

EDINBURGH TRAM NETWORK

Schedule Part 45

Appendix C : On Street Works Rates, Prices, Preliminaries and Prolongation Costs

Part 1 : Rates for valuing On Street Works Estimates prior to the On Street Works Trigger Date to the extent that they apply to civil engineering works

Part 1.1 Crummock (Scotland) Limited

Part 1.2 Lagan Construction Limited

Part 2 : Rates for valuing On Street Works Estimates both prior to and after the On Street Works Trigger Date to the extent that they apply to On Street Systems and Trackwork

Part 3 : Rates for civil engineering subcontract resources after the On Street Works Trigger Date.

Part 3.1 Crummock (Scotland) Limited

Part 3.2 Lagan Construction Limited

Part 4 : Basis of Calculation for Schedule of Rates in Part 3

Part 5 : Procedure for Recording Civil Resources

Part 6 : Preliminaries , SubContractors Overhead and Profit Percentage and Head Office Overhead and Profit Percentage

Part 6.1 Civil Engineering Works Preliminaries and Prolongation

Part 6.2 Systems and Trackworks Preliminaries and Prolongation

Part 6.3 Overhead and Profit Percentages

PART 1.1 RATES FOR VALUING ON STREET WORKS ESTIMATES PRIOR
TO THE ON STREET WORKS TRIGGER DATE TO THE EXTENT THAT THEY
APPLY TO CIVIL ENGINEERING WORKS

Item no	Description	Unit	Crummock Rate	Currency
	200 - Site Clearance			
	General site clearance			
200.001	General site clearance	Ha	1,248.00	GBP
	Take up or down and remove to store off Site			
200.002	Take up or down and remove to store off Site - Bin	nr	19.71	GBP
200.003	Take up or down and remove to store off Site - Bollard	nr	34.96	GBP
200.004	Take up or down and remove to store off Site - Bus Shelter	nr	197.03	GBP
200.005	Take up or down and remove to store off Site - Crossing Beacon	nr	87.01	GBP
200.006	Take up or down and remove to store off Site - Cycle Racks	nr	24.78	GBP
200.007	Take up or down and remove to store off Site - Existing Kerb	m	7.10	GBP
200.008	Take up or down and remove to store off Site - Fence	m	12.39	GBP
200.009	Take up or down and remove to store off Site - Lighting Column	nr	157.30	GBP
200.010	Take up or down and remove to store off Site - Post	nr	24.78	GBP
200.011	Take up or down and remove to store off Site - Road Sign	nr	11.18	GBP
200.012	Take up or down and remove to store off Site - Seat	nr	24.48	GBP
200.013	Take up or down and remove to store off Site - Sign on Column	nr	11.18	GBP
200.014	Take up or down and remove to store off Site - Sign on Fence	nr	11.18	GBP
200.015	Take up or down and remove to store off Site - Sign Other	nr	11.18	GBP
200.016	Take up or down and remove to store off Site - Temporary Road Sign	nr	11.18	GBP
200.017	Take up or down and remove to store off Site - Ticket machine	nr	106.77	GBP
200.018	Take up or down and remove to store off Site - Traffic Signal	nr	46.61	GBP
	Take up or down and remove to tip off Site			
200.019	Take up or down and remove to tip off Site - Bollard	nr	56.93	GBP
200.020	Take up or down and remove to tip off Site - Fence	m	5.65	GBP
200.021	Take up or down and remove to tip off Site - Gully & Grating (Drainage info)	nr	55.22	GBP
200.022	Take up or down and remove to tip off Site - Post	nr	15.08	GBP
	Take up or down and set aside for reuse			
200.023	Take up or down and set aside for reuse - Road Sign	nr	15.08	GBP
200.024	Take up or down and set aside for reuse - Bollard	nr	49.57	GBP
200.025	Take up or down and set aside for reuse - BT Phonebox - Slab Only	nr	7,982.63	GBP
200.026	Take up or down and set aside for reuse - Control Box	nr	109.18	GBP
200.027	Take up or down and set aside for reuse - Decorative Lantern	nr	254.10	GBP
200.028	Take up or down and set aside for reuse - Existing Kerbs (Paving/footway info)	m	10.25	GBP
200.029	Take up or down and set aside for reuse - Fire Hydrant	nr	99.13	GBP
200.030	Take up or down and set aside for reuse - Grit Box	nr	97.90	GBP
200.031	Take up or down and set aside for reuse - Paving Slabs (Paving/footway info)	m2	7.10	GBP
200.032	Take up or down and set aside for reuse - Post Box	nr	34.96	GBP
200.033	Take up or down and set aside for reuse - Ticket Machine	nr	193.78	GBP
200.034	Take up or down and set aside for reuse - Tracker	nr	193.78	GBP
200.035	Take up or down and set aside for reuse - Traffic Signal	nr	87.01	GBP

EDINBURGH TRAM NETWORK
ON STREET WORKS : SECTION 1C
SCHEDULE PART 45: APPENDIX C :

PART 1.1 RATES FOR VALUING ON STREET WORKS ESTIMATES PRIOR
TO THE ON STREET WORKS TRIGGER DATE TO THE EXTENT THAT THEY
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Item no	Description	Unit	Crummock Rate	Currency
	300 - Fencing			
	Fencing, Gates and Stiles			
300.001	Remove from store and re-erect bollards (S/Clear Info)	nr	116.24	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	400 - Road Restraint Systems			
	Pedestrian Parapets and Pedestrian Guardrails			
400.001	Pedestrian guardrail, High Visibility as per Broxap product BX14 4206 or equal approved, 1m high, on paved surfaces, curved not exceeding 50 metres radius.	m	85.57	GBP
400.002	Pedestrian guardrail, High Visibility as per Broxap product BX14 4206 or equal approved, 1m high, on paved surfaces, straight or curved exceeding 50 metres radius.	m	79.36	GBP

PART 1.1 RATES FOR VALUING ON STREET WORKS ESTIMATES PRIOR
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Item no	Description	Unit	Crummock Rate	Currency
	500 - Drainage & Service Ducts			
	Chambers and Gullies			
500.001	Comms Cable Access/Pull Chamber, Chamber Type B, 900mm x 900mm, depth not exceeding 1 metre, average depth to invert level 1.000 metres	nr	2,154.30	GBP
500.002	External Backdrop built into existing manhole, ne 300mm dia pipe, ne 3.00m to invert.	nr	1,025.07	GBP
500.003	Gully, as per detail on drawing ULE90130-SW-DNE-00067 Rev 4 , depth not exceeding 1 metre, grating as per detail.	nr	288.71	GBP
500.004	Internal Backdrop built into existing manhole, ne 300mm dia pipe, ne 3.00m to invert.	nr	991.08	GBP
500.005	Internal Backdrop built into existing manhole, ne 300mm dia pipe, ne 4.50m to invert.	nr	1,025.07	GBP
500.006	Manhole, 1050 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.625 metres, cover & Frame as per detail.	nr	1,100.13	GBP
500.007	Manhole, 1050 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.652 metres, cover & Frame as per detail.	nr	1,100.13	GBP
500.008	Manhole, 1050 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.664 metres, cover & Frame as per detail.	nr	1,100.13	GBP
500.009	Manhole, 1050 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.673 metres, cover & Frame as per detail.	nr	1,100.13	GBP
500.010	Manhole, 1200 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.803 metres, cover & Frame as per detail.	nr	1,446.27	GBP
500.011	Manhole, 1200 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.805 metres, cover & Frame as per detail.	nr	1,446.27	GBP
500.012	Manhole, 1200 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 2 metre not exceeding 3 metres, average depth to invert level 2.158 metres, cover & Frame as per detail.	nr	1,522.95	GBP
500.013	New korb outlet gully, no detail , depth not exceeding 1 metre, c/w grating.	nr	291.50	GBP
500.014	Pavement gully, no detail , depth not exceeding 1 metre, c/w grating.	nr	288.71	GBP
500.015	Rail groove drain	nr	89.10	GBP
500.016	Small chamber IMU box	nr	235.76	GBP
500.017	TEC Chamber Civils Works	nr	1,100.00	GBP
500.018	Traction Power Cable Pulling Chanber, Chamber Type A, 1800mm x 900mm, depth not exceeding 1 metre, average depth to invert level 1.000 metres	nr	3,264.21	GBP
	Connections			
500.019	Connection to existing chamber, pipe diameter 150mm, depth to invert not exceeding 2 metres.	nr	943.95	GBP
500.020	Connection to existing drain 350mm dia, pipe diameter 150mm, depth to invert not exceeding 4 metres.	nr	824.32	GBP
500.021	Connection to existing drain, pipe diameter 150mm, depth to invert not exceeding 2 metres.	nr	389.55	GBP
500.022	Connection to existing drain, pipe diameter 225mm, depth to invert not exceeding 2 metres.	nr	440.42	GBP
500.023	Connection to existing drain, pipe diameter 50mm, depth to invert not exceeding 2 metres.	nr	389.55	GBP
	Drains			
500.024	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.50m, gully connection with concrete bed and surround, in trench.	m	86.13	GBP

