



# Highways England Company Limited

## Smart Motorways Alliance

### Scheme Scope

# Dynamic Hard Shoulder upgrade to All Lane Running

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## **Section A: Scheme Client Requirements**

Undertake Dynamic Hard Shoulder upgrades to All Lane Running on the existing Smart Motorways network by 31st December 2024.

Seven stretches of Smart Motorways currently operating as Dynamic Hard Shoulder (DHS) Running listed below are to be designed and converted to All Lane Running (ALR);

- M62 J25 - 30 DHS to ALR
- M42 J4 - 7 DHS to ALR
- M6 J4 - 5 DHS to ALR
- M6 J5 - 8 DHS to ALR
- M6 J8 - 10a DHS to ALR
- M1 J10 - 13 DHS to ALR
- M4/M5 Interchange DHS to ALR

This conversion will be in accordance with the design standard GD302 and associated All Lane Running standard GD 301.

This Scheme Order is to undertake all activities required to achieve a successful Stage Gate Assessment Review 3 (according to Highways England's Project Control Framework (PCF)).

The DHS solution will be developed through this initial Scheme Order for PCF stages 0-3 and it is acknowledged that the Scheme Budget will be revised to reflect the final design solutions. The Fee calculation will be retrospectively updated across all PCF stages to reflect the Construction Works Total calculated within the final Scheme Budgets.

## Section B: Scheme Scope Requirements

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.

<b>Scope Section</b>	<b>Description</b>
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 Alliance Partners are required to deliver a programme to upgrade the Dynamic Hard Shoulder (DHS) upgrade to All Lane Running on the smart motorways network.

No agreed solution currently exists for DHS upgrade to ALR. The Alliance will collaboratively develop the solution during Stages 0-3 and the description of the works contained herein is to be considered as indicative and for information only.

The main features on this conversion are:

**Lane markings** - Solid white line changed to dashed line and red studs replaced with white studs. Diagonal hard shoulder line removed at start of DHS on each link. Nearside edge of carriageway line increased to 200mm. A customer focused solution for lane marking changes is required that will take account of potential ghosting, scarring and pavement degradation.

**Variable message signs (VMS) and signals** - Above lane signals to be considered for removal, but expectation that vast majority will remain.

**Fixed and Fixed Text Message Sign (FTMS)** “rotating plank” signing - Advance Direction Signs (ADS) changes made to cater for the new 4 permanent lanes, other signs no longer required on the corridor will be removed e.g. all rotating plank signing, ‘End of hard shoulder signs’ removed and ‘No hard shoulder for X miles’ signs to be installed. Additional emergency area approach signing for places of relative safety required by the Action Plan installed. Any signs related to the operation of DHS, made redundant by the conversion to ALR shall be removed.

**Vehicle restraints systems (VRS)** - Central reserve concrete barrier, where not already provided. Potential for limited additional nearside VRS to protect new signing and additional technology assets and removal of nearside VRS where redundant.

**Roadside technology** - SVD installed. Fixed hard shoulder CCTV cameras should be removed and additional pan tilt zoom CCTV cameras provided for full coverage with no blind spots at all times of day and night. Electricity interface cabinet changes if required. MIDAS Detection Infrastructure e.g. loops or radars to be retained.

**Place of Relative Safety (PRS)** - PRS retained/provided on exit slips, including Emergency Roadside Telephones (ERT). Mainline PRS typically retained, providing a spacing of less than  $\frac{3}{4}$  mile. No new Emergency Areas are envisaged.

**Other infrastructure** - Any completely empty gantries should be removed and any chamber covers moved out of the hard shoulder or strengthened. To note portal gantries may carry power and communications this will need to be considered prior to removal of existing gantries. No drainage capacity upgrades works are needed. Any drainage solutions will need early confirmation that the said solution is As Low As Reasonably Practicable (ALARP). Asset renewals, including technology refreshes are excluded, as are any roundabout and slip road improvements. All existing lighting is to be retained unless it has been assessed to be removed. If existing street lighting is in the central reserve, where the barrier is to be upgraded from steel to concrete, this will need to be repositioned and reinstated (either on top of the barrier or in the verges) unless it has been assessed to be removed.

**Switchover from DHS Running to All Lane Running** - Go-live activities including communications and ROC/RCC operations will need to be formulated to facilitate the switchover.

