

Planning Statement

Weardale Road bridge replacement – site compound

Hampshire County Council (HCC) are replacing the bridge in Weardale Road. Due to the residential nature of Weardale Road, it is not possible to locate a site compound adjacent to the site.

There are limited options for locating the site compound nearby. HCC have discussed with Hampshire and Isle of Wight Fire and Rescue (H&IOW Fire & Rescue) the possibility of using the green space on Steele Close.

The compound will be required for the duration of the works – currently proposed to start 01 March 2024 and expected to last to end December 2024.

The compound shall comprise:

- double-height steel containers for site offices,
- a welfare unit/toilet facilities,
- parking for approximately 7 cars,
- a storage area – intended usage is for plant/equipment when not in use, and for dry materials such as reinforcement bars and concrete kerbs. The storage area shall not be used for construction waste
- a generator for the compound – details overleaf

The Contractor has provided some guidance as to the compound required and its usage as bullet pointed below.

- Area required approx. 22x20m
- Ground shall be protected with terram geogrid and stone
- Noise shall be kept to a minimum. A quiet generator will be used to power the site offices (see details overleaf). There will be occasional access by lorries and site plant with reversing beepers.
- The site will be secured when not in use and protected with 24-hour CCTV.
- Normal usage of the site compound shall be Monday to Friday 0730 – 1730. Weekend/night usage may be required but is unlikely.
- There will be a waste tank beneath the welfare facilities which will be regularly emptied.

A letter drop will be undertaken to the residents of Steele Close to advise of the site compound being present in advance of the works starting.

It is noted that there are a number of trees on this area of land. The compound shall be located between the trees and shall not encroach onto the canopies.

The area shall be reinstated to the satisfaction of H&IOW Fire & Rescue upon removal of the site compound.

This planning statement is supported by the following drawings and documents:

1. B1339 Flood Risk Assessment
2. CJ253013-ECS-SBR-B1339-DE-S-1715 P06
3. CJ253013-HES-SBR-B1339-SK-S-0003 P01
4. CJ253013-HES-SBR-B1339-SK-S-0004 P02
5. Location Plan – site compound location

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Project Engineer – Structures

Hampshire County Council

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Additional information – generator details



www.stephill-generators.co.uk
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SSDY40V

38.5kVA Super Silent Diesel Generator

GENERATOR SPECIFICATION		ENGINE SPECIFICATION	
Voltage	400/230	Engine	Yanmar 4TNV98C-IYE
Phase	3	Emissions Certified	EU Stage V Compliant
Frequency	50Hz	After Treatment	DOC & DPF
Standby Power	38.5 kVA / 30.8 kW	Cylinders	4
Prime Power	34.6 kVA / 27.7 kW	Combustion System	Direct Injection - Common Rail
Alternator	Meccalte ECP32-254 C	Cooling	Water Cooled
AVR	DER 3Ø Electronic +/- 1%	Displacement	3.319 Litres
Fuel tank capacity	310 Litres	Rpm	1500
Autonomy 100% load	32 Hours 9.47 Litres per hour	Governor Type	Electronic Control
Autonomy 75% load	41 Hours 7.39 Litres per hour	Aspiration	Natural
Autonomy 50% load	63 Hours 4.91 Litres per hour	Net Engine Power	35.2 kW
Autonomy 25% load	126 Hours 2.45 Litres per hour		
LWA	90		
dBA @ 7M	65		
dBA @ 4M	70		



TOTAL Winding Protection



DIMENSIONS (mm) & WEIGHT (KG)				
Status	Length	Width	Height	Weight
Skid dry	2150	1050	1580	1190
Skid wet				1448

POWER DEFINITION

Prime Power (PRP) : Applicable for supplying power to varying electrical load for unlimited hours in accordance ISO 8528-1 under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.

Standby Power : An approximate overload of 10% is allowed for 1 hour in 12. This is typically used for regulation purposes and small unexpected loading.

CONTROL PANEL

- DSE 7310 control module - *see below for details*.
- Hinged control panel for easy access.
- MCCB overload protection.
- Variable RCD protection (30mA - 30A).
- RCD bypass switch.
- 1 x 400V 32A & 1 x 400V 63A BS4343 sockets.
- 1 x 230V 16A & 2 x 230V 32A BS4343 sockets.
- RCBO protection on all 230V sockets.
- Hard wire terminals.
- Remote start connections.
- Emergency stop.

STANDARD FEATURES

- Complete engine monitoring, oil pressure, engine temperatures c/w warnings & shutdowns.
- Aftertreatment - Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF)
- Low fuel level warning.
- Bunded fuel tank.
- Zintec weatherproof enclosure.
- Lifting eye.
- 6-Way diverter valve complete with remote fuel tank quick release (3/8" BSP) fittings.
- Heavy duty 5mm base with fork lift pockets.
- Fork lift hard rubber bumpers.
- Oil drain facility.
- Battery isolator & emergency stop button for safety.
- Radiator water drain facility.

DEEP SEA ELECTRONICS 7310 START/STOP CONTROL MODULE

- Large display back-lit LCD screen showing engine and generator monitoring.
- Engine monitoring via ECU - engine speed, oil pressure, coolant temperature, coolant level etc.
- Volts, HZ, Amps, kW & kVA monitoring & protection.
- Service hours counter with maintenance warning.
- Battery voltage monitoring.
- 2-wire remote start function.
- Remote communication (telemetry) compatible.

**OPTIONS**

- ATS Panel (Automatic Transfer Switch).
- Remote communication (telemetry) available.
- Engine coolant heater.
- Customised socket arrangement on request.
- Power-lock (Litton) connectors.
- Mains battery charger.
- Auto start/stop programmable 7-day timer.
- Air Intake shutdown valve & Spark arrestor.

ROAD TOW TRAILER OPTION

Road trailer certified to 2007/46/CE complete with either a ball or ring hitch.

DIMENSIONS (mm) & WEIGHT (KG)				
Status	Length	Width	Height	Weight
Trailer dry	3950	1600	1800	1400
Trailer wet	3950	1600	1800	1658



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