

Section 3-E**Swanage Town Council - Refurbishment of Toilets - Schedule of Works**

Electrical Rewire - Mermond Place Toilet Block

Item		Description	Cost £
1	General	<p>The following applies to Mermond Place public toilets Swanage, to be read in conjunction with:</p> <p>Drawings: MP001; E101; E103</p> <p>THROUGHOUT THE BUILDING:</p> <p>ELECTRICAL INSTALLATION</p> <p>a) All work to be carried out to current BS7671 and in accordance with work section to this specification.</p> <p>b) Electrical contractor to be NICEIC or equivalent registered for commercial work.</p> <p>c) All installation to be suitable for the environment and be designed as avoiding likely vandalism/ be vandal proof.</p> <p>Scope of works</p> <p>Carefully Strip out existing electrical installation with exception of-</p> <p>Retain flush conduits to power circuits</p> <p>Existing SWA cables feeding external items i.e. amusements/car park machines/floodlights.</p> <p>Rewire to current 17th edition standards</p> <p>Detail of the works</p> <p>Install new LV switchgear, LV distribution, lighting, emergency lighting, external lighting, power, Wallgate unit feeds, Ventilation, DDA water heater feed, disabled toilet alarm. Car charging point (feed only). Reconnect existing external feeds using existing wiring providing it is satisfactory to current standards.</p> <p>All wiring systems and accessories to be suitably vandal and water ingress standard.</p> <p>All accessories to be by Crabtree.</p> <p>LV equipment to be MEM MEMSHIELD 3 range.</p> <p><u>LV Distribution</u></p> <p>The existing installation is supplied by a Three phase DNO (SSE) metered supply.</p> <p>Supply and install the following</p> <p>a) New TP and N MCB Distribution board in Cleaners room - 20% spare ways to be provided. – Surge protection to be provided.</p> <p>Total C/F £</p>	

		<p>Main isolator</p> <p>Main switchgear and all wiring to be suitably rated for the electrical load of all items contained within the installation.</p> <p>b) Allow for cable basket in ceiling voids to support all cabling in loft area.</p> <p>c) Minimum 2.5mm² T&E cabling from DB to power outlets and 1.5 mm² T&E from DB to lighting points. Run cabling within, cable trays/basket, and new/existing conduits.</p> <p>Installation is generally flush wired.</p>	
2	Lighting	<p>Re-new lighting with exception of external floodlight (location not known to writer)</p> <p>Lighting Schedule of luminaires/costs dated 01/09/2017 from Dextra Lighting, Dextra Lighting Ltd., Brickfields Business Park, Gillingham, SP8 4PX -contact –Chris Burt phone number 01747 858100.</p> <p>Lighting design to comply with CIBSE guidance. as defined in Dextra Lightings quotation.</p> <p>LED type lighting to be used throughout the installation.</p> <p>Lighting control – Automatic absence sensing with key switch or 24 hour?</p> <p>Emergency Lighting Design and install emergency lighting system in accordance with BS 5266-1:2011 current edition. External LED luminaire, 2000 lumen, absence microwave sensing. To be emergency type. (Dextra quotation)</p> <p>System to include exit fittings and emergency lights to exterior exits.</p>	
3	Mechanical services electrical requirements	<p>Electric water heaters DDA toilet - Provide supply to new water heater provided by Mechanical service contractor.</p> <p>Ventilation - Provide new ventilation fans to 3 toilets. Electrical contractor to free issue fans to main contractor. Electrical contractor to connect and provide all controls. Absence detection with key switch control.</p>	
4	Schedule by Room	<p>4.1 DDA toilet</p> <p>Install 1 LED luminaire</p> <p>1 x extract fan suitably controlled.</p> <p>1 x disabled toilet alarm system to contract administrator's requirements.</p> <p>1 x hand drier as main spec.</p> <p>Provide water heater for DDA hot water only.</p> <p>1 x Supply to water heater</p>	
Total C/F £			

4.2 Electrical/Plant room

Replace distribution board switchgear

2 x No twin S/S/O metalclad.

1 x No luminaries

4.3 Gents toilet

Install 2 LED luminaire

1 x connection unit for wallgate unit

1 x extract fan suitably controlled.

4.4 Ladies toilet

Install 2 LED luminaire

1 x connection unit for Wallgate unit

1 x extract fan suitably controlled.

4.5 External

External vehicle charging point

Install SWA supply cable to external location to be agreed with contract administrator

Supply to be rated at 63amps single phase to suit pod point requirements.

Supply must be TNS with a separate suitable earth, safely located.

Replace external wall mounted luminaire as per dextra details.

Reconnect existing floodlight to new DB.

Reconnect existing car park ticket machines and amusement feeds to new DB.

		<u>Collection Page</u>	
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2		Lighting	
3		Mechanical Services Electrical Requirements	
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			Total C/F £