

HIGH SPEED RAIL (LONDON – WEST MIDLANDS) ACT 2017

The Contractor acting on behalf of, and as agent for, the nominated undertaker [High Speed Two (HS2) Limited] makes the following application under the High Speed Rail (London – West Midlands) Act 2017 (the 'Act').

Unique reference ID	LM-Cons-421		
Provision in the Act	Schedule 4 Part 3 paragraph 11		
Description	Approval for construction or realignment of roads (plans, sections and specifications)		
Nature of works (tick one)	Temporary	Permanent	X
Response period (after which the plans, sections and specifications are to be treated as approved if the highway authority fails to notify the nominated undertaker of its decision)	28 days from the date of submission		
Reference(s) of related application(s) (if any)	Schedule 17 (SMB.N211.PS.13 & SMB.N211.PS.14) Schedule 4 Part 3 – A446 (LM-Cons-2312) Schedule 33 Part 1 - A452 over A446 Bridge (LM-Cons-6903) Schedule 33 Part 1 - A452/A446 Roundabout North Overbridge (LM-Cons-6902) Schedule 33 Part 1 - A452/A446 Roundabout South Overbridge (LM-Cons-6901) Schedule 33 Part 1 - A452 Link Road Overbridge (LM-Cons-6900)		

Note – A temporary interference submission under Schedule 4 Part 2 paragraph 6 of the Act using Form TM1 may accompany this form, or be submitted separately.

Highway authority	Solihull Metropolitan Borough Council
Adjoining highway authority (where applicable)	Highways England
Schedule 1 works number(s)	3/22, 3/22A, 3/22B, 3/22C, 3/22D, 3/22E
Road number (where applicable)	A452
Road name(s)	Chester Road
Side road or public rights of way works within scope of application (if any)	B4438, Northway, Solihull Parkway
Location of works	Metropolitan Borough of Solihull, Parish of Bickenhill – commencing at a point 155 metres north-west of the bridge carrying the A452 Chester Road over Packington Lane and terminating at a point 100m west of the centre of the A452/A446/B4438 roundabout.
Indicative HS2 chainage / chainage range	157+000-159+000
Description of highway works	Realignment of A452 Chester Road between commencement and termination points listed above, realignment of B4438 at Northway/B4438 roundabout, realignment of Northway at Northway/B4438 roundabout, realignment of Holiday Inn Express access road at Northway/B4438 roundabout, realignment of Solihull Parkway at A452/A446/B4438 roundabout. Construction of roundabout over HS2 trace carrying A452/A446. Construction of 4 no. overbridges, the A452 Link Road Overbridge, A452 over A446 bridge and two HS2 overbridges listed below.
Related non-highway assets (e.g. HS2 bridges) (if any)	A452/A446 Roundabout North Overbridge, A452/A446 Roundabout South Overbridge
Design basis	DMRB
Extent of works	Full extent of highway

Submission checklist [tick as appropriate] (give details in Annex A)					
Plans, sections and specifications (for approval)	Location plan and general arrangement	✓	Supporting documents (for information)	Technical notes / reports	
	Alignment and cross sections	✓		Road Safety Audit reports – stages 1 / 2	✓
	Standard details	✓		Road Safety Audit Response reports	✓
	Site clearance	✓		Road Safety Audit Exception reports	✓
	Fencing (motorway boundary and within highway boundary only)	✓		Non-Motorised User audit reports	✓
	Road restraint systems	✓		AiPs for highway structures (other than bridges – use Form HW2)	
	Drainage and service ducts	✓		Details of minor structures not requiring AiPs	
	Earthworks (within highway boundary only)	✓		Departures	✓
	Pavements (including level information)	✓		Traffic data / models / calculations	✓
	Kerbs, footways and paved areas	✓		Public utilities information	✓
	Traffic signs and road markings	✓		Environmental information	✓
	Traffic signals layout / stage diagram	✓		Third party information	
	Road lighting / brackets / CCTV masts	✓		Health and safety / CDM information	✓
	Electrical work for lighting / signs			Quality assurance information (e.g. BBA certificates)	
	Landscape (within highway boundary only)	✓		DMRB design / check certificates	✓
	Street furniture			Other (please specify)	
Other (please specify)					

Details of pre-application discussions	
24 th August 2018	Design Review – close out of scheme design comments
14 th September 2018	Design Review – progress update, with HE
27 th September 2018	Design Review – progress update, with HE
12 th October 2018	Design Review – progress update, with HE
26 th October 2018	Design Review – progress update, with HE
14 th November 2018	Drainage Review, with HE
28 th November 2018	U&A review – ponds, hedgerows and mature trees
7 th December 2018	Ponds and landscaping review
11 th January 2019	Departures review, with HE and WCC
25 th January 2019	LinSig and Vissim review, with HE & WCC
Fortnightly from January 2019	Traffic modelling and highway design review (SMBC & HE)

Additional comments

A section of highway being consented to is currently maintained by SMBC; but will be subject to a trunk road order, however as the order has not been applied for, consent must be granted by SMBC. LM understand that SMBC will be seeking guidance from HE on the outcome of this consent.

