

# **The Lake Lothing (Lowestoft) Third Crossing Order 201[\*]**

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Lake Lothing  
**THIRD  
CROSSING**

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**Document 6.3: Environmental Statement  
Volume 3 Appendices**

## **Appendix 13B**

**Sound Power for Construction**

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## Appendix 13B – Sound power for construction

- 13.1.1 An assessment of construction activities which are considered indicative of the likely works associated with the Scheme, has been undertaken. The assessment has included the prediction of noise levels at nearby NSRs during the construction works. For each construction phase, noise levels for the plant items have been taken from source data in BS 5228-1 or other relevant guidance documents. The percentage 'on-time' has been taken to be 80% for all plant items.
- 13.1.2 A summary of the information used to inform the construction assessment is presented in Table 13B-1.

Table 13B-1- Typical construction activities and equipment used in the construction assessment

Construction Phase	Plant Items	Number of Plant	L <sub>Aeq,T</sub> at 10m
Site Preparation and Earthworks	Rubber Tyred Excavator	1	66 dB
	Tractors	1	79 dB
	Rollers	1	80 dB
	Road lorries for import / disposal	2	80 dB
	2x Montebert hydraulic pick	2	88 dB
	Diesel Generator	2	65 dB
Road Pavement	Road Roller	1	80 dB
	Vibratory Roller	1	80 dB
	Vibratory Compactor	1	82 dB
	Asphalt Paver	1	75 dB
	Road Sweeper	1	76 dB
	Removal/Delivery of Materials	1	80 dB
	Concrete Pump	2	75 dB
	Water Pump	6	62 dB
	Diesel Generator	2	65 dB
Construction Compound	Electric Bolters	3	77 dB
	Handheld air tools	3	82 dB
	Mobile Crane	1	77 dB
	Diesel Generator	2	65 dB

Construction Phase	Plant Items	Number of Plant	L <sub>Aeq,T</sub> at 10m
Bridge Construction	Crawler Crane	1	71 dB
	Vibratory Piling Rig	1	88 dB
	Breaker	1	95 dB
	Jack Hammering	5	85 dB
	150T crane barge	1	84 dB
	Tug boat 12T bollard pull	1	82 dB
	Rotary piling rig	1	83 dB
	Safety boat	1	83 dB
	Sheet pile hydraulic installer	1	63 dB
	Diesel Generator	2	65 dB
Night-time Lake Bridge Construction	150T crane barge	1	84 dB
	Tug boat 12T bollard pull	1	82 dB
	Safety boat	1	83 dB
	Hydraulic hammer rig	1	87 dB
	Sheet pile hydraulic installer	1	63 dB
	Diesel Generator (power for site cabin)	1	65 dB
	Diesel Generator (power for lighting)	1	65 dB