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Item no	Description	Unit	Crummock Rate	Currency
500.025	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.701m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	86.13	GBP
500.026	Drain, 225mm diameter, depth to invert exceeding 2 metres but not exceeding 4 metres, average depth to invert 2.092m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	139.54	GBP
500.027	Drain, 225mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.675m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	115.45	GBP
500.028	Drain, 225mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.684m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	115.45	GBP
500.029	Drain, 225mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.716m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	115.45	GBP
500.030	Drain, 225mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.734m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	115.45	GBP
500.031	Drain, 225mm diameter, depth to invert not exceeding 2 metres, average depth to invert 2.1m, main carrier drain with bed and surround as per CEC Standard Detail 5001 Type S, in trench.	m	139.54	GBP
500.032	Drain, 50mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.00m, IMU box connection with concrete bed and surround, in trench.	m	86.13	GBP
	Excavation in Hard Material			
500.033	Extra over excavation for excavation in Hard Material in drainage	m ³	80.58	GBP
	Renewal, Raising or Lowering of Covers and Gratings on Existing Chambers and Gullies			
500.034	Raising/Lowering the level of existing chamber, not exceeding 150 mm chamber area not exceeding 0.25m ²	nr	65.10	GBP
500.035	Raising/Lowering the level of existing chamber, not exceeding 150 mm, chamber area exceeding 0.25m ² but not exceeding 0.5m ²	nr	196.99	GBP
500.036	Raising/Lowering the level of existing chamber, not exceeding 150 mm, chamber area exceeding 0.5m ² but not exceeding 1.0m ²	nr	230.76	GBP
500.037	Raising/Lowering the level of existing chamber, not exceeding 150 mm, chamber area exceeding 1.0m ² but not exceeding 2.0m ²	nr	298.32	GBP
500.038	Raising/Lowering the level of existing chamber, not exceeding 150 mm.	nr	125.10	GBP
500.039	Raising/lowering the level of existing gully grating, not exceeding 150 mm.	nr	125.10	GBP
	Service Ducts			
500.040	1 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	64.41	GBP
500.041	1 x 150mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	64.41	GBP
500.042	1 x 300mm and 2 x150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	78.07	GBP
500.043	1 x 300mm and 5 x150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	100.02	GBP
500.044	1 x 50mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	64.41	GBP

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Item no	Description	Unit	Crummock Rate	Currency
500.045	2 x 300mm and 1 x150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	108.21	GBP
500.046	2 x 300mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	101.54	GBP
500.047	3 x 300mm and 2 x150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	142.77	GBP
500.048	4 x 150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	74.44	GBP
500.049	4 x 300mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	136.87	GBP
500.050	6 x 150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	90.75	GBP
500.051	7 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	88.11	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	600 - Earthworks			
	Compaction			
600.001	Compaction of Imported fill Class 6F as capping laiyer	m3	3.29	GBP
	Excavation			
600.002	EO Excavate unsuitable hard material	m3	35.81	GBP
600.003	Excavate unsuitable material	m3	14.07	GBP
600.004	Dispose of unsuitable material to tips off site	m3	17.22	GBP
	Fill			
600.005	Imported fill Class 6F as capping laiyer	m3	33.77	GBP
	Geotextiles			
600.006	Geogrid laid below capping layer; Tensar TX160G or similar approved to surfaces sloping less than ten degrees to the horizontal	m2	3.21	GBP
	Preparation of formation			
600.007	Prepare formation	m2	0.66	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	700 - Pavements			
	Pavement			
700.001	HDMBC Binder course 60mm thick	m2	11.55	GBP
700.002	HDMRB Base Course 170mm thick	m2	30.12	GBP
700.003	HDMRB Base Course 200mm thick	m2	34.92	GBP
700.004	HDMRB Base Course 210mm thick	m2	36.47	GBP
700.005	HDMRB Base Course 250mm thick	m2	45.00	GBP
700.006	SC Setts	m2	135.49	GBP
700.007	SC Surface Course 40mm thick	m2	13.09	GBP
700.008	Unreinforced Pavement Construction	m3	191.08	GBP
	Sub-base			
700.009	Type 1 Sub-base In carriageway, hardshoulder and hardstrip.	m3	40.17	GBP
	Surface Treatment			
700.010	Bus Lane Surface Colour, Slurry Seal to Appendix 7/7, Colour: Green, minimum PSV 65	m2	13.20	GBP
700.011	High Friction Surface Type 1, Colour: Black, Minimum PSV 70	m2	12.98	GBP
700.012	Tram only surfacing, Prismo Imprint Surfacing or similar approved, colour: Charwood Grey, Brick Pattern (Stretcher Bond), minimum PSV 65	m2	125.40	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	1100 - Kerbs, Footways and Paved Areas			
	Channels			
1100.001	Dished channel, Type K12 as per drawing ULE90130-01-HRL-01131, Straight or curved exceeding 12 metres radius. (Drainage Info)	m	37.08	GBP
	Footways and Paved Areas			
1100.002	Footway Detail 1 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	27.58	GBP
1100.003	Footway Detail 1 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	27.58	GBP
1100.004	Footway Detail 1 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	32.22	GBP
1100.005	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.006	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.007	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.008	Footway Detail 3 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.009	Footway Detail 3 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.010	Footway Detail 3 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.011	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; New buff coloured square edged Perfecta finish 450 x 450, nominal 63mm thick, paving slabs; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	68.62	GBP
1100.012	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.013	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.014	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.015	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.016	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
	Footways and Paved Areas (Continued)			
1100.017	Footway Detail 10 as per drawing ULE90130-01-HRL-01131; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.018	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.019	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; New buff coloured square edged Perfecta finish 450 x 450, nominal 63mm thick, paving slabs; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	68.62	GBP
1100.020	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; New buff coloured square edged Perfecta finish 450 x 450, nominal 63mm thick, paving slabs; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	68.62	GBP

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1100.021	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	28.42	GBP
1100.022	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.023	Footway Detail 7 as per drawing ULE90130-01-HRL-01131; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.024	Footway Detail 7 as per drawing ULE90130-01-HRL-01131; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar (Allow 25% of measured area to be relaid)	m2	28.42	GBP
1100.025	Footway Detail 7 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.026	Footway Detail 8 as per drawing ULE90130-01-HRL-01131; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.027	Footway Detail 8 as per drawing ULE90130-01-HRL-01131; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar (Allow 25% of measured area to be relaid)	m2	28.42	GBP
1100.028	Footway Detail 8 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	32.98	GBP
1100.029	Footway Detail 9 as per drawing ULE90130-01-HRL-01131; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	28.42	GBP
1100.030	Footway Detail 9 as per drawing ULE90130-01-HRL-01131; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar (Allow 25% of measured area to be relaid)	m2	28.42	GBP
1100.031	Footway Detail 9 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	32.98	GBP
1100.032	Paved area; New Central Island as per Detail 2 on drawing ULE90130-01-HRL-01138; 100mm thick setts - 100mm x 200mm; bedded on 50mm depth 2-5mm crushed rock aggregate; on 70mm depth of 20mm open graded basecourse; on 150mm depth of Type 1 Sub-base	m2	153.95	GBP
1100.033	Paved area; New Central island as per Detail 2 on drawing ULE90130-01-HRL-01138; Sandstone Paving 400 x 400 x 70mm min. thickness; bedded on 25mm of dry mix mortar; on 150mm depth of Type 1 Sub-base	m2	136.89	GBP
1100.034	Paved area; Raised Table as per Detail 24 on drawing ULE90130-01-HRL-01132; 100mm thick setts - 100mm x 200mm; bedded on 50mm depth cement stabilised aggregate; on 200mm depth of #DM basecourse; on 150mm depth of Type 1 Sub-base	m2	173.89	GBP
1100.035	Tactile Paving 400 x 400 x 63mm bedded on 25mm of dry mortar mix	m2	70.34	GBP
	Kerbs			
1100.036	Kerb; Type K10 as per drawing ULE90130-01-HRL-01131; Straight or curved exceeding 12 metres radius.	m	72.74	GBP
1100.037	Kerb; Type K11 as per drawing ULE90130-01-HRL-01131; Straight or curved exceeding 12 metres radius.	m	72.74	GBP
1100.038	Kerb; Type K13 as per drawing ULE90130-01-HRL-01134; Straight or curved exceeding 12 metres radius.	m	72.74	GBP
1100.039	Kerb; Type K14 as per drawing ULE90130-01-HRL-01134; Straight or curved exceeding 12 metres radius.	m	72.74	GBP
1100.040	Kerb; Type K15 as per drawing ULE90130-01-HRL-01134; Straight or curved exceeding 12 metres radius.	m	72.74	GBP
1100.041	Kerb; Type K7 as per drawing ULE90130-SW-CND-00002; Straight or curved exceeding 12 metres radius.	m	70.31	GBP
	Remove from Store and Relay Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems			
1100.042	Kerbs previously set aside; Type K10 as per drawing ULE90130-01-HRL-01131; Straight or curved exceeding 12 metres radius.	m	25.24	GBP
1100.043	Kerbs previously set aside; Type K14 as per drawing ULE90130-01-HRL-01134; Straight or curved exceeding 12 metres radius.	m	22.93	GBP