The highway boundary is subject to formal agreement through the highway maintenance agreement, thus fence lines are indicative.

Highway boundaries have been discussed through the engagement process and are shown in highways maintenance plan 1EW04-LMJ-HW-DPL-NS07-005120

The Contractor, having been duly authorised to do so following review and acceptance of the associated documentation by HS2 Ltd, submits this application on behalf of, and as agent for, the nominated undertaker.

Contractor's confirmation of compliance with the Act and contract requirements

Signature: S. J. Russell Date: 30/07/2019

Name of Contractor's authorised representative: SIMON RUSSELL

Name of Contractor: LM JV

Date of submission

2nd August 2019

Decision on the application by the highway authority

Approved / ~~approval withheld~~ [delete as appropriate]

If approval withheld, state ground(s): _____

Signature: P. Tovey Date: 30/8/19

Name of highway authority's authorised representative: PAUL TOVEY
Group Leader, Highway Services

Issued by the Contractor on behalf of, and as agent for, the nominated undertaker to

Highway authority	Paul Tovey
HS2 Ltd	Alastair Warnes
Other (please specify)	

Annex A – Schedule of submitted plans, sections, specifications and supporting documentation

Title	eB reference	Version
Plans (for approval)		
<i>Please see following sheet for annex</i>		
Sections (for approval)		
Supporting documentation (for information)		

eB reference	Title	Version
Plans		
Location plan and general arrangement		
1EW04-LMJ_DJV-HW-DPL-NS07-005120	WP005 Birmingham Interchange Station- Proposed Highways Authority Maintenance Responsibility	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005101	WP005 - Birmingham Interchange Station - General Arrangement Sheet 1	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005102	WP005 - Birmingham Interchange Station - General Arrangement Sheet 2	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005103	WP005 - Birmingham Interchange Station - General Arrangement Sheet 3	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005104	WP005 - Birmingham Interchange Station - General Arrangement Sheet 4	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005105	WP005 - Birmingham Interchange Station - General Arrangement Sheet 5	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005110	WP005 - Birmingham Interchange Station - General Arrangement Sheet 10	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005101	WP005 - Birmingham Interchange Station - Highways Layout Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005102	WP005 - Birmingham Interchange Station - Highways Layout Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005103	WP005 - Birmingham Interchange Station - Highways Layout Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005104	WP005 - Birmingham Interchange Station - Highways Layout Sheet 4	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005105	WP005 - Birmingham Interchange Station - Highways Layout Sheet 5	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005110	WP005 - Birmingham Interchange Station - Highways Layout Sheet 10	C02
Site clearance		
1EW04-LMJ_DJV-HW-DPL-NS07-005201	WP005 - Birmingham Interchange Station - Site Clearance Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005202	WP005 - Birmingham Interchange Station - Site Clearance Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005203	WP005 - Birmingham Interchange Station - Site Clearance Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005204	WP005 - Birmingham Interchange Station - Site Clearance Sheet 4	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005205	WP005 - Birmingham Interchange Station - Site Clearance Sheet 5	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005210	WP005 - Birmingham Interchange Station - Site Clearance Sheet 10	C02
Fencing		
1EW04-LMJ_DJV-HW-DPL-NS07-005301	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005302	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005303	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005304	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 4	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005305	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 5	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005310	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 10	C01
Road restraint systems		
1EW04-LMJ_DJV-HW-DPL-NS07-005401	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 1	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005402	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 2	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005403	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005404	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 4	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005405	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 5	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005410	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 10	C02
Drainage and service ducts		
1EW04-LMJ_DJV-DR-DPL-NS07-005501	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 1	C01
1EW04-LMJ_DJV-DR-DPL-NS07-005502	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 2	C01
1EW04-LMJ_DJV-DR-DPL-NS07-005503	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 3	C01
1EW04-LMJ_DJV-DR-DPL-NS07-005504	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 4	C01
1EW04-LMJ_DJV-DR-DPL-NS07-005505	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 5	C01
1EW04-LMJ_DJV-DR-DPL-NS07-005510	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 10	C01
1EW04-LMJ_DJV-DR-DDE-NS07-005521	WP005 - Birmingham Interchange Station - Area A Northway Roundabout Basin Details	C01
1EW04-LMJ_DJV-DR-DDE-NS07-005522	WP005 - Birmingham Interchange Station - Area B A446-A452 RA Basin Details	C01

