Home Farm	M6//316.80	356620	399500	O/B
25693	Skitters Grove Culvert	M6//316.90/Q	356625	399537	Culvert
2602	Low Bank Road	M6//317.10//	356570	399740	O/B
2603	North Ashton Railway	M6//317.40//	356540	400080	O/B
2604	B5207 - Downhall Green Road	M6//318.10//	356360	400730	O/B
2605	Brocstedes (for J25)	25/M6//318.60	356080	401210	U/B

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
2608	Doe Ridings (Slip Road)	25/M6(S)//318.60//2	356390	401580	O/B
2607	Drummers Lane / Brocstedes Road	M6//318.90//	355900	401370	O/B
20719	Shaft New Footbridge	M6//319.20//	355600	401550	O/B
18529	Hawkey Brook Culvert	M6//309.60/Q/	355250	401760	Culvert
2610	Sandyforth Subway	M6//319.80//	355040	401830	U/B
2611	A571 Pemberton Road / Slacky Brow	M6//320.50//	354490	402070	O/B
2612	Hall Lane / Atherton Farm	M6//322.30//	353800	403760	U/B
2613	Winstanley Park Railway	M6//322.60//	353790	404030	U/B
18526	Smithy Brook Culvert	M6//322.90/Q	353790	404220	Culvert
2614	Edgewood Hall (for J26 M58)	26/M6//323.00//	353830	404460	U/B
2615	A577 Orrell Post	M6//323.50//	353900	404910	O/B
23204	EG3	M6//322.80/V/	353820	404226	Cantilever
23202	EG4	M6//322.10/V/	353831	403526	Cantilever
23199	EG5	M6//320.50/V/1	354454	402100	Cantilever
23197	EG6	M6//318.90/V/1	355853	401420	Cantilever
23195	EG7	M6//317.90/V/	356449	400539	Cantilever
23192	EG9	M6//316.60/V/	356706	399284	Cantilever
23190	EG10	M6//315.80/V/	357111	398631	Cantilever
23188	EG11	M6//314.50/V/	357950	397578	Cantilever
23186	EG12	M6//313.50/V/	358508	396750	Cantilever
23184	EG13	M6//312.40/V/	359405	396209	Cantilever
23182	EG14	M6//311.10/V/	360237	395229	Cantilever
TBC	EG14_1	TBC	360567	394856	Cantilever
23703	EG15	M6//309.50/V/	361214	393983	Cantilever
23702	EG16	M6//308.50/V/	361957	393535	Cantilever
11785	EG17	21A/M6//308.00/S/	362412	392986	Portal
12408	EG18	21A/M6//307.40/S/	362811	392629	Portal
12406	EG19	21A/M6//306.70/S/	363258	392180	Portal

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
20706	EG36	M6//306.00/S/1	363760	391592	Portal
20755	EG37	M6//305.10/S/	364396	390862	Portal
20754	EG38	M6//304.20/S/	365148	390332	Portal
20753	EG39	M6//303.60/S/	365567	389977	Portal
20750	EG40	M6//303.00/S/	365979	389521	Portal
20702	EG41	M6//303.10/S/	365839	389653	Portal
20703	EG42	M6//304.10/S/	365197	390278	Portal
23700	EG43	M6//304.80/V/	364495	390737	Cantilever
20704	EG44	21A/M6//305.20/S/	364320	390899	Portal
23701	EG45	M6//305.40/V/	364105	391120	Cantilever
12404	EG46	21A/M6//305.70/S/	363910	391374	Portal
20761	EG47	M6//306.30/S/	363545	391814	Portal
TBC	EG48	TBC	363261	392131	Portal
12409	EG20	21A/M6//307.20/S/	362962	392445	Portal
22735	EG21	21A/M6//308.00/V/2	362436	392887	Cantilever
22734	EG21_1	21A/M6//308.00/V/1	362437	392928	Cantilever
23157	EG21_2	M6//308.60/V/	361860	393390	Cantilever
23159	EG22	M6//309.30/V/1	361344	393783	Cantilever
23179	EG23	M6//310.00/V/	360926	394439	Cantilever
23181	EG24	M6//311.00/V/	360295	395083	Cantilever
23183	EG25	M6//312.00/V/	359741	395935	Cantilever
23185	EG26	M6//312.80/V/	359058	396370	Cantilever
23187	EG27	M6//314.10/V/	358076	397203	Cantilever
23189	EG28	M6//315.10/V/	357587	398090	Cantilever
23181	EG29	M6//316.10/V/	356895	398861	Cantilever
23194	EG30	M6//317.00/V/	356540	399707	Cantilever
23196	EG31	M6//318.30/V/	356228	400942	Cantilever
23198	EG32	M6//319.50/V/	355233	401708	Cantilever
23200	EG33	M6//320.80/V/	354218	402280	Cantilever