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Item no	Description	Unit	Crummock Rate	Currency
1100.044	Kerbs previously set aside; Type K7 as per drawing ULE90130-SW-CND-00002; Straight or curved exceeding 12 metres radius.	m	24.66	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	1200 - Traffic Signs and Road Markings			
	Civil Works to Signal Equipment			
1200.001	Civil works to a single pole installation	nr	316.99	GBP
1200.002	Civil works to Controller installation	nr	267.30	GBP
1200.003	Civil works to Haldo Pillar installation	nr	267.30	GBP
1200.004	Civil works to Tram Controller installation	nr	267.30	GBP
1200.005	D400 NAL Loop Boxes	nr	64.00	GBP
1200.006	NAL D400 Loop Box	nr	64.00	GBP
	Lines (White)			
1200.007	Continuous line as per ULE90130-SW-SPN-00100, 100mm wide in white	m	0.83	GBP
1200.008	Continuous line as per ULE90130-SW-SPN-00100, 250mm wide in white	m	2.75	GBP
1200.009	Continuous line as per ULE90130-SW-SPN-00100, 300mm wide in white	m	3.30	GBP
1200.010	Continuous line as per ULE90130-SW-SPN-00100, 75mm wide in white	m	0.83	GBP
1200.011	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 100mm wide in white	m	1.10	GBP
1200.012	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 150mm wide in white	m	1.10	GBP
1200.012	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 250mm wide in white	m	1.10	GBP
1200.013	Intermittent line as per ULE90130-SW-SPN-00100, 4000mm mark 2000mm gap, 100mm wide in white	m	1.10	GBP
1200.014	Intermittent line as per ULE90130-SW-SPN-00100, 4000mm mark 2000mm gap, 150mm wide in white	m	1.38	GBP
1200.015	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 300mm gap, 100mm wide in white	m	0.83	GBP
1200.016	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 300mm gap, 200mm wide in white	m	0.83	GBP
1200.017	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 600mm gap, 100mm wide in white	m	1.10	GBP
1200.018	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 600mm gap, 50mm wide in white	m	0.83	GBP
	Lines (Yellow)			
1200.019	Continuous line as per ULE90130-SW-SPN-00100, 200mm wide in yellow	m	1.38	GBP
1200.020	Continuous line as per ULE90130-SW-SPN-00100, 75mm wide in yellow	m	1.10	GBP
1200.021	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 150mm wide in yellow	m	1.10	GBP
1200.022	Intermittent line as per ULE90130-SW-SPN-00100, 100mm mark 2400mm gap, 150mm wide in yellow	m	1.10	GBP
1200.023	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 600mm gap, 50mm wide in yellow	m	0.88	GBP
	Permanent Bollards			
1200.024	Permanent Bollard Internally illuminated; Sign to Diag. No. 610	nr	401.50	GBP
	Remove from Store and Re-erect Traffic Signs			
1200.025	Remove from store and re-erect Road Signs (S/Clear Info)	nr	42.35	GBP
1200.026	Remove from store and re-erect Traffic Sign to Diag. No. 2101 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on two 86.9 x 3.2 CHS post	nr	311.30	GBP
1200.027	Remove from store and re-erect Traffic Sign to Diag. No. 2509.1 as unlit sign (Variable message sign); 6.00m2 to 7.00m2 in area; mounted on two 86.9 x 3.2 CHS post	nr	2,838.00	GBP
1200.028	Remove from store and re-erect Traffic Sign to Diag. No. 618.3 as lit sign; 0.50m2 to 0.75m2 in area; mounted on one 114.3 x 5.0 CHS post	nr	686.40	GBP
	Signs			

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Item no	Description	Unit	Crummock Rate	Currency
1200.029	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2101 as unlit sign; 6.00m2 to 7.00m2 in area; mounted on three new 139.7 x 6.3 CHS posts	nr	2,439.97	GBP
1200.030	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2101 as unlit sign; 7.00m2 to 8.00m2 in area; mounted on three new 168.3 x 6.3 CHS posts	nr	3,052.50	GBP
1200.031	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2101 as unlit sign; 8.00m2 to 9.00m2 in area; mounted on three new 168.3 x 6.3 CHS posts	nr	3,459.50	GBP
1200.032	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2101 as unlit sign; 9.00m2 to 10.00m2 in area; mounted on three new 168.3 x 6.3 CHS posts	nr	4,055.04	GBP
1200.033	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2112 as unlit sign; 3.00m2 to 4.00m2 in area; mounted on two new 139.7 x 6.3 CHS posts	nr	2,156.00	GBP
1200.034	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2112 as unlit sign; 4.00m2 to 5.00m2 in area; mounted on two new 168.3 x 6.3 CHS posts	nr	1,292.50	GBP
1200.035	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2112 as unlit sign; 8.00m2 to 9.00m2 in area; mounted on three new 168.3 x 6.3 CHS posts	nr	2,451.90	GBP
1200.036	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2125 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on two existing/other posts	nr	67.10	GBP
1200.037	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2125 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on two new 76.1 x 3.2 CHS posts	nr	303.60	GBP
1200.038	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2125 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on two existing/other posts	nr	605.00	GBP
1200.039	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2125 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on two new 114.3 x 5.0 CHS posts	nr	729.30	GBP
1200.040	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2125 as unlit sign; 2.00m2 to 3.00m2 in area; mounted on two new 114.3 x 5.0 CHS posts	nr	605.00	GBP
1200.041	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2601.1 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	555.50	GBP
1200.042	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2601.1 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	31.69	GBP
1200.043	Permanent Class 1 reflectorised Traffic Sign to Diag. No. 2601.1 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	77.32	GBP
1200.044	Permanent reflectorised Traffic Sign to Diag. No. 640 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	9.90	GBP
1200.045	Permanent reflectorised Traffic Sign to Diag. No. 640 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	125.40	GBP
1200.046	Permanent reflectorised Traffic Sign to Diag. No. 640 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	9.90	GBP
1200.047	Permanent reflectorised Traffic Sign to Diag. No. 640 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	116.05	GBP
1200.048	Permanent reflectorised Traffic Sign to Diag. No. 640/974 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	159.50	GBP
1200.049	Permanent reflectorised Traffic Sign to Diag. No. 650.1 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	18.70	GBP
1200.050	Permanent reflectorised Traffic Sign to Diag. No. 650.1 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	125.40	GBP
1200.051	Permanent reflectorised Traffic Sign to Diag. No. 660 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	18.70	GBP
1200.052	Permanent reflectorised Traffic Sign to Diag. No. 660 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	116.05	GBP
1200.053	Permanent reflectorised Traffic Sign to Diag. No. 660.4 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	112.72	GBP
1200.054	Permanent reflectorised Traffic Sign to Diag. No. 660.7 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	9.90	GBP
1200.055	Permanent reflectorised Traffic Sign to Diag. No. 661A as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	9.90	GBP
1200.056	Permanent reflectorised Traffic Sign to Diag. No. 877 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	237.05	GBP
1200.057	Permanent reflectorised Traffic Sign to Diag. No. 956 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	9.90	GBP
1200.058	Permanent reflectorised Traffic Sign to Diag. No. 958 ALT.5 as unlit sign; 0.75m2 to 1.00m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	286.00	GBP
1200.059	Permanent reflectorised Traffic Sign to Diag. No. 958/961 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on one new 114.3 x 5.0 CHS post	nr	554.64	GBP