1EW04-LMJ_DJV-DR-DSE-NS07-005501	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 1 (Area A)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005502	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 2 (Area A)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005503	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 3 (Area A)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005504	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 4 (Area A)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005505	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 5 (Area A)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005530	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 10 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005531	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 11 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005532	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 12 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005533	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 13 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005534	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 14 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005535	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 15 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005536	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 16 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005537	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 17 (Area B)	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005501	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 1	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005502	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 2	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005503	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 3	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005504	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 4	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005505	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 5	C01
Earthworks		
1EW04-LMJ_DJV-GT-DPL-NS07-005001	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 1	C01
1EW04-LMJ_DJV-GT-DPL-NS07-005002	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 2	C01
1EW04-LMJ_DJV-GT-DPL-NS07-005003	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 3	C01
1EW04-LMJ_DJV-GT-DPL-NS07-005004	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 4	C01
1EW04-LMJ_DJV-GT-DPL-NS07-005005	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 5	C01
1EW04-LMJ_DJV-GT-DPL-NS07-005010	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 10	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005001	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 1	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005002	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 2	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005003	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 3	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005004	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 4	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005005	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 5	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005006	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 6	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005007	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 7	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005008	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 8	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005009	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 9	C01
1EW04-LMJ_DJV-GT-DDE-NS07-005001	WP 005 - Birmingham Interchange Station - Earthworks Construction Details Sheet 1	C01
1EW04-LMJ_DJV-GT-DDE-NS07-005002	WP 005 - Birmingham Interchange Station - Earthworks Construction Details Sheet 2	C01
Pavements		
1EW04-LMJ_DJV-HW-DPL-NS07-005701	WP005 - Birmingham Interchange Station - Road Pavement Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005702	WP005 - Birmingham Interchange Station - Road Pavement Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005703	WP005 - Birmingham Interchange Station - Road Pavement Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005704	WP005 - Birmingham Interchange Station - Road Pavement Sheet 4	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005705	WP005 - Birmingham Interchange Station - Road Pavement Sheet 5	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005710	WP005 - Birmingham Interchange Station - Road Pavement Sheet 10	C02
Kerbs, footways and paved areas		
1EW04-LMJ_DJV-HW-DPL-NS07-005141	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 1	C01

1EW04-LMJ_DJV-HW-DPL-NS07-005142	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005143	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005144	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 4	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005145	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 5	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005150	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 10	C02
Traffic signs and road markings		
1EW04-LMJ_DJV-HW-DPL-NS07-005801	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005802	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005803	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005804	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 4	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005805	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 5	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005810	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 10	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005901	WP005 - Birmingham Interchange Station - Road Markings Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005902	WP005 - Birmingham Interchange Station - Road Markings Sheet 2	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005903	WP005 - Birmingham Interchange Station - Road Markings Sheet 3	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005904	WP005 - Birmingham Interchange Station - Road Markings Sheet 4	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005905	WP005 - Birmingham Interchange Station - Road Markings Sheet 5	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005910	WP005 - Birmingham Interchange Station - Road Markings Sheet 10	C02
Traffic signals layout / stage diagram		
1EW04-LMJ_DJV-HW-DDE-NS07-005821	WP005 - Birmingham Interchange Station - Highways Traffic Signals Standard Detail 1	C01
1EW04-LMJ_DJV-HW-DDE-NS07-005822	WP005 - Birmingham Interchange Station - Highways Traffic Signals Standard Detail 2	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005841	WP005 - Birmingham Interchange Station - Highways Traffic Signals GA - NEC Longabout Sheet 1	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005842	WP005 - Birmingham Interchange Station - Highways Traffic Signals GA - NEC Longabout Sheet 2	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005851	WP005 - Birmingham Interchange Station - Highways Traffic Signals GA - T Junction Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005851	WP005 - Birmingham Interchange Station - Highways Traffic Signals Layout- NEC Longabout Sheet 1	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005871	WP005 - Birmingham Interchange Station - Highways Traffic Signals Layout- T Junction Sheet 1	C01
Road Lighting		
1EW04-LMJ_DJV-EL-DPL-NS07-005101	WP005 - Birmingham Interchange Station - Road Lighting Sheet 1	C01
1EW04-LMJ_DJV-EL-DPL-NS07-005102	WP005 - Birmingham Interchange Station - Road Lighting Sheet 2	C01
1EW04-LMJ_DJV-EL-DPL-NS07-005103	WP005 - Birmingham Interchange Station - Road Lighting Sheet 3	C01
1EW04-LMJ_DJV-EL-DPL-NS07-005104	WP005 - Birmingham Interchange Station - Road Lighting Sheet 4	C01
1EW04-LMJ_DJV-EL-DPL-NS07-005105	WP005 - Birmingham Interchange Station - Road Lighting Sheet 5	C01
1EW04-LMJ_DJV-EL-DPL-NS07-005110	WP005 - Birmingham Interchange Station - Road Lighting Sheet 10	C01
Landscape		
1EW04-LMJ_DJV-LS-DGA-NS07-005001	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 1	C01
1EW04-LMJ_DJV-LS-DGA-NS07-005002	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 2	C01
1EW04-LMJ_DJV-LS-DGA-NS07-005003	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 3	C01
1EW04-LMJ_DJV-LS-DGA-NS07-005004	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 4	C01
1EW04-LMJ_DJV-LS-DGA-NS07-005005	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 5	C01
1EW04-LMJ_DJV-LS-DGA-NS07-005010	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 10	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005001	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 1	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005002	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 2	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005003	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 3	C01