Structure Key.	Structure Name	Structure Number	Easting	Northing	Type
23201	EG34	M6//321.60/V/	353892	403017	Cantilever
23203	EG35	M6/322.70/V/	353783	404146	Cantilever

S305 Design Responsibilities

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

In accordance with Clause Z19.4, the Responsible On-site Assembly Partner is responsible for any design works that have already been completed by Others in PCF Stages 0-5 that are used to deliver the Client Scheme Requirements and the Scheme Scope. The Responsible On-site Assembly Partner will be deemed to have verified the adequacy of the completed works and all such work is treated for the purposes of the contract as having been carried out by the Responsible On-site Assembly Partner.

Where any changes are made to works already completed by Others, the Responsible On-Site Assembly Partner needs to ensure these changes comply with the previous PCF stage assessments, or the Responsible Partner will need to undertake any necessary re-assessments where required.

S320 Design submission procedures and acceptance

The Alliance develops the design in accordance with standards and associated amendments as detailed in the Implementation Report for New Standards HE549339-ACM-GEN-M6_GEN_ZZ_ZZ-RP-ZQ-0001 and HE549339-ACM-GEN-ZZ_ZZ_ZZ_ZZ-RP-DM-0005. 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
Start of Works (SOW)	31/03/2021
Road Open for Traffic (OfT)	31/03/2023
Stage Gate Assessment Review 6 (SGAR6)	30/06/2023
Completion (excluding landscape aftercare)	30/06/2023
Stage Gate Assessment Review 7 (SGAR7)	30/06/2024

Independent Assurance Review 5a	30/01/2025
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S665 Risk Management

Start of Works	Failure to achieve March-21 Start of Works results in traffic modelling expiring	Traffic modelling and Air Quality assessment may need to be redeveloped to current standards	This could result in additional costs and time to programme and risk that successful determination is no longer achievable
Voids	Extent of Voids/Fissures requiring treatment is greater than expected	Amount of grouting required is greater than current assumptions	This could result in additional costs and time to programme
Asset condition	Asset condition encountered during construction is worse than expected (e.g. ground conditions, drainage, pavement life), with gaps in existing asset information, leading to additional design and construction	Despite confirmatory GI and surveys to support detailed design asset conditions encountered on site are worse than expected	Additional cost and delay of redesigns
Air Quality	In order to mitigate the AQ issues at Martinscroft, Costain are currently looking to build Mr Sudlow a new home, in line with this his requirements.		This could result in additional works being required and a delay to Start of Works
Governance	SGAR 5 or interim SGAR 5 is not completed in advance of the enabling works start date	The enabling works would not be able to start on time	This could result in the Enabling works potentially unable to commence when planned, and delay the construction programme.

S1010 Services and other things to be provided by the Client as a member of the Alliance

None Identified.

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. any revision or alteration to the detailed civil engineering design of the works in accordance with S2100 Client's work specification previously completed by Others in PCF Stage 0-5, taking precedence over the S120B 11.a Core Responsibility in the Alliance Scope, and limited to the extent that the Digitally Enabled Design Partner is able to rely upon the design work previously completed by Others being fully compliant with the 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.
 - h. all design works completed by Others in PCF Stages 0-5 that are used to deliver the Scheme in accordance with Clause Z19.4
 - i. all construction works completed by Others in PCF Stages 0-5 that are used to deliver the Scheme in accordance with Z19.4.

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	The <i>Client</i> (as a member of the <i>Alliance</i>)	Lot 1 Fluor	Lot 2	Lot 3
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		

REFERENCE	The <i>Client</i> (as a member of the <i>Alliance</i>)	Lot 1 Fluor	Lot 2	Lot 3
S120B Digitally Enabled Design Partner			R	
S120C On-site Assembly Partner				R
S120D The <i>Client</i> 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

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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 (covering RCB & Earthworks redesign)	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 (covering RCB & Earthworks redesign)	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

REFERENCE	The <i>Client</i> (as a member of the <i>Alliance</i>)	Lot 1 Fluor	Lot 2	Lot 3
Development of As-Built Drawings	S	S	S	R
Drawings preparation	S	S	S	R
3D modeller resource	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 <i>Client</i> 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

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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				

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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

REFERENCE	The <i>Client</i> (as a member of the <i>Alliance</i>)	Lot 1 Fluor	Lot 2	Lot 3
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 <i>Client</i> as a member of the Alliance	R	S	S	S
S1100 Health and Safety				

REFERENCE	The Client (as a member of the Alliance)	Lot 1 Fluor	Lot 2	Lot 3
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

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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

REFERENCE	<i>The Client (as a member of the Alliance)</i>	Lot 1 Fluor	Lot 2	Lot 3
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