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1200.060	Permanent reflectorised Traffic Sign to Diag. No. 959 ALT.5 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on one existing/other post	nr	330.00	GBP
1200.061	Permanent reflectorised Traffic Sign to Diag. No. 959 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	244.20	GBP
1200.062	Permanent reflectorised Traffic Sign to Diag. No. 959/961 as unlit sign; 0.75m2 to 1.00m2 in area; mounted on one new 88.9 x 4.0 CHS post	nr	447.15	GBP
1200.063	Permanent reflectorised Traffic Sign to Diag. No. 960 ALT.2 as unlit sign; 0.75m2 to 1.00m2 in area; mounted on two new 88.9 x 3.2 CHS posts	nr	447.15	GBP
1200.064	Permanent reflectorised Traffic Sign to Diag. No. 962 ALT.2 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	275.00	GBP
1200.065	Permanent reflectorised Traffic Sign to Diag. No. 964 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	27.50	GBP
1200.066	Permanent reflectorised Traffic Sign to Diag. No. 964 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	185.35	GBP
1200.067	Permanent reflectorised Traffic Sign to Diag. No. 974 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	7.70	GBP
1200.068	Permanent reflectorised Traffic Sign to Diag. No. 974/640 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	137.50	GBP
1200.069	Permanent Traffic Sign to Diag. No. 954 ALT.2 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	412.50	GBP
1200.070	Permanent Traffic Sign to Diag. No. 601.1 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	515.90	GBP
1200.071	Permanent Traffic Sign to Diag. No. 602 as lit sign; not exceeding 0.25m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	604.92	GBP
1200.072	Permanent Traffic Sign to Diag. No. 606 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	450.96	GBP
1200.073	Permanent Traffic Sign to Diag. No. 612 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	515.90	GBP
1200.074	Permanent Traffic Sign to Diag. No. 613 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	515.90	GBP
1200.075	Permanent Traffic Sign to Diag. No. 616 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	604.95	GBP
1200.076	Permanent Traffic Sign to Diag. No. 652 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	462.00	GBP
1200.077	Permanent Traffic Sign to Diag. No. 772 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	541.20	GBP
1200.078	Permanent Traffic Sign to Diag. No. 778.1 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	412.50	GBP
1200.079	Permanent Traffic Sign to Diag. No. 954 ALT.9 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	412.50	GBP
1200.080	Permanent Traffic Sign to Diag. No. 956 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	429.00	GBP
1200.081	Permanent Traffic Sign to Diag. No. 956 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	429.00	GBP
1200.082	Permanent Traffic Sign to Diag. No. 957 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	429.00	GBP
	Studs			
1200.083	Road studs, 100x100mm stainless steel non-reflective	nr	9.90	GBP
	Symbols (White)			
1200.084	Arrow as per ULE90130-SW-SPN-00100, 2000mm long, in white	nr	23.10	GBP
1200.085	Arrow as per ULE90130-SW-SPN-00100, 4000mm long, in white	nr	23.10	GBP
1200.086	Arrow as per ULE90130-SW-SPN-00100, 6000mm long, in white	nr	38.50	GBP
1200.087	Arrow as per ULE90130-SW-SPN-00100, 8000mm long, in white	nr	57.20	GBP
1200.088	Cycle Route Symbol as per ULE90130-SW-SPN-00100, 1215 long, engraved into paving slab to a depth of 5mm	nr	682.00	GBP
1200.089	Cycle Route Symbol as per ULE90130-SW-SPN-00100, 1215 long, in white	nr	27.50	GBP
1200.090	Cycle Route Symbol as per ULE90130-SW-SPN-00100, 2750 long, in white	nr	49.50	GBP

Item no	Description	Unit	Crummock Rate	Currency
1200.091	Give Way/Yield triangle as per ULE90130-SW-SPN-00100, 1250mm wide 3750mm long, in white	nr	38.50	GBP
1200.092	Hatching as per ULE90130-SW-SPN-00100, 150mm wide continuous line at 3000mm spacing with border, in white	m2	4.40	GBP
1200.093	Letter as per ULE90130-SW-SPN-00100, 1600mm high 1000mm wide, in white	nr	6.88	GBP
	Symbols (Yellow)			
1200.094	Junction Crisscross Box as per ULE90130-SW-SPN-00100, 200mm wide continuous line at 2000mm spacing both ways with border, in yellow	m2	4.40	GBP
1200.095	Kerb Markings as per ULE90130-SW-SPN-00100, 100mm wide 250mm long, in yellow	nr	0.66	GBP
	Traffic Signal Chambers			
1200.096	Duct Chamber, 450 x 450mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail.	nr	326.50	GBP
1200.097	Duct Chamber, 600 x 600mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail. Shared with street lighting	nr	389.21	GBP
1200.098	Duct Chamber, 650 x 450mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail.	nr	389.21	GBP
1200.099	Duct Chamber, 650 x 450mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail. Shared with street lighting	nr	389.21	GBP
	Traffic Signal Ducts			
1200.100	1 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	28.36	GBP
1200.101	1 x 50mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	28.36	GBP
1200.102	12 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.30m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	136.14	GBP
1200.103	2 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	44.52	GBP
1200.104	3 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	81.50	GBP
1200.105	3 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	51.09	GBP
1200.106	4 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	82.14	GBP
1200.107	4 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	54.01	GBP
1200.108	6 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	100.33	GBP
1200.109	7 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	81.65	GBP

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Item no	Description	Unit	Crummock Rate	Currency
1200.110	8 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	106.70	GBP
1200.111	8 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	83.08	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts			
	Columns, Brackets and Wall Mountings			
1300.001	New 10M root planted tapered conical steel lighting column with a side entry mounted Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT Lamp (HES2/1627/LPG/100/25/Set at 0 deg), on a 1M bracket arm	nr	4,277.00	GBP
1300.002	New OLE mounted side entry Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT Lamp (HES2/1627/LPG/100/-25/Set at 0 deg), on a 1M bracket arm at 10M mounting height	nr	1,140.00	GBP
1300.003	New OLE mounted x 2 no side entry Urbis Hestia 2 Lanterns, fitted with a 250W CDO-TT Lamp (HES2/1627/LPG/100/-25/Set at 0 deg), on a double bracket arm (1M projection) mounted at 10M	nr	2,123.00	GBP
1300.004	New surface mounted Philips MVF617 floodlight to be tilted at an aiming angle of 35 deg., fitted with a 250W CDO-TT Lamp, fixed/mounted to similar heights as existing	nr	725.00	GBP
1300.005	New surface mounted Philips MVF617 floodlight to be tilted at an aiming angle of 35 deg., fitted with a 250W CDO-TT Lamp, fixed/mounted to similar heights as existing (Where a stirrup bracket is not suitable. An outreach bracket may be used with the agreement of the CEC lighting representative.)	nr	775.00	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	1400 - Electrical Works for Road Lighting and Traffic Signs			
	Cable and Duct			
1400.001	1No x 1.5 sq. mm 2L core mineral insulated copper clad cable with PVC sheath coloured black to BS EN 60702-1, fixed above ground.	m	12.85	GBP
1400.002	1No x 6 sq. mm 2 core PVC/SWA/PVC/XLPE cable, laid in duct.	m	5.25	GBP
1400.003	1No x 16 sq. mm 2 core PVC/SWA/PVC/XLPE cable, laid in duct.	m	8.09	GBP
1400.004	1No x 16 sq. mm 3 core PVC/SWA/PVC/XLPE cable, laid in duct.	m	5.25	GBP
	Cable Joints and Terminations			
1400.005	Cable terminations	nr	100.00	GBP
	Chambers			
1400.006	Control Cabinet	nr	1,250.00	GBP
1400.007	New Ducting Chamber Type 1 (450mm x 300mm) n.e. 1m deep, with D400 Lid	nr	350.00	GBP
1400.008	Wall mounted Service Box	nr	900.00	GBP
	Duct			
1400.009	1No x 105mm Dia. plastic continuous corrugated purple duct to BS EN50086-2-4 (Type 450N) in trench, depth not exceeding 1.5 metres.	m	3.97	GBP
1400.010	Lift and relay existing footpaths out with the new construction areas for street lighting and traffic signal / sign duct installations. Relay to match existing.	m2	36.05	GBP
	Trench for Cable or Duct			
1400.011	Trench for Duct, width of trench to accommodate one number n.e. 150mm dia. duct, depth of trench not exceeding 1.5m, in carriageways, footways and paved areas	m	49.97	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	2400 - Brickwork, Blockwork and Stonework			
	Brickwork, Blockwork and Stonework			
2400.001	Adapt Wall (S/Clear Info)	m	660.00	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	2500 - Special Structures			
	Special Structures			
2500.001	Adapt WC (S/Clear Info)	nr	189.00	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	6001 - Re-erection			
	Remove from Store and Re-erect			
6001.001	Remove from Store and Re-erect BT Phonebox (S/Clear Info)	nr	10,184.05	GBP
6001.002	Remove from Store and Re-erect Control Box (S/Clear Info)	nr	166.16	GBP
6001.003	Remove from Store and Re-erect Grit Box (S/Clear Info)	nr	40.43	GBP
6001.004	Remove from Store and Re-erect Post Box (S/Clear Info)	nr	85.87	GBP
6001.005	Remove from Store and Re-erect Ticket Machine (S/Clear Info)	nr	166.16	GBP
6001.006	Remove from Store and Re-erect Tracker (S/Clear Info)	nr	166.16	GBP
6001.007	Remove from Store and Re-erect Traffic Signal (S/Clear Info)	nr	166.16	GBP
6001.008	Remove from Store and Re-install Decorative lantern (S/Clear info)	nr	453.20	GBP
6001.009	Remove from Store and Re-install Fire Hydrant (S/Clear Info)	nr	85.87	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	6002 - OLE Bases			
	OLE Bases			
6002.001	Reinforced Concrete OLE Pole foundation complete, all as shown on drawing No ULE90390-SW-OLE-00023 including holding down arrangement shown on drawing No D.0215-EL-S7005-A300-B and earthing arrangement as shown on drawing No ULE90130-SW-OLE-00066 Rev 2.	nr	2,347.23	GBP
6002.002	Reinforced Concrete OLE Pole foundation complete, all as shown on drawing No ULE90390-SW-OLE-00024 including holding down arrangement shown on drawing No D.0215-EL-S7005-A301-B and earthing arrangement as shown on drawing No ULE90130-SW-OLE-00066 Rev 2.	nr	3,372.67	GBP