1EW04-LMJ_DJV-LS-DPL-NS07-005004	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 4	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005005	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 5	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005010	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 10	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005061	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 1	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005062	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 2	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005063	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 3	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005064	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 4	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005065	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 5	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005070	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 10	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005077	WP005 - Birmingham Interchange Station - Detailed Balancing Features Landscape Section Drawing - Sheet 1	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005078	WP005 - Birmingham Interchange Station - Detailed Balancing Features Landscape Section Drawing - Sheet 3	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005082	WP005 - Birmingham Interchange Station - Balancing Features Planting Plan - Sheet 1	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005083	WP005 - Birmingham Interchange Station - Balancing Features Planting Plan - Sheet 3	C01
1EW04-LMJ_DJV-LS-DSH-NS07-005018	WP005 Birmingham Interchange Station Planting Plans Drawings (1:500) Area B Schedule	C01
Sections		
Alignment and cross sections		
1EW04-LMJ_DJV-HW-DSE-NS07-005201	WP005 - Birmingham Interchange Station - Cross-sections Sheet 1 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005202	WP005 - Birmingham Interchange Station - Cross-sections Sheet 2 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005203	WP005 - Birmingham Interchange Station - Cross-sections Sheet 3 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005204	WP005 - Birmingham Interchange Station - Cross-sections Sheet 4 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005205	WP005 - Birmingham Interchange Station - Cross-sections Sheet 5 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005206	WP005 - Birmingham Interchange Station - Cross-sections Sheet 6 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005207	WP005 - Birmingham Interchange Station - Cross-sections Sheet 7 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005208	WP005 - Birmingham Interchange Station - Cross-sections Sheet 8 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005301	WP005 - Birmingham Interchange Station - Typical Cross-sections Sheet 1 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005221	WP005 - Birmingham Interchange Station - Cross-sections Sheet 1 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005222	WP005 - Birmingham Interchange Station - Cross-sections Sheet 2 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005223	WP005 - Birmingham Interchange Station - Cross-sections Sheet 3 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005224	WP005 - Birmingham Interchange Station - Cross-sections Sheet 4 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005225	WP005 - Birmingham Interchange Station - Cross-sections Sheet 5 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005226	WP005 - Birmingham Interchange Station - Cross-sections Sheet 6 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005227	WP005 - Birmingham Interchange Station - Cross-sections Sheet 7 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005228	WP005 - Birmingham Interchange Station - Cross-sections Sheet 8 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005229	WP005 - Birmingham Interchange Station - Cross-sections Sheet 9 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005238	WP005 - Birmingham Interchange Station - Cross-sections Sheet 18 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005239	WP005 - Birmingham Interchange Station - Cross-sections Sheet 19 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005240	WP005 - Birmingham Interchange Station - Cross-sections Sheet 20 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005241	WP005 - Birmingham Interchange Station - Cross-sections Sheet 21 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005242	WP005 - Birmingham Interchange Station - Cross-sections Sheet 22 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005311	WP005 - Birmingham Interchange Station - Typical Cross-sections Sheet 1 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005312	WP005 - Birmingham Interchange Station - Typical Cross-sections Sheet 2 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005101	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 1 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005102	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 2 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005103	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 3 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005104	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 4 (Area A)	C01

