

Compound A1: Bills of Quantity

Series: 1200

Item	Equipment	description	Total
1	Traffic signal Controller	ELV 8 phase traffic signal controller and Cabinet provided in accordance with this specification	1
2	Electrical Feeder / Isolation Pillar	Supply Traffic Signal Feeder / Isolation Pillar , 150mm width (internal)	1

Controller Cabinets

Item	Equipment	Description	Total
3	Electrical Feeder Pillar Mains Supply	Procure, supply and install new single phase 32A supply to Traffic Signal Feeder Pillars	1

Power Supplies

Item	Equipment	Description	Total
4	Communications	Procure, supply and install communications as per LHA requirements and appendix 12/5	1

Communications

Series: 1200

Item	Description	Unit	Totals
5	Supply and deliver raised traffic signal controller base	item	1
6	Install Signal Controller and associated equipment	item	1
7	Supply and install UTMC OTU/OMU including all peripherals,wiring and licences	Item	1
8	Install electricity supply from traffic Signal Mini' feeder Pillar into controller	Item	1
9	Supply and Install LED RAG traffic signal head (Primary Hood) with brackets	Item	4
10	Supply and Install LED RAG traffic signal head (secondary Hood) with brackets	Item	2
11	Supply and Install LED RAGa (Ahead) traffic signal head (Primary Hood) with brackets	Item	3
12	Supply and Install LED RAGa (Ahead) traffic signal head (Secondary Hood) with brackets	Item	1
13	Supply and Install Photo-Electric Control Unit (PECU)	Item	1
14	Supply and install 4m Standard traffic signal pole, low access. 114mm diameter	Item	4
15	Supply and install 5.5m Standard traffic signal pole, low access. Hinged, 165mm diameter	Item	2
16	Supply and Install Above ground MVD vehicle detector.	Item	1
17	Supply and Install Above ground Stopline detector	Item	
18	Supply and Install 4 channel Detector Pack	Item	2
19	Detector Loop Slot Cutting / Installation	Night	1
20	Supply and install MOVA unit including configuration of all required software files including .CSV files etc.	Item	1
20	Supply and Install 16 / 20 core SWA traffic signal cable	Metre	260*
21	Supply and Install 8 /12 core SWA traffic signal cable	Metre	60*
22	Supply and Install 1 pair SWA Inductive loop feeder cable	Metre	300*
23	Supply and Install 2 pair SWA Inductive loop feeder cable	Metre	120*
24	Supply and Install 6mm <sup>2</sup> PVC/SWA/PVC cable between the Feeder Pillar and Controller	Metre	2
25	Supply and Install Reusable Bottle Loop Joints (small)	Item	4
26	Supply and install pole / phase/controller id's (letters, numbers including warning labels as required	Item	1
27	Supply cabling identification tags/labels as required	Item	1
28	Supply all necessary UTC/OMU/MOVA In-Station Configuration works	Item	1
29	Arrange and attend Factory Acceptance Tests	Item	1
30	Arrange and Attend Site Acceptance Test / Commissioning	Item	1
31	Supply 12-month warranty and maintenance period per SCN	Item	1

Traffic Signal Equipment

\* Cable lengths are indicative only

Series: 500

32	Traffic Signal Pole Retention Socket, RS115 type, 750mm overall depth, duck foot bend.	Item	4
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33	Traffic Signal Pole Retention Socket, RS168 type, 900mm overall depth, duck foot bend.	Item	<b>2</b>
34	110mm external / 94mm internal diameter Traffic Signal duct, rigid, smooth bore, twin wall, ORANGE.	Metre	<b>350*</b>
35	63mm external / 50mm internal diameter Traffic Signal duct, smooth bore, twin wall, ORANGE.	Metre	<b>10*</b>
36	600mm x 450mm traffic signal access chamber, twin walled, Modular 'Stakka box' type, 900mm depth. With metal frame and non-slip composite lid.	Item	<b>5</b>
37	450mm x 300mm traffic signal access chamber, twin walled, Modular 'Stakka box' type, 600mm depth. With metal frame and non-slip composite lid.	Item	<b>8</b>
38	Carriageway loop box	Item	<b>4</b>
39	Install supplied raised traffic signal controller base	Item	<b>1</b>
40	Install supplied traffic signal 'mini' feeder pillar	Item	<b>1</b>

Ducting, Chambers and Loop Boxes

\*Duct lengths are indicative only and will be agreed on final measures