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Item no	Description	Unit	Crummock Rate	Currency
	6003 - Trackform			
	Earthworks			
6003.001	Additional Disposal of unsuitable material to tips off site	m3	17.22	GBP
6003.002	Additional excavation of unsuitable hard material down to the final formation level for the Track box	m3	35.81	GBP
6003.003	Dispose of unsuitable to tips off site	m3	17.22	GBP
6003.004	Excavate unsuitable hard material to the level of the highest allowable formation for the Track box	m3	14.07	GBP
6003.005	Preparation of formation to Track box	m2	0.66	GBP
	Finishes			
6003.006	High Friction Surfacing classification Type 1, minimum PSV:70, Colour: to match adjacent road surface colour, all to HD28/04 and HD36/06	m2	12.98	GBP
6003.007	SC Setts	m2	138.46	GBP
6003.008	SC Surface Course 40mm thick	m2	11.20	GBP
	Structure			
6003.009	50mm Blinding Concrete	m3	160.78	GBP
6003.010	Track Slab up to 404mm thick: 2 Stage Concrete slab, (2nd stage tinted concrete), inc reinforcement, formwork, and earthing and bonding, 2 coats bituminous paint to buried surfaces, glass reinforced stress membrane transverse contraction & expansion joints, and sealing between upstands and adjacent works and all other works as necessary	m	473.59	GBP
6003.011	Trackform 250mm thick: track formation improvement slab, inc 3 layers mesh reinforcement, formwork, and earthing and bonding, 2 coats bituminous paint to buried surfaces, transverse contraction & expansion joints, and other works as necessary	m	302.40	GBP
	Sub-base			
6003.012	Type 1 sub-base (150mm thick)	m3	40.17	GBP
6003.013	Type 1 sub-base (Additional 235mm thick)	m3	40.17	GBP
6003.014	Type 1 sub-base side infill up to road formation level	m3	40.17	GBP

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Item no	Description	Unit	Crummock Rate	Currency
6004 - Tramstops				
Ancillary Equipment				
6004.001	Base for Ticket Vending Machine	nr	101.70	GBP
6004.002	Base foundation for electrical cabinet	nr	287.41	GBP
6004.003	Flagstone base for electrical unit 2.85 x 2.75	nr	383.11	GBP
6004.004	Stainless Steel Bench Seat Units as Supplied by Rail Waiting Structures	nr	287.41	GBP
6004.005	Stainless Steel Litter Bin Units as Supplied by Rail Waiting Structures	nr	1,663.31	GBP
Drainage				
6004.006	150mm dia. Rodding Eye	nr	244.20	GBP
6004.007	150mm dia. Upvc carrier platform drain <1.5m to Invert Level	m	74.82	GBP
6004.008	150mm dia. Upvc drain connection from Aco drain to carrier <1.5m to invert Level	m	149.82	GBP
6004.009	Aco Multidrain M100S Brickslot 075 system, C250 load class, 150mm wide with stainless steel brickslot grating	m	218.02	GBP
6004.010	Connect new 150mm dia. Pipe to existing manhole	nr	434.59	GBP
6004.011	Extra for Aco Access unit	nr	244.20	GBP
6004.012	Extra for Aco outlet unit	nr	250.80	GBP
6004.013	Surface Water Inspection Chamber <1.5m to Invert Level	nr	235.76	GBP
Earthworks				
6004.014	Disposal of unsuitable material for platform	m3	24.75	GBP
6004.015	Excavation of hard material for platform	m3	44.73	GBP
6004.016	Excavation of unsuitable material for Platform	m3	28.14	GBP
6004.017	Imported Fill Material 6N to platform	m3	38.18	GBP
Lighting & Signage				
6004.018	Supply and erect Posts for others to mount PA, CCTV, PiD & validators.	nr	1,100.00	GBP
Name plates				
6004.019	Supply and erect tramstop name plate signs on posts (measured above) as Supplied by Rail Waiting Structures	nr	1,277.29	GBP
Platform Ducting				
6004.020	2 x 100mm dia. Ducts in trench	m	290.25	GBP
6004.021	3 x 100mm dia. Ducts in trench	m	25.69	GBP
6004.022	4 x 100mm dia. Ducts in trench	m	30.39	GBP
6004.023	9 x 100mm dia. Ducts in trench	m	40.69	GBP
6004.024	Access chamber for platform ducts 600 x 600 c/w covers	nr	362.81	GBP
6004.025	Connection of 9 x 100mm dia. duct formation into existing duct Inspection Chamber	nr	1,100.00	GBP
Platform Finishes				
6004.026	Scoutmoor Sandstone Platform paving (Platform Material 6) 400mm x 400mm x 70mm laid on 25mm Class (iii) Dry Mix Mortar bed	m2	130.60	GBP
6004.027	Type 1 Sub Base 150mm thick under platform areas	m3	218.02	GBP
Platform Structure				
6004.028	250mm x 125mm Bullnose kerb laid on a mortar bed	m	130.60	GBP
6004.029	Formwork to platform backing foundations - 325mm high	m2	27.77	GBP
6004.030	Formwork to platform support foundations - 450mm high	m2	58.15	GBP
6004.031	Gen 3 Concrete to platform backing foundations - 200mm x 325mm	m3	58.15	GBP
6004.032	Gen 3 Concrete to platform support foundations - 500mm x 450mm	m3	103.54	GBP

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Item no	Description	Unit	Crummock Rate	Currency
6004.033	Natural Stone Whin platform edge coping 201 - 135 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	103.54	GBP
6004.034	Natural Stone Whin platform edge coping 266 - 201 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	56.53	GBP
6004.035	Natural Stone Whin platform edge coping 331 - 266 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	59.83	GBP
6004.036	Natural Stone Whin platform edge coping 399 - 331 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	62.03	GBP
6004.037	Natural Stone Whin platform edge coping 465 - 399 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	71.38	GBP
6004.038	Natural Stone Whin platform edge coping 530 - 465 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	77.98	GBP
6004.039	Natural Stone Whin platform edge coping 600 - 530 mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	77.98	GBP
6004.040	Natural Stone Whin platform edge coping 600mm x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	75.78	GBP
6004.041	Natural Stone Whin platform upstand 130 - 85 mm taper x 150mm x 1m long each. (Platform Material 16)	m	68.15	GBP
6004.042	Natural Stone Whin platform upstand 172 - 130 mm taper x 150mm x 1m long each. (Platform Material 16)	m	58.80	GBP
6004.043	Natural Stone Whin platform upstand 215 - 172 mm varies x 150mm x 1m long each. (Platform Material 16)	m	65.40	GBP
6004.044	Natural Stone Whin platform upstand 257 - 215 mm taper x 150mm x 1m long each. (Platform Material 16)	m	72.00	GBP
6004.045	Natural Stone Whin platform upstand 300 - 257 mm taper x 150mm x 1m long each. (Platform Material 16)	m	77.61	GBP
6004.046	Natural Stone Whin platform upstand 300mm x 150mm x 1m long each. (Platform Material 16)	m	75.30	GBP
6004.047	Natural Stone Whin platform upstand 42 - 0 mm taper x 150mm x 1m long each. (Platform Material 16)	m	44.50	GBP
6004.048	Natural Stone Whin platform upstand 85 - 42 mm taper x 150mm x 1m long each. (Platform Material 16)	m	54.95	GBP
	Provision for mobility impaired			
6004.049	Ribbed Tactile Paving (Platform Material 14) 400 x 400 x 63mm, Charcoal coloured finish, laid on 25mm Class (iii) Dry Mix Mortar bed	nr	107.96	GBP
6004.050	Paving with disabled logo inset within centre (Platform Material 13) 400 x 400 x 70mm, laid on 25mm Class (iii) Dry Mix Mortar bed	nr	107.96	GBP
	Tactiles			
6004.051	Platform Edge Tactile Paving (Platform Material 7) 400 x 400 x 70mm, Charcoal coloured finish, laid on 25mm Class (iii) Dry Mix Mortar bed	nr	27.00	GBP
	Waiting Shelters			
6004.052	8m Double Bay Shelter on Island Platform - as per drawing ULE90130-SW-STP-00015 Rev 15 (Detail 2/015) including perch seats (Shelter and Seats as supplied by Rail Waiting Structures)	nr	25,951.20	GBP