1EW04-LMJ_DJV-HW-DSE-NS07-005105	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 5 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005106	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 6 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005107	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 7 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005108	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 8 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005109	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 9 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005110	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 10 (Area A)	C01
1EW04-LMJ_DJV-HW-DSE-NS07-005131	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 1 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005132	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 2 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005133	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 3 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005134	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 4 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005135	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 5 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005136	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 6 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005145	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 15 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005146	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 16 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005147	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 17 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005148	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 18 (Area B)	C02
Specifications		
1EW04-LMJ-HW-SPE-NS07-005001	WP005 - Birmingham Interchange Station - Detailed Design - Highway Specification	P01
<i>Please note that standard details are as listed in the above highway specification</i>		
1EW04-LMJ-GT-REP-NS07-005001	WP 005 - BIS Detailed Design - Ground Investigation Report	C01
1EW04-LMJ-GT-REP-NS07-005002	WP 005 - Birmingham Interchange Station - Geotechnical Design Report	C01
Supporting Documents		
Road Safety Audit reports – stages 1 / 2		
1EW04-LMJ-HW-REP-NS07-050016	WP 050 - Birmingham Interchange - Road Safety Audit Stage 1	C02
1EW04-LMJ-HW-REP-NS07-005005	WP005 - Birmingham Interchange Station - Road Safety Audit - Stage 2 - Area A and B	P01
Road Safety Audit Response reports		
1EW04-LMJ-HW-REP-NS07-050023	WP 050 - Road Safety Audit Stage 1 – Designers Team Response	C01
1EW04-LMJ-HW-REP-NS07-005009	WP005 - Birmingham Interchange Station - Road Safety Audit Designers Response Report - Area A and B	C01
Non-Motorised User audit reports		
1EW04-LMJ_DJV-HW-REP-NS07-005005	WP005 - Birmingham Interchange Station - Walking, Cycling and Horse-Riding Assessment Report	P01
Departures		
1EW04-LMJ-HW-FRM-NS07-005006	WP 005 - BIS Detailed Design- A452/A446 Roundabout- Circulatory Width-Agreement in Principle for Highway-related Departure	C01
1EW04-LMJ_DJV-HW-DLO-NS07-005701	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 1	P04
1EW04-LMJ_DJV-HW-DLO-NS07-005702	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 2	P04
1EW04-LMJ_DJV-HW-DLO-NS07-005703	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 3	P04
1EW04-LMJ_DJV-HW-DLO-NS07-005704	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 4	P04
Traffic data / models / calculations		
1EW04-LMJ_DJV-TM-NOT-NS07-005001	WP 005 - Birmingham Interchange Station - Traffic Modelling: Detailed Design Results	C02
1EW04-LMJ_DJV-TM-NOT-NS07-005002	WP 005 - Birmingham Interchange Station - Traffic Modelling: 2013 Hybrid Bill Environmental Statement Sensitivity Testing Results	C01
1EW04-LMJ_DJV-TM-NOT-NS07-005003	WP 005 - Birmingham Interchange Station - Traffic Modelling: Highways England M42 J6 Model Testing Results	C01
Public utilities information		
1EW04-LMJ_DJV-UT-DGA-NS07-005001	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 1	C01
1EW04-LMJ_DJV-UT-DGA-NS07-005002	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 2	C01
1EW04-LMJ_DJV-UT-DGA-NS07-005003	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 3	C01
1EW04-LMJ_DJV-UT-DGA-NS07-005004	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 4	C01
1EW04-LMJ_DJV-UT-DGA-NS07-005005	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 5	C01

1EW04-LMJ_DJV-UT-DGA-NS07-005010	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 10	C01
Environmental information		
1EW04-LMJ-EV-REP-NS07-005006	WP 005 - Birmingham Interchange Station - Environmental Minimum Requirements (EMR) Compliance Note	C01
1EW04-LMJ-EV-PLN-N000-060001	WP60 - Environmental Management Plan	C03
1EW04-LMJ-EV-PLN-N000-061001	WP61 - Environmental Management Plan	C01
1EW04-LMJ-EV-PLN-N000-062001	WP62 - Environmental Management Plan	C01
1EW04-LMJ-EV-PLN-N000-063001	WP63 - Environmental Management Plan	C01
1EW04-LMJ-EV-PLN-N000-064001	WP64 - Environmental Management Plan	C01
Health and safety / CDM information		
1EW04-LMJ_DJV-HW-RIA-NS07-005002	GG04 - Safety Risk Assessment	C01
1EW04-LMJ-RK-RIA-NS07-005002	WP005 - Birmingham Interchange Station - Designer's Risk Assessment	P02
DMRB design / check certificates		
1EW04-LMJ-GT-CER-NS07-005001	WP 005 - Birmingham Interchange Station - Ground Investigation Report - Geotechnical Certificate	C01
1EW04-LMJ-GT-CER-NS07-005002	WP 005 - Birmingham Interchange Station - Geotechnical Design Report - Geotechnical Certificate	C01
1EW04-LMJ_DJV-DR-CER-NS07-005001	WP 005 - Birmingham Interchange Station - HD50/16 Drainage Design Certificate	C01

HIGH SPEED RAIL (LONDON – WEST MIDLANDS) ACT 2017

The Contractor acting on behalf of, and as agent for, the nominated undertaker [High Speed Two (HS2) Limited] makes the following application under the High Speed Rail (London – West Midlands) Act 2017 (the 'Act').

