

A303 Sparkford to Ilchester Dualling Scheme
TR010036

6.3 Environmental Statement
Appendix 11.2 Construction Activities and
Plant for Noise Assessment

APFP Regulation 5(2)(a)
Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009
July 2018



Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations
2009**

**A303 Sparkford to Ilchester Dualling
Scheme**

Development Consent Order 201[X]

**6.3 Environmental Statement
Appendix 11.2 Construction Activities and Plant for Noise
Assessment**

Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR010036
Application Document Reference:	6.3
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Version	Date	Status of Version
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1 Construction Activities and Plant for Noise Assessment

1.1.1 The specific plant to be used during construction is not known at this stage as this would be dependent on the final design, programme, contractors and chosen methodology. However, the following table summarises the full plant list that was assumed for the construction assessment.

Table 1.1: Summary of activities and plant

Phase	Activity	Equipment	BS5228-1 reference	Quantity	% on-time
Enabling works	Tree / Hedgerow clearance	Petrol driven chain saw	D.2-14	2	25%
		Strimmer	N / A ⁺	2	25%
		Lorry	C.2-34	1	25%
	Site clearance	Tracked excavator	C.2-2	3	75%
		Wheeled loader	C.2-26	3	50%
		Lorry	C.2-34	2	50%
Earthworks	Topsoil strip	Tracked excavator	C.2-2	2	95%
		Articulated dump truck	C.2-32	5	95%
		Grader	C.6-31	2	95%
		Lorry	C.2-34	2	95%
	Bulk earthworks	Articulated dump truck	C.2-32	5	95%
		Tracked excavator	C.2-2	2	95%
		Dozer	C.2-1	2	95%
		Vibratory compactor	C.5-29	2	95%
		Road rollers	C.5-19	2	95%
		Lorry	C.2-34	2	95%
	Re-soil	Tracked excavator	C.2-2	2	95%
		Dump truck	C.2-30	2	95%
		Lorry	C.2-34	2	60%
	Roadbox and capping	Dump truck	C.2-30	2	95%
		Lorry	C.2-34	2	95%
	Drainage	Pavement drainage, ducting and chambers	Tracked excavator	C.2-2	2
Articulated dump truck			C.2-32	2	25%
Lorry			C.2-34	2	80%
Roadworks	Road pavement construction / asphaltting	Road roller	C.5-19	2	95%
		Vibratory compactor	C.5-29	2	95%
		Asphalt paver (+ tipper lorry)	C.5-33	2	95%
		Dump truck	C.2-30	2	40%
		Lorry	C.2-34	10	40%
		Tracked excavator	C.2-2	2	25%
		Water pump	C.4-88	2	25%
	Road markings	Lorry	C.2-34	2	80%

Phase	Activity	Equipment	BS5228-1 reference	Quantity	% on-time	
Structures	Overbridges at Downhead & Steart Hill; Underbridges at Hazlegrove and Traits Lane	Excavator (360°)	C.4-10	4	95%	
		Dump truck	C.2-30	2	95%	
		Concrete mixer truck + truck mounted concrete pump	C.4-32	2	20%	
		Wheeled mobile crane	C.3-30	2	20%	
		Hydraulic hammer rig	C.3-1	1	70%	
		Poker vibrator	C.4-34	2	30%	
		Compounds	Clearance	Dozer	C.2-1	2
Tracked excavator	C.2-2			2	95%	
Wheeled loader	C.2-26			4	95%	
Articulated dump truck	C.2-32			2	50%	
Compound construction	Tracked crusher		C.1-15	2	40%	
	Dozer		C.2-12	2	40%	
	Vibratory roller		C.2-39	2	40%	
	Lorry		C.2-34	2	50%	
Compound operation	Generator		C.4-76	1	100%	
	Tracked excavator*		C.2-2	1	10%	
	Wheeled loader*		C.2-26	1	10%	
Batching plant compound operation	Batching plant		D.6-11	1	90%	
	Dozer		C.2-12	2	80%	
	Tracked excavator		C.2-21	2	80%	
	Generator		C.4-76	1	100%	
Night-time works	Resurfacing		Dump truck	C.2-30	2	30%
			Tracked excavator	C.2-2	2	40%
		Vibratory roller	C.5-20	1	60%	
		Asphalt paver (+ tipper lorry)	C.5-30	1	60%	
	Roadbox and capping	Dump truck	C.2-30	3	50%	
		Lorry	C.2-34	3	50%	
		+Sound pressure level of L _{Aeq} 72 dB at 10m				
*Included for when materials are being stored at the compound or taken away						