Item no	Description	Unit	Lagan Rate	Currency
	200 - Site Clearance			
	General site clearance			
200.001	General site clearance	ha	1,357.12	GBP
	Take up or down and remove to store off Site			
200.002	Take up or down and remove to store off Site - Bin	nr	105.16	GBP
200.003	Take up or down and remove to store off Site - Bollard	nr	105.16	GBP
200.004	Take up or down and remove to store off Site - Bus Shelter	nr	508.87	GBP
200.005	Take up or down and remove to store off Site - Control Box	nr	210.33	GBP
200.006	Take up or down and remove to store off Site - Fence	m	10.96	GBP
200.007	Take up or down and remove to store off Site - Lighting Column	nr	183.96	GBP
200.008	Take up or down and remove to store off Site - Post	nr	105.16	GBP
200.009	Take up or down and remove to store off Site - Road Sign	nr	105.16	GBP
200.010	Take up or down and remove to store off Site - Seal	nr	105.16	GBP
200.011	Take up or down and remove to store off Site - Sign on Column	nr	52.59	GBP
200.012	Take up or down and remove to store off Site - Sign Other	nr	105.16	GBP
200.013	Take up or down and remove to store off Site - Traffic Signal	nr	210.33	GBP
200.014	Take up or down and remove to store off Site - Wall	m	37.01	GBP
	Take up or down and remove to tip off Site			
200.015	Take up or down and remove to tip off Site - Bollard	nr	89.90	GBP
200.016	Take up or down and remove to tip off Site - Fence	m	10.14	GBP
200.017	Take up or down and remove to tip off Site - Gully & Grating (Drainage Info)	nr	44.45	GBP
200.018	Take up or down and remove to tip off Site - Post	nr	89.90	GBP
200.019	Take up or down and remove to tip off Site - Road Sign	nr	122.00	GBP
200.020	Take up or down and remove to tip off Site - Tree	nr	325.01	GBP
	Take up or down and set aside for reuse			
200.021	Take up or down and set aside for reuse - BT Phonebox	nr	392.81	GBP
200.022	Take up or down and set aside for reuse - CCTV	nr	105.16	GBP
200.023	Take up or down and set aside for reuse - Clock	nr	105.16	GBP
200.024	Take up or down and set aside for reuse - Control Box	nr	210.33	GBP
200.025	Take up or down and set aside for reuse - Cycle Rack	nr	105.16	GBP
200.026	Take up or down and set aside for reuse - Existing Kerbs (Paving/footway info)	m2	20.32	GBP
200.027	Take up or down and set aside for reuse - Fire Hydrant	nr	105.16	GBP
200.028	Take up or down and set aside for reuse - Paving Slabs (Paving/footway info)	m2	10.22	GBP
200.029	Take up or down and set aside for reuse - Post Box	nr	105.16	GBP
200.030	Take up or down and set aside for reuse - Road Sign	nr	105.16	GBP
200.031	Take up or down and set aside for reuse - Sign on Column	nr	52.59	GBP
200.032	Take up or down and set aside for reuse - Ticket Machine	nr	105.16	GBP
200.033	Take up or down and set aside for reuse - Tracker	nr	105.16	GBP
200.034	Take up or down and set aside for reuse - Traffic Signal	nr	210.33	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	300 - Fencing			
	Adapt fence			
300.001	Adapt Fence (S/Clear Info)	m	32.28	GBP
	Remove from Store and Re-erect Fencing, Gates and Stiles			
300.002	Adapt Fence (S/Clear Info)	m	32.28	GBP

Item no	Description	Unit	Lagan Rate	Currency
	400 - Road Restraint Systems			
	Pedestrian Parapets and Pedestrian Guardrails			
400.001	Adapt existing surfacing to suit new finished level around the posts	nr	50.00	GBP
400.002	Pedestrian guardrail, High Visibility as per Broxap product BX14 4206 or equal approved, 1m high, on paved surfaces, curved not exceeding 50 metres radius.	m	204.71	GBP
400.003	Pedestrian guardrail, High Visibility as per Broxap product BX14 4206 or equal approved, 1m high, on paved surfaces, straight or curved exceeding 50 metres radius.	m	201.45	GBP
400.004	Pedestrian guardrail, steel as per CEC Standard No 4800, 1m high, on paved surfaces, curved not exceeding 50 metres radius.	m	94.39	GBP
400.005	Pedestrian guardrail, steel as per CEC Standard No 4800, 1m high, on paved surfaces, straight or curved exceeding 50 metres radius.	m	91.12	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	500 - Drainage & Service Ducts			
	Chambers and Gullies			
500.001	Comms Cable Access/Pull Chamber, Chamber Type B, 900mm x 900mm, depth not exceeding 1 metre, average depth to invert level 1.000 metres	nr	575.22	GBP
500.002	Gully, as per detail on drawing ULE90130-SW-DNE-00067 Rev 4 , depth not exceeding 1 metre, grating as per detail.	nr	138.23	GBP
500.003	Internal Backdrop built into existing manhole, ne 300mm dia pipe, ne 3.00m to invert.	nr	469.62	GBP
500.004	Manhole, 1350 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.500 metres, cover & Frame as per detail.	nr	976.43	GBP
500.005	Manhole, 1350 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.540 metres, cover & Frame as per detail.	nr	1,075.34	GBP
500.006	Manhole, 1350 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.600 metres, cover & Frame as per detail.	nr	1,163.02	GBP
500.007	Manhole, 1350 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 2 metre not exceeding 3 metres, average depth to invert level 2.080 metres, cover & Frame as per detail.	nr	1,404.13	GBP
500.008	Manhole, 1350 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 2 metre not exceeding 3 metres, average depth to invert level 2.4 metres, cover & Frame as per detail.	nr	1,176.02	GBP
500.009	Manhole, 1350 diameter, as per CEC standard detail drawing 5311-2, depth exceeding 3 metre not exceeding 4 metres, average depth to invert level 3.500 metres, cover & Frame as per detail.	nr	1,776.02	GBP
500.010	Pavement gully, no detail , depth not exceeding 1 metre, c/w grating.	nr	207.34	GBP
500.011	Rail groove drain	nr	357.66	GBP
500.012	Raising/Lowering the level of existing chamber, not exceeding 150 mm chamber area not exceeding 0.25m2	nr	274.90	GBP
500.013	Raising/Lowering the level of existing chamber, not exceeding 150 mm, chamber area exceeding 0.25m2 but not exceeding 0.5m2	nr	274.90	GBP
500.014	Raising/Lowering the level of existing chamber, not exceeding 150 mm, chamber area exceeding 0.5m2 but not exceeding 1.0m2	nr	274.90	GBP
500.015	Raising/Lowering the level of existing chamber, not exceeding 150 mm, chamber area exceeding 1.0m2 but not exceeding 2.0m2	nr	274.90	GBP
500.016	Raising/Lowering the level of existing chamber, not exceeding 150 mm.	nr	274.90	GBP
500.017	Raising/lowering the level of existing gully grating, not exceeding 150 mm.	nr	143.10	GBP
500.018	Small chamber IMU box	nr	575.22	GBP
500.019	Traction Power Cable Pulling Chamber, Chamber Type A, 1800mm x 900mm, depth not exceeding 1 metre, average depth to invert level 1.000 metres	nr	1,137.58	GBP
	Connections			
500.020	Connection to existing chamber, pipe diameter 150mm, depth to invert not exceeding 2 metres.	nr	243.26	GBP
500.021	Connection to existing chamber, pipe diameter 50mm, depth to invert not exceeding 2 metres.	nr	241.00	GBP
500.022	Connection to existing drain, pipe diameter 150mm, depth to invert not exceeding 2 metres.	nr	122.76	GBP
500.023	Connection to existing drain, pipe diameter 50mm, depth to invert not exceeding 2 metres.	nr	122.76	GBP
	Drains			
500.024	Drain, 150mm diameter, depth to invert exceeding 2 metres but not exceeding 4 metres, average depth to invert 2.134m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	147.76	GBP

Item no	Description	Unit	Lagan Rate	Currency
500.025	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.50m, gully connection with concrete bed and surround, in trench.	m	135.88	GBP
500.026	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.551m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	135.88	GBP
500.027	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.6752.98m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	135.88	GBP
500.028	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.675m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	139.16	GBP
500.029	Drain, 150mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.684m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	139.32	GBP
500.030	Drain, 225mm diameter, depth to invert exceeding 2 metres but not exceeding 4 metres, average depth to invert 2.134m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	150.00	GBP
500.031	Drain, 225mm diameter, depth to invert exceeding 2 metres but not exceeding 4 metres, average depth to invert 2.4m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	150.00	GBP
500.032	Drain, 225mm diameter, depth to invert not exceeding 2 metres, average depth to invert 2.675m, main carrier drain with bed and surround as per CEC Standard Detail 5002 Type Z, in trench.	m	150.00	GBP
500.033	Drain, 50mm diameter, depth to invert not exceeding 2 metres, average depth to invert 1.00m, IMU box connection with concrete bed and surround, in trench.	m	111.53	GBP
	Excavation in Hard Material			
500.034	Extra over excavation for excavation in Hard Material in drainage	m ³	15.21	GBP
	Service Ducts			
500.035	1 x 300mm and 5 x150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	180.91	GBP
500.036	1 x 300mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	171.13	GBP
500.037	1 x 50mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	147.76	GBP
500.038	1 x 50mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	69.60	GBP
500.039	1x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	147.76	GBP
500.040	3 x 300mm and 1 x150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	193.46	GBP
500.041	4 x 150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	95.26	GBP
500.042	6 x 150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	115.29	GBP
500.043	6 x 150mm diameter UPVC twin walled corrugated ducts, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	115.29	GBP