Unique reference ID	LM-Cons-2312		
Provision in the Act	Schedule 4 Part 3 paragraph 11		
Description	Approval for construction or realignment of roads (plans, sections and specifications)		
Nature of works (tick one)	Temporary	Permanent	X
Response period (after which the plans, sections and specifications are to be treated as approved if the highway authority fails to notify the nominated undertaker of its decision)	28 days from the date of submission		
Reference(s) of related application(s) (if any)	Schedule 17 (SMB.N211.PS.13 & SMB.N211.PS.14) Schedule 4 Part 3 – A452 (LM-Cons-421) Schedule 33 Part 1 - A452 over A446 Bridge (LM-Cons-6903) Schedule 33 Part 1 - A452/A446 Roundabout North Overbridge (LM-Cons-6902) Schedule 33 Part 1 - A452/A446 Roundabout South Overbridge (LM-Cons-6901) Schedule 33 Part 1 - A452 Link Road Overbridge (LM-Cons-6900)		

Note – A temporary interference submission under Schedule 4 Part 2 paragraph 6 of the Act using Form TM1 may accompany this form, or be submitted separately.

Highway authority	Solihull Metropolitan Borough Council
Adjoining highway authority <i>(where applicable)</i>	Highways England
Schedule 1 works number(s)	3/22G
Road number <i>(where applicable)</i>	A446
Road name(s)	A446 Link Road
Side road or public rights of way works within scope of application <i>(if any)</i>	Melbick Garden Centre Access & Quartz Point Business Park Access
Location of works	Metropolitan Borough of Solihull, Parish of Bickenhill, County of Warwickshire, District of North Warwickshire, Parishes of Coleshill and Little Packington. Commencing at a point 200 metres west of the bridge carrying the A452 Chester Road over the A446 Stonebridge Road and terminating at a point 400 metres north-east of the centre of the A452/A446/B4438 roundabout over the M42 Motorway.
Indicative HS2 chainage / chainage range	157+000-159+000
Description of highway works	A diversion of the A452 Chester Road and the A446 commencing at a point 200 metres west of the bridge carrying the A452 Chester Road over the A446 Stonebridge Road and terminating at a point 400 metres north-east of the centre of the A452/A446/B4438 roundabout over the M42 Motorway.
Related non-highway assets (e.g. HS2 bridges) <i>(if any)</i>	N/A
Design basis	DMRB
Extent of works	Full extent of highway

Additional comments

The section of highway being consented to is currently maintained by SMBC; it will be subject to a trunk road order, however, as the order has not been applied for, consent must be granted by SMBC. LM understand that SMBC will be seeking guidance from HE on the outcome of this consent.

Highway boundary is subject to formal agreement through the highway maintenance agreement, thus fence lines are indicative.

Highway boundaries have been discussed through the engagement process and are shown in highways maintenance plan 1EW04-LMJ-HW-DPL-NS07-005120

The Contractor, having been duly authorised to do so following review and acceptance of the associated documentation by HS2 Ltd, submits this application on behalf of, and as agent for, the nominated undertaker.

Contractor's confirmation of compliance with the Act and contract requirements

Signature: S. J. Russell Date: 30/07/2019

Name of Contractor's authorised representative: SIMON RUSSELL

Name of Contractor: LM JV

Date of submission

2nd August 2019

Decision on the application by the highway authority

Approved / ~~approval withheld~~ [delete as appropriate]

If approval withheld, state ground(s): _____

Signature: P. Tovey Date: 30/8/19

Name of highway authority's authorised representative: PAUL TOVEY
GROUP LEADER HIGHWAY SERVICES

Issued by the Contractor on behalf of, and as agent for, the nominated undertaker to

Highway authority	Paul Tovey
HS2 Ltd	Alastair Warnes
Other (please specify)	