**Statutory Instrument (SI)** - Revision of existing SI as required per scheme.

The Alliance Partners will each deliver the Schemes relevant to their regional locations in accordance with the Work Allocation Procedure, as summarised below. The Alliance Partners are encouraged to consider whether there is a more efficient delivery allocation during optimisation;

*Digitally Enabled Design Partner – WSP*

- *DHS North*

*M62 J25-30 DHS upgrade*

- *DHS Midlands 1*

*M6 J4-5 DHS upgrade*

*M6 J5-8 DHS upgrade*

*M6 J8-10A DHS upgrade*

*Digitally Enabled Design Partner – Jacobs*

- *DHS South*

*M1 J10-13 DHS upgrade*

*M4/M5 upgrade*

- *DHS Midlands 2*

*M42 J4-7 DHS upgrade*

*On Site Assembly Partner – Costain*

- *DHS North*

*M62 J25-30 DHS upgrade*

*On Site Assembly Partner – BMJV*

- *DHS Midlands 1*

*M6 J4-5 DHS upgrade*

*M6 J5-8 DHS upgrade*

*M6 J8-10A DHS upgrade*

- *DHS Midlands 2*

*M42 J4-7 DHS upgrade*

*On Site Assembly Partner – Balfour Beatty*

- *DHS South*

*M1 J10-13 DHS upgrade*

*M4/M5 upgrade*

The Alliance Partner will need to undertake all design and other activities required to achieve SGAR 3.

The team should note that an Independent Project Assurance Review is planned for November 2020 and will focus on deliverability, affordability and value for money of the programme

Wherever possible PCF Stage 1 and 3 activities of the 7 DHS upgrade sections will be carried out as a single programme avoiding duplication of PCF products. Annex A summarises where it is considered possible to produce programme level products.

## S200 General Constraints

### Site Access

The Alliance Partner will need to ensure any required Site access for surveys etc is agreed in advance with the Alliance Manager.

### Wider works

Below is a list of schemes that are identified as being in close proximity to the any of the 7 schemes included in the upgrade of DHS to ALR:

Smart motorways scheme		Major projects scheme in proximity		Large Renewal or small schemes in proximity
Delivery Plan Number	Scheme Name	Delivery Plan Number	Scheme Name	
10	M62 J25-30	4	M621 junctions 1 to 7	Will need exploring
33*	M42 J4-7	22, 23, 24, 28, 31	M42 junction 6, A46 Coventry junctions, M40/M42 interchange, M54 to M6 link road, M6 junction 10	
34*	M6 J4-5			
35*	M6 J5-8			
36*	M6 J8-10a			
46	M1 J10-13	N/A	N/A	
69	M4 J19-20 and M5 J16-17	N/A	N/A	

In addition to the works identified above, wider strategic and local road network works will be undertaken during this period. The Alliance Partners will need to ensure construction activities are coordinated with other Highways England suppliers to minimise disruption to road users and other works. The Alliance will need to coordinate these activities in line with S240 of the Alliance Scope.

### *Equipment Supply*

The SVD radar equipment to be installed as part of these DHS conversion works will be provided by the Client as a part of Alliance. The Alliance will need to confirm the volume and dates required for delivery of the equipment by the end of SGAR 3.

### **S220 Security and identification of people**

Alliance Partners must verify any representatives of the equipment supplier have undertaken necessary security checks in accordance with the Clients personnel security procedures.

### **S225 Protection of existing Structures and Services**

The Alliance Partners shall identify any existing Structures and Services that require protection as part of this Scheme Scope.

### **S241 Recovery services**

Recovery services identified in the Alliance Scope are not required for DHS upgrade.

### **S268 Aftercare/management of landscape works**

Aftercare/management of landscape works identified in the Alliance Scope are not required for the DHS upgrade.

### **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 construction, unless stated otherwise in S1010.

### **S405 Scheme Open for Traffic**

The definition of Open for Traffic in the Alliance Scope is not used. Open for Traffic for the Dynamic Hard Shoulder upgrades is when all works are complete, and the All Lane Running is operational and meeting the standards identified in the Clients Scheme Requirements.