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Item no	Description	Unit	Lagan Rate	Currency
500.044	7 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	169.93	GBP
500.045	7 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 75mm ST2 concrete surround, in trench.	m	169.93	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	600 - Earthworks			
	Compaction			
600.001	Compaction of Imported fill Class 6F as capping laiyer	m3	3.29	GBP
	Excavation			
600.002	Excavate unsuitable hard material	m3	13.86	GBP
600.003	Excavate unsuitable material	m3	13.86	GBP
600.004	Dispose of unsuitable material to tips off site	m3	17.22	GBP
	Fill			
600.005	Imported fill Class 6F as capping laiyer	m3	24.52	GBP
	Geotextiles			
600.006	Geogrid laid below capping layer; Tensar TX160G or similar approved to surfaces sloping less than ten degrees to the horizontal	m2	3.07	GBP
	Preparation of formation			
600.007	Prepare formation	m2	0.66	GBP

Item no	Description	Unit	Lagan Rate	Currency
	700 - Pavements			
	Pavement			
700.001	HDMBC Binder course 60mm thick	m2	15.38	GBP
700.002	HDMRB Base Course 200mm thick	m2	43.40	GBP
700.003	HDMRB Base Course 220mm thick	m2	47.15	GBP
700.004	HDMRB Base Course 230mm thick	m2	49.90	GBP
700.005	SC Setts	m2	136.56	GBP
700.006	SC Surface Course 40mm thick	m2	16.74	GBP
	Sub-base			
700.007	Type 1 Sub-base In carriageway, hardshoulder and hardstrip.	m3	28.27	GBP
	Surface Treatment			
700.008	Bus Lane Surface Colour, Slurry Seal to Appendix 7/7, Colour: Green, minimum PSV 65	m2	22.60	GBP
700.009	High Friction Surface Type 1, Colour: Black, Minimum PSV 70	m2	16.39	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	1100 - Kerbs, Footways and Paved Areas			
	Channels			
1100.001	Type 12 Dished Channel	m	70.00	GBP
	Footways and Paved Areas			
1100.002	Footway Detail 1 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	21.92	GBP
1100.003	Footway Detail 1 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	39.69	GBP
1100.004	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	39.69	GBP
1100.005	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 90mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	148.63	GBP
1100.006	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	26.78	GBP
1100.007	Footway Detail 2 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	39.69	GBP
1100.008	Footway Detail 3 as per drawing ULE90130-01-HRL-01130; New 600 x 900 , nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	38.74	GBP
1100.009	Footway Detail 3 as per drawing ULE90130-01-HRL-01130; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 90mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	159.50	GBP
1100.010	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 90mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	146.82	GBP
1100.011	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	122.09	GBP
1100.012	Footway Detail 4 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	39.69	GBP
1100.013	Footway Detail 4 Vehicular; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 150mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	165.40	GBP
1100.014	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 90mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	147.69	GBP
1100.015	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	26.43	GBP
1100.016	Footway Detail 5 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	39.69	GBP
1100.016	Footway Detail 5 Vehicular; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 150mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	165.64	GBP
1100.017	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; Flexible surfacing; 30mm Rolled Asphalt Surface course with Red/White chippings; on 50mm DBM Binder Course; on 150mm min. thickness of Type 1 Sub-Base	m2	27.31	GBP
1100.018	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 90mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	147.65	GBP
1100.019	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	27.28	GBP
1100.020	Footway Detail 6 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	39.69	GBP

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1100.020	Footway Detail 6 Vehicular; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 150mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	148.96	GBP
1100.021	Footway Detail 7 as per drawing ULE90130-01-HRL-01131; Relay previously set aside, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar (Allow 25% of measured area to be relaid)	m2	26.78	GBP
1100.022	Footway Detail 7 as per drawing ULE90130-01-HRL-01130; New nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar	m2	39.69	GBP
1100.022	Paved area; New Central Island as per Detail 2 on drawing ULE90130-01-HRL-01138; 100mm thick setts - 100mm x 200mm; bedded on 50mm depth 2-5mm crushed rock aggregate; on 70mm depth of 20mm open graded basecourse; on 150mm depth of Type 1 Sub-base	m2	192.13	GBP
1100.023	Paved area; New Central Island as per Detail 2 on drawing ULE90130-01-HRL-01138; New 600 x 900, nominal 63mm thick, paving flags; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	39.64	GBP
1100.024	Paved area; New Central Island as per Detail 2 on drawing ULE90130-01-HRL-01138; New natural coloured chamfered edged standard finish, 400mm x 400mm x 63mm paving slabs; bedded on 25mm of dry mix mortar; on 150mm min. thickness of Type 1 Sub-Base	m2	37.97	GBP
1100.025	Paved area; New Central Island as per Detail 2 on drawing ULE90130-01-HRL-01138; New natural stone Caithness flagstone paving flags; bedded on 40mm of dry mix mortar; on 90mm DBM basecourse; on 150mm min. thickness of Type 1 Sub-Base	m2	147.56	GBP
	Kerbs			
1100.026	Kerb, double kerb Type K9, curved not exceeding 12 metres radius. (Refer Road Restraint Systems)	m	64.29	GBP
1100.027	Kerb, double kerb Type K9, straight or curved exceeding 12 metres radius. (Refer Road Restraint Systems)	m	64.29	GBP
1100.028	Kerb; Type K11 as per drawing ULE90130-01-HRL-01131; Straight or curved exceeding 12 metres radius.	m	24.18	GBP
1100.029	Kerb; Type K7 as per drawing ULE90130-SW-CND-00002; Straight or curved exceeding 12 metres radius.	m	39.92	GBP
1100.030	Kerbs previously set aside; Type K7 as per drawing ULE90130-SW-CND-00002; Straight or curved exceeding 12 metres radius.	m	10.68	GBP
1100.031	Remove from Store and Relay Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems	m	10.68	GBP

BBS Consortium
Bilfinger Berger - Siemens

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Item no	Description	Unit	Lagan Rate	Currency
	1200 - Traffic Signs and Road Markings			
	Bollards			
1200.001	Permanent Bollard Internally illuminated; Sign blank	nr	316.40	GBP
1200.002	Permanent Bollard Internally illuminated; Sign to Diag. No. 610	nr	350.89	GBP
	Chambers			
1200.003	Duct Chamber, 450 x 450mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail.	nr	580.36	GBP
1200.004	Duct Chamber, 600 x 600mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail. Shared with street lighting	nr	773.81	GBP
1200.005	Duct Chamber, 650 x 450mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail.	nr	696.42	GBP
1200.006	Duct Chamber, 650 x 600mm, as per CEC standard detail drawing 5452, depth exceeding 1 metre not exceeding 2 metres, average depth to invert level 1.100 metres, cover & Frame as per detail. Shared with street lighting	nr	773.81	GBP
	Civil Works to Signal Equipment			
1200.007	Civil works to a single pole installation	nr	565.00	GBP
1200.008	Civil works to Controller installation	nr	1,130.00	GBP
1200.009	Civil works to Haldo Pillar installation	nr	565.00	GBP
1200.010	Civil works to Tram Controller installation	nr	1,130.00	GBP
1200.011	D400 NaI Loop Boxes	nr		
	Lines White			
1200.012	Continuous line as per ULE90130-SW-SPN-00100, 100mm wide in white	m	1.02	GBP
1200.013	Continuous line as per ULE90130-SW-SPN-00100, 150mm wide in white	m	1.53	GBP
1200.014	Continuous line as per ULE90130-SW-SPN-00100, 250mm wide in white	m	2.26	GBP
1200.015	Continuous line as per ULE90130-SW-SPN-00100, 300mm wide in white	m	3.05	GBP
1200.016	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 100mm wide in white	m	1.02	GBP
1200.017	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 150mm wide in white	m	1.53	GBP
1200.018	Intermittent line as per ULE90130-SW-SPN-00100, 2000mm mark 150mm gap, 100mm wide in white	m	1.02	GBP
1200.019	Intermittent line as per ULE90130-SW-SPN-00100, 4000mm mark 2000mm gap, 100mm wide in white	m	1.53	GBP
1200.020	Intermittent line as per ULE90130-SW-SPN-00100, 4000mm mark 2000mm gap, 150mm wide in white	m	1.53	GBP
1200.021	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 300mm gap, 100mm wide in white	m	1.02	GBP
1200.022	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 300mm gap, 200mm wide in white	m	2.03	GBP
1200.023	Intermittent line as per ULE90130-SW-SPN-00100, 600mm mark 600mm gap, 50mm wide in white	m	1.02	GBP
	Lines Yellow			
1200.024	Continuous line as per ULE90130-SW-SPN-00100, 200mm wide in yellow	m	2.49	GBP
1200.025	Continuous line as per ULE90130-SW-SPN-00100, 75mm wide in yellow	m	1.47	GBP
1200.026	Intermittent line as per ULE90130-SW-SPN-00100, 1000mm mark 1000mm gap, 150mm wide in yellow	m	2.26	GBP
	Remove from Store and Re-erect Traffic Signs			