eB reference	Title	Version
Plans		
Location plan and general arrangement		
1EW04-LMJ_DJV-HW-DPL-NS07-005120	WP005 Birmingham Interchange Station - Proposed Highways Authority Maintenance Responsibility	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005108	WP005 - Birmingham Interchange Station - General Arrangement Sheet 8	C01
1EW04-LMJ_DJV-HW-DGA-NS07-005109	WP005 - Birmingham Interchange Station - General Arrangement Sheet 9	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005108	WP005 - Birmingham Interchange Station - Highways Layout Sheet 8	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005109	WP005 - Birmingham Interchange Station - Highways Layout Sheet 9	C02
Site clearance		
1EW04-LMJ_DJV-HW-DPL-NS07-005208	WP005 - Birmingham Interchange Station - Site Clearance Sheet 8	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005209	WP005 - Birmingham Interchange Station - Site Clearance Sheet 9	C01
Fencing		
1EW04-LMJ_DJV-HW-DPL-NS07-005308	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 8	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005309	WP005 - Birmingham Interchange Station - Fencing Layout Sheet 9	C01
Road restraint systems		
1EW04-LMJ_DJV-HW-DPL-NS07-005408	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 8	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005409	WP005 - Birmingham Interchange Station - Road Restraint Systems Layout Sheet 9	C02
Drainage and service ducts		
1EW04-LMJ_DJV-DR-DPL-NS07-005508	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 8	C01
1EW04-LMJ_DJV-DR-DPL-NS07-005509	WP005 - Birmingham Interchange Station - Drainage Layout Sheet 9	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005521	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 1 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005522	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 2 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005523	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 3 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005524	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 4 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005525	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 5 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005526	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 6 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005528	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 8 (Area B)	C01
1EW04-LMJ_DJV-DR-DSE-NS07-005529	WP005 - Birmingham Interchange Station - Drainage Longitudinal Profiles Sheet 9 (Area B)	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005501	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 1	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005502	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 2	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005503	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 3	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005504	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 4	C01
1EW04-LMJ_DJV-DR-DSH-NS07-005505	WP005 - Birmingham Interchange Station - Drainage Schedule Sheet 5	C01
Earthworks		
1EW04-LMJ_DJV-GT-DPL-NS07-005008	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 8	C01
1EW04-LMJ_DJV-GT-DPL-NS07-005009	WP 005 - Birmingham Interchange Station - Geotechnical Layout Sheet 9	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005010	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 10	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005011	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 11	C01
1EW04-LMJ_DJV-GT-DSE-NS07-005012	WP 005 - Birmingham Interchange Station - Geotechnical Profiles Sheet 12	C01
1EW04-LMJ_DJV-GT-DDE-NS07-005001	WP 005 - Birmingham Interchange Station - Earthworks Construction Details Sheet 1	C01
1EW04-LMJ_DJV-GT-DDE-NS07-005002	WP 005 - Birmingham Interchange Station - Earthworks Construction Details Sheet 2	C01
Pavements		
1EW04-LMJ_DJV-HW-DPL-NS07-005708	WP005 - Birmingham Interchange Station - Road Pavement Sheet 8	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005709	WP005 - Birmingham Interchange Station - Road Pavement Sheet 9	C01
Kerbs, footways and paved areas		
1EW04-LMJ_DJV-HW-DPL-NS07-005148	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 8	C01
1EW04-LMJ_DJV-HW-DPL-NS07-005149	WP005 - Birmingham Interchange Station - Kerbs, Footways and Paved Areas Sheet 9	C01
Traffic signs and road markings		
1EW04-LMJ_DJV-HW-DPL-NS07-005808	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 8	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005809	WP005 - Birmingham Interchange Station - Traffic Signs Sheet 9	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005908	WP005 - Birmingham Interchange Station - Road Markings Sheet 8	C02
1EW04-LMJ_DJV-HW-DPL-NS07-005909	WP005 - Birmingham Interchange Station - Road Markings Sheet 9	C02
Road lighting / brackets / CCTV masts		
1EW04-LMJ_DJV-EL-DPL-NS07-005108	WP005 - Birmingham Interchange Station - Road Lighting Sheet 8	C01
1EW04-LMJ_DJV-EL-DPL-NS07-005109	WP005 - Birmingham Interchange Station - Road Lighting Sheet 9	C01
Landscape		
1EW04-LMJ_DJV-LS-DGA-NS07-005008	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 8	C01
1EW04-LMJ_DJV-LS-DGA-NS07-005009	WP005 - Birmingham Interchange Station - Landscaping Master Plan & General Arrangement Drawings (1:500) - Sheet 9	C01