## S502 Scheme programme requirements

The programme is in the form stated in the Alliance Scope and shows all the information listed in clause 32.3 in relation to the Scheme. The following additional information is also required to be included in the programme;

- DHS to ALR Site access dates;
- DHS to ALR pre-site start Health and Safety meeting dates for each DHS Smart Motorways Site;
- DHS to ALR SVD technology equipment delivery dates and volumes for each Site;
- DHS Statutory instrument consultation dates.

## Milestone Key Dates

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

Milestone Key Date	Date
Provision of optimised construction programme	TBC by the Alliance
Provision of Site boundary drawings	TBC by the Alliance
Stage Gate Assessment Review 3 (SGAR3) for M6 J4-5 and M62 J25-30	15 <sup>th</sup> February 2021
Stage Gate Assessment Review 3 (SGAR3) for last of the 7 schemes	30 <sup>th</sup> June 2021

## S665 Risk Management

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

Risk	Proposed Mitigation Actions
Uncertain asset condition leading to scope uncertainty/increase	1. Carry out targeted detailed surveys to establish existing condition of assets as well as working closely with OD to understand known concerns
Late identification and agreement of asset condition scope, generating inefficiencies within the design and construction process.	1. Establish common understanding of existing asset condition at Handover, and operational need for additional investment. 2. Establish a "Memorandum of understanding" document between OD & MP documenting agreement, and funding of asset renewal works at SGAR 3. 3. Proactive change control.
Slow mobilisation of the SMA a delay in meeting the Start of Works	1. Run transition workshops to ensure that scheme objectives are known and new standard briefed 2. Run agile design process to ensure just in time design delivery prior to commencement on site.
Change in scope, emerging change in policy or standards	1. Work closely with SES to understand potential standard changes

Significant environmental effects identified from Noise or Air Quality Modelling	<ol style="list-style-type: none"> <li>1. Undertake detailed air quality/noise impact assessment</li> <li>2. Further traffic modelling</li> <li>3. Continually monitor potential updates to vehicle emission standards.</li> <li>4. Identify noise Mitigation measures (e.g. barriers)</li> </ol>
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### **S905 Requirement of Others**

In addition to those identified in the Alliance Scope, the Alliance coordinates with Highways England Technology equipment suppliers.

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

The Client will provide Scanning Radar detection units. The detailed specification of the units will be confirmed following PCF stage 3.

## Section C: Allocation of Scheme Scope between Alliance Partners

### 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.

<b>REFERENCE</b>	<b>The Client (as a member of the Alliance)</b>	<b>Lot 1 Fluor</b>	<b>Lot 2 North WSP South Jacobs</b>	<b>Lot 3 North Costain Midlands Bam Morgan Sindall South Balfour Beatty</b>
<b>SECTION A: LOT SCOPE</b>				
<b>S100 Description of the works</b>				
S105 Introduction to Highways England				
S110 Introduction to the Smart Motorways Programme				
S115 The structure of the Alliance	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>
S116 Alliance Objectives	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>
S120 Core responsibilities of the members of the Alliance	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S120A Production Management Partner		<b>R</b>		
S120B Digitally Enabled Design Partner			<b>R</b>	
S120C On-site Assembly Partner				<b>R</b>

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S120D The <i>Client</i> as a member of the Alliance	<b>R</b>			
S130 Agile responsibilities of the members of Alliance				
Scoping of surveys				
Asbestos	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Communications	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Condition	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Drainage and ducting	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Environmental and ecology (e.g. protected species)	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Lighting	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Noise	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Pavement	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Structures and geotechnical	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Topographical	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Carrying out of surveys				
Asbestos	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Communications	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Condition	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Drainage and ducting	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>

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Environmental and ecology (e.g. protected species)	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Lighting	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Noise	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Pavement	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Structures and geotechnical	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Topographical	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Preliminary design				
Gantries, structures and bridges	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Noises and environmental barriers	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Piling and foundations	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Power and lighting	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Retaining walls	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Technology and communications	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Detailed design				
Gantries, structures and bridges	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Noises and environmental barriers	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Piling and foundations	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>

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Power and lighting	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Retaining walls	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Technology and communications	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Traffic management	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Development of as-built records	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Purchase and provision of				
Technology	<b>R</b>	<b>S</b>	<b>S</b>	<b>R</b>
Traffic management	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Any other products and services called off from CCS and other <i>Client</i> framework contracts	<b>R</b>	<b>S</b>	<b>S</b>	<b>R</b>
Consent and administrative activities				
Statutory and consent management (e.g. Statutory instruments, Statutory Undertakers, Distribution Network Operators (DNOs))	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
Environmental assessment	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>

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Customer service and external stakeholder management	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Setting up and administering of PBAs	<b>S</b>	<b>R</b>	<b>S</b>	<b>S</b>
Supporting SMP delivery (e.g. Red-X campaign)	<b>S</b>	<b>R</b>	<b>S</b>	<b>S</b>
Production activities				
Logistics	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Promoting use of off-site manufacture and standardisation	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
Continuous improvement and innovation	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>SECTION B: GENERAL REQUIREMENTS</b>				
<b>S200 General constraints</b>				
S201 Alliance behaviours	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>
S202 Parent Company Guarantee	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S203 Conflict of interest	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S204 Anti Bribery and Anti-Fraud	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S205 Data Protection	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>

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S208 Official Secrets Acts	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S210 Confidentiality	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S211 Insurance	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S215 Security and protection of the Site	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S220 Security and identification of people	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S225 Protection of existing structures and services	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S230 Cleanliness of roads	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S240 Network occupancy	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S241 Recovery services	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
S245 Condition survey	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
S250 Considerate Constructor Scheme	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S251 Customer service	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S256 Project Control Framework	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S266 Energy Efficiency Directive	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S267 Environmental requirements	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>

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S268 Aftercare / Management of landscape works	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
S269 Site Waste Management plan	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S270 Sustainable development requirements	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S272 Air Quality Strategy	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S274 Discrimination, bullying and harassment	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S275 Equality, diversity and inclusion	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S276 Employment and skills	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S285 Behavioural attributes	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>S300 Design</b>	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
S305 Design responsibilities	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
S310 Design criteria	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
S320 Design submission procedures	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
S325 Design approval from Others	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
<b>S400 Scheme handover</b>				

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S405 Scheme Open for Traffic	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S410 Scheme handover	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S415 Scheme Completion	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S445 Documents	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S450 Access to information following Completion	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
<b>S500 Programme</b>				
S501 Alliance programme requirements	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S502 Scheme programme requirements	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S515 Scheme programme quality	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S520 Methodology statement	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S525 Revised programme	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S535 Earned value management	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>S600 Quality Management</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S605 Alliance aligned/integrated management system	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S610 Lean	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>

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S615 Quality planning	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S620 Authorised persons with adequate skills, knowledge and experience	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S625 Quality reviews	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S626 Audits	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S630 Registers	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S640 Non-conformity corrective action reports	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S645 Quality indicators	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S650 Deliverables	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S655 Alliance management review	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S660 Quality management points	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S665 Risk management	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>S700 Tests and inspections</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
<b>S800 Management of the works</b>				
S810 Communications	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S820 Disclosure requests	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S825 Information security	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S835 Business Continuity	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>

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<b>S900 Working with Others</b>	<b>S</b>			
S905 Requirements of Others	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S920 Utilities providers	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>S1000 Services and other things provided</b>				
S1010 Services and other things to be provided by the Client	<b>R</b>	<b>S</b>	<b>S</b>	<b>S</b>
<b>S1100 Health and Safety</b>				
S1105 Supply chain health and safety maturity matrix	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1106 Management of health and safety	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1107 Alliance's health and safety management system	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1108 Subcontractor's health and safety systems	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1111 Action to rectify breaches	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1112 Health and safety culture	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1113 Health and safety – exchange of information	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1114 Asbestos	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>

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S1115 Health and safety advice	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1116 Health and safety inspections	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1117 Health and safety in construction	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S1118 Incident investigation, reporting and follow-up	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1119 Incident statistics	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1121 Health and safety management audit	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1122 CDM compliance	<b>S</b>	<b>S</b>	<b>R</b>	<b>R</b>
S1123 Health and safety – charity-based incentive Schemes	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1124 Particular requirements on Subcontractors	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1125 Management of road risk	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>
S1127 Substance abuse	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1128 Security	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1129 Employee safety	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1130 Fleet Operator Recognition Standard (FORS) Accreditation	<b>S</b>	<b>S</b>	<b>S</b>	<b>R</b>