1EW04-LMJ_DJV-LS-DPL-NS07-005008	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 8	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005009	WP005 - Birmingham Interchange Station - Planting Plan Drawings (1:500) - Sheet 9	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005068	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 8	C01
1EW04-LMJ_DJV-LS-DPL-NS07-005069	WP005 - Birmingham Interchange Station - Topsoil Plans (1:500) - Sheet 9	C01
1EW04-LMJ_DJV-LS-DSH-NS07-005018	WP005 Birmingham Interchange Station Planting Plans Drawings (1:500) Area B Schedule	C01
Sections		
Alignment and cross sections		
1EW04-LMJ_DJV-HW-DSE-NS07-005230	WP005 - Birmingham Interchange Station - Cross-sections Sheet 10 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005233	WP005 - Birmingham Interchange Station - Cross-sections Sheet 13 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005234	WP005 - Birmingham Interchange Station - Cross-sections Sheet 14 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005235	WP005 - Birmingham Interchange Station - Cross-sections Sheet 15 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005236	WP005 - Birmingham Interchange Station - Cross-sections Sheet 16 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005237	WP005 - Birmingham Interchange Station - Cross-sections Sheet 17 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005238	WP005 - Birmingham Interchange Station - Cross-sections Sheet 18 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005312	WP005 - Birmingham Interchange Station - Typical Cross-sections Sheet 2 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005313	WP005 - Birmingham Interchange Station - Typical Cross-sections Sheet 3 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005137	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 7 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005140	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 10 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005141	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 11 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005142	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 12 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005143	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 13 (Area B)	C02
1EW04-LMJ_DJV-HW-DSE-NS07-005144	WP005 - Birmingham Interchange Station - Longitudinal Profiles Sheet 14 (Area B)	C02
Specifications		
1EW04-LMJ-HW-SPE-NS07-005001	WP005 - Birmingham Interchange Station - Detailed Design - Highway Specification	P01
<i>Please note that standard details are as listed in the above highway specification</i>		
1EW04-LMJ-GT-REP-NS07-005001	WP 005 - BIS Detailed Design - Ground Investigation Report	C01
1EW04-LMJ-GT-REP-NS07-005002	WP 005 - Birmingham Interchange Station - Geotechnical Design Report	C01
Supporting Documents		
Road Safety Audit reports – stages 1 / 2		
1EW04-LMJ-HW-REP-NS07-050016	WP 050 - Birmingham Interchange - Road Safety Audit Stage 1	C02
1EW04-LMJ-HW-REP-NS07-005005	WP005 - Birmingham Interchange Station - Road Safety Audit - Stage 2 - Area A and B	P01
Road Safety Audit Response reports		
1EW04-LMJ-HW-REP-NS07-050023	WP 050 - Road Safety Audit Stage 1 – Designers Team Response	C01
1EW04-LMJ-HW-REP-NS07-005009	WP005 - Birmingham Interchange Station - Road Safety Audit Designers Response Report - Area A and B	C01
Non-Motorised User audit reports		
1EW04-LMJ_DJV-HW-REP-NS07-005005	WP005 - Birmingham Interchange Station - Walking, Cycling and Horse-Riding Assessment Report	P01
Departures		
1EW04-LMJ-HW-FRM-NS07-005001	WP 005 - BIS Detailed Design - A446 North OnSlip-Horizontal Curvature-Agreement in Principle for Highway-related Departure	C01
1EW04-LMJ-HW-FRM-NS07-005002	WP 005 - BIS Detailed Design - A446 North OnSlip-SSD-Agreement in Principle for Highway-related Departure	C01
1EW04-LMJ-HW-FRM-NS07-005003	WP 005 - BIS Detailed Design - A446 Link Road North-Super Elevation-Agreement in Principle for Highway-related Departure	C01
1EW04-LMJ-HW-FRM-NS07-005004	WP 005 - BIS Detailed Design - A446 Link Road South-Super Elevation-Agreement in Principle for Highway-related Departure	C01
1EW04-LMJ-HW-FRM-NS07-005005	WP 005 - BIS Detailed Design - A446 North Link Road-Stopping Sight Distance-Agreement in Principle for Highway-related Departure	C01
1EW04-LMJ_DJV-HW-DLO-NS07-005701	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 1	P04
1EW04-LMJ_DJV-HW-DLO-NS07-005702	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 2	P04
1EW04-LMJ_DJV-HW-DLO-NS07-005703	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 3	P04
1EW04-LMJ_DJV-HW-DLO-NS07-005704	WP005 - Birmingham Interchange Station - Area B - Departure from Standard - Sheet 4	P04
Traffic data / models / calculations		
1EW04-LMJ_DJV-TM-NOT-NS07-005001	WP 005 - Birmingham Interchange Station - Traffic Modelling: Detailed Design Results	C02
1EW04-LMJ_DJV-TM-NOT-NS07-005002	WP 005 - Birmingham Interchange Station - Traffic Modelling: 2013 Hybrid Bill Environmental Statement Sensitivity Testing Results	C01
1EW04-LMJ_DJV-TM-NOT-NS07-005003	WP 005 - Birmingham Interchange Station - Traffic Modelling: Highways England M42 J6 Model Testing Results	C01
Public utilities information		
1EW04-LMJ_DJV-UT-DGA-NS07-005008	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 8	C01

1EW04-LMJ_DJV-UT-DGA-NS07-005009	WP005 - Birmingham Interchange Station - Utilities GA Layout Sheet 9	C01
Environmental information		
1EW04-LMJ-EV-REP-NS07-005006	WP 005 - Birmingham Interchange Station - Environmental Minimum Requirements (EMR) Compliance Note	C01
Health and safety / CDM information		
1EW04-LMJ_DJV-HW-RIA-NS07-005002	GG04 - Safety Risk Assessment	C01
1EW04-LMJ-RK-RIA-NS07-005002	WP005 - Birmingham Interchange Station - Designer's Risk Assessment	P02
DMRB design / check certificates		
1EW04-LMJ-GT-CER-NS07-005001	WP 005 - Birmingham Interchange Station - Ground Investigation Report - Geotechnical Certificate	C01
1EW04-LMJ-GT-CER-NS07-005002	WP 005 - Birmingham Interchange Station - Geotechnical Design Report - Geotechnical Certificate	C01
1EW04-LMJ_DJV-DR-CER-NS07-005001	WP 005 - Birmingham Interchange Station - HD50/16 Drainage Design Certificate	C01