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S1131 Driving for better business	R	R	R	R
<b>S1200 Subcontracting</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1205 Restrictions or requirements for subcontracting	S	R	R	R
S1210 Acceptance procedures	S	R	R	R
<b>S1300 Title</b>				
S1305 Marking	S	S	S	R
<b>S1400 Accounts and records</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
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
<b>S1500 Commercial Management</b>				
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

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S1525 Forecasting	<b>S</b>	<b>R</b>	<b>S</b>	<b>S</b>
S1530 Earned value for assessment	<b>S</b>	<b>R</b>	<b>S</b>	<b>S</b>
<b>S1600 Transfer of Rights</b>				
S1605 Partner's rights over material prepared for the design of the works	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1610 Other rights to be obtained by the Alliance	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>S1700 Information management (Option X10)</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S1705 Information management requirements	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>1S2000 Project Bank Account (Option Y(UK)1)</b>				
S2010 Project Bank Account tracker	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>S2100 Client's work specification</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
S2110 Drawings	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>Annex A Reference documents</b>				
<b>Annex B Form of Parent Company Guarantee</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>Annex C Insurance Tables</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>

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<b>Annex D Alliance Inclusion Action Plan</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>Annex E Alliance Employment and Skills Plan</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>Annex F Special activities and requirements</b>	<b>S</b>	<b>S</b>	<b>R</b>	<b>S</b>
<b>Annex G Continuous improvement/lean minimum requirements</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>Annex H Quality improvement process</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>
<b>Annex I Information management requirements</b>	<b>S</b>	<b>R</b>	<b>R</b>	<b>R</b>

## Annex A – Indication of Scheme Level and Programme Level Products

Product	Scheme level	Programmatic Level
CSR		✓
Appraisal Specification Report		✓
Developing Estimate	Scheme level	
Risk Management Plan		✓
Benefits Register	Early on in Stage 3 the Sponsor will produce 7 identical Benefits Registers matching the Stage 0 Register and towards the end of Stage 3, the Registers will be populated with AST's per scheme.	
ComMA		✓
Outline Business Case		Yes and highlight any scheme specific details
Investment Submission		✓
<b>Prelim Design TBC</b>		
Safety Plan	✓	
Combined Safety and Hazard Log Report	✓	
Combined Operations		✓ Regional
Telecomm Requirements	✓	✓ For the other 6 schemes
Regional Operational Control Centre (RCC or ROC) Technology and Capacity Implications Report		✓ Regional
<b>Applications for Roadside Electricity Connections (Exit Points) - TBC</b>	Maybe required for SVD	
Change Request Form		✓ Programmatic but can be specific dependant on where the change lies.
End of Stage Report		✓
Stage Mgt Plan		✓
Project Management Plan		✓
Project Schedule		✓ Highlight any scheme specific details
Regular Reporting		✓
Certificate of Compliance with the Operations Technical Leadership Group	✓	
Lessons Learnt Log		✓ Programmatic with scheme specific lessons or issues highlighted

EQIA		✓ programmatic at Stage 3. Review at Stage 5 whether this will be scheme by scheme or programmatic.
IAAP		✓
Project Level Procurement Strategy		✓ Programmatic with any scheme specific procurement details highlighted
Centralised procurement of Roadside Infrastructure TBC		Yes
Pre-Construction Information		✓ With scheme specific H&S information
H&S File		✓ With scheme specific H&S information
Maintenance and Repair Statement	✓	
Preliminary Sources Study Report & Ground Investigation Report - need to be discussed and agreed between the Designer's Geotechnical Advisor and Highways England's regional Geotechnical Advisor/Alliance	✓	✓
Structures Options checklist	If required	
Section 85	✓	
Consultation Document for Statutory Instrument (SM Only)	✓	
Road Safety Audit	✓	
Comms Plan		✓
DLOA		<ul style="list-style-type: none"> <li>✓ Detailed, high level and Principled Programmatic for stage 3 as this is dependent on whether the contract is AD or ASC.</li> <li>✓ Stage 5 will be scheme specific</li> </ul>
Statutory Undertakers Diversions		✓ programmatic approach is acceptable up to Stage 3, highlighting all the 7 schemes separately.
EIA Screening (Determination)	✓	
Habitats Regulations Assessment	✓ If required	
Environmental Scoping Report	✓	

Environmental Assessment Report / Environmental Statement	✓	
Environmental Management Plans		✓
Project Design Report	✓	