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Item no	Description	Unit	Lagan Rate	Currency
1200.027	Remove from store and re-erect Road Signs (S/Clear Info)	nr	226.00	GBP
	Signs			
1200.028	Permanent Class 1 reflectorised Traffic Sign to Diag. 2101 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on two new 114.3 x 5.0 CHS posts	nr	975.69	GBP
1200.029	Permanent Class 1 reflectorised Traffic Sign to Diag. 2101 as unlit sign; 2.00m2 to 3.00m2 in area; mounted on two new 114.3 x 5.0 CHS posts	nr	1,356.00	GBP
1200.030	Permanent Class 1 reflectorised Traffic Sign to Diag. 2101 as unlit sign; 4.00m2 to 5.00m2 in area; mounted on two new 139.7 x 6.3 CHS posts	nr	1,751.50	GBP
1200.031	Permanent Class 1 reflectorised Traffic Sign to Diag. 2101 as unlit sign; 5.00m2 to 6.00m2 in area; mounted on three new 139.7 x 6.3 CHS posts	nr	2,234.26	GBP
1200.032	Permanent Class 1 reflectorised Traffic Sign to Diag. 2101 as unlit sign; 5.00m2 to 6.00m2 in area; mounted on two new 139.7 x 6.3 CHS posts	nr	3,729.00	GBP
1200.033	Permanent Class 1 reflectorised Traffic Sign to Diag. 2101 as unlit sign; 8.00m2 to 9.00m2 in area; mounted on two new 193.7 x 6.3 CHS posts	nr	3,729.00	GBP
1200.034	Permanent Class 1 reflectorised Traffic Sign to Diag. 2103 as unlit sign; 6.00m2 to 7.00m2 in area; mounted on two new 168.3 x 6.3 CHS posts	nr	2,712.00	GBP
1200.035	Permanent Class 1 reflectorised Traffic Sign to Diag. 2103 as unlit sign; 8.00m2 to 9.00m2 in area; mounted on three new 168.3 x 6.3 CHS posts	nr	4,165.63	GBP
1200.036	Permanent Class 1 reflectorised Traffic Sign to Diag. 2125 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	254.25	GBP
1200.037	Permanent Class 1 reflectorised Traffic Sign to Diag. 2125 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	282.50	GBP
1200.038	Permanent Class 1 reflectorised Traffic Sign to Diag. 2125 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on two new 88.9 x 3.2 CHS posts	nr	316.40	GBP
1200.039	Permanent Class 1 reflectorised Traffic Sign to Diag. 2125 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on two existing/other posts	nr	113.00	GBP
1200.040	Permanent Class 1 reflectorised Traffic Sign to Diag. 2125 as unlit sign; 2.00m2 to 3.00m2 in area; mounted on two new 168.3 x 6.3 CHS posts	nr	734.50	GBP
1200.041	Permanent reflectorised Traffic Sign to Diag. 650.1/640 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	117.61	GBP
1200.042	Permanent reflectorised Traffic Sign to Diag. 640/638 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	157.49	GBP
1200.043	Permanent reflectorised Traffic Sign to Diag. 660.4/661A as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	115.79	GBP
1200.044	Permanent reflectorised Traffic Sign to Diag. 958 ALT.3/961 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on one new 114.3 x 5.0 CHS post	nr	569.77	GBP
1200.045	Permanent reflectorised Traffic Sign to Diag. 958 ALT.6/961 as unlit sign; 0.75m2 to 1.00m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	532.09	GBP
1200.046	Permanent reflectorised Traffic Sign to Diag. 959 ALT.3/961 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	532.09	GBP
1200.047	Permanent reflectorised Traffic Sign to Diag. 959 ALT.4/961 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on one new 114.3 x 5.0 CHS post	nr	282.50	GBP
1200.048	Permanent reflectorised Traffic Sign to Diag. 959 ALT.6/961 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	221.47	GBP
1200.049	Permanent reflectorised Traffic Sign to Diag. 962 ALT.1 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	273.72	GBP
1200.050	Permanent reflectorised Traffic Sign to Diag. 962 ALT.3 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on one existing/other post	nr	84.75	GBP
1200.051	Permanent reflectorised Traffic Sign to Diag. 964 ALT. as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	39.55	GBP
1200.052	Permanent reflectorised Traffic Sign to Diag. 964 ALT. as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	150.65	GBP
1200.053	Permanent reflectorised Traffic Sign to Diag. 974 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	39.55	GBP
1200.054	Permanent reflectorised Traffic Sign to Diag. 974 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	56.50	GBP
1200.055	Permanent reflectorised Traffic Sign to Diag. No 639/650.1 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	117.61	GBP
1200.056	Permanent reflectorised Traffic Sign to Diag. No 640 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	73.45	GBP

Item no	Description	Unit	Lagan Rate	Currency
1200.057	Permanent reflectorised Traffic Sign to Diag. No 640 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	157.49	GBP
1200.058	Permanent Traffic Sign to Diag. 652 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	117.61	GBP
1200.059	Permanent Traffic Sign to Diag. 772 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	465.54	GBP
1200.060	Permanent Traffic Sign to Diag. 772 as lit sign; not exceeding 0.25m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	508.50	GBP
1200.061	Permanent Traffic Sign to Diag. 954 ALT.2 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	39.55	GBP
1200.062	Permanent Traffic Sign to Diag. 954 ALT.5 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	39.55	GBP
1200.063	Permanent Traffic Sign to Diag. No. 557 as lit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	169.50	GBP
1200.064	Permanent Traffic Sign to Diag. No. 563 ALT. as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	113.00	GBP
1200.065	Permanent Traffic Sign to Diag. No. 602 as lit sign; not exceeding 0.25m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	531.02	GBP
1200.066	Permanent Traffic Sign to Diag. No. 606 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	339.00	GBP
1200.067	Permanent Traffic Sign to Diag. No. 609 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	481.38	GBP
1200.068	Permanent Traffic Sign to Diag. No. 612 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	54.03	GBP
1200.069	Permanent Traffic Sign to Diag. No. 612 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	54.03	GBP
1200.070	Permanent Traffic Sign to Diag. No. 616 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	73.45	GBP
1200.071	Permanent Traffic Sign to Diag. No. 616 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	534.73	GBP
1200.072	Permanent Traffic Sign to Diag. No. 616 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	634.21	GBP
1200.073	Permanent Traffic Sign to Diag. No. 622.1A as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	113.00	GBP
1200.074	Permanent Traffic Sign to Diag. No. 954 ALT.7 as lit sign; 0.50m2 to 0.75m2 in area; mounted on one existing/other post	nr	39.55	GBP
1200.075	Permanent reflectorised Traffic Sign to Diag. 640/974 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	217.51	GBP
1200.076	Permanent reflectorised Traffic Sign to Diag. 650.1 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	164.65	GBP
1200.077	Permanent reflectorised Traffic Sign to Diag. 660.4 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	162.11	GBP
1200.078	Permanent reflectorised Traffic Sign to Diag. 958 ALT.6/961 as unlit sign; 0.75m2 to 1.00m2 in area; mounted on one new 88.9 x 4.0 CHS post	nr	712.25	GBP
1200.079	Permanent reflectorised Traffic Sign to Diag. 959 ALT.4/961 as unlit sign; 0.50m2 to 0.75m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	681.53	GBP
1200.080	Permanent reflectorised Traffic Sign to Diag. 974/640 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	220.64	GBP
1200.081	Permanent reflectorised Traffic Sign to Diag. No 640/660.4 as unlit sign; not exceeding 0.25m2 in area; mounted on one new 76.1 x 3.2 CHS post	nr	162.11	GBP
1200.082	Permanent reflectorised Traffic Sign to Diag. No. 612 as unlit sign; 0.25m2 to 0.50m2 in area; mounted on one existing/other post	nr	75.63	GBP
1200.083	Permanent Traffic Sign to Diag. 652 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	257.03	GBP
1200.084	Permanent Traffic Sign to Diag. 652 as lit sign; not exceeding 0.25m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	552.67	GBP
1200.085	Permanent Traffic Sign to Diag. 954.3 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	288.67	GBP
1200.086	Permanent Traffic Sign to Diag. No. 602 as lit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	164.65	GBP
1200.087	Permanent Traffic Sign to Diag. No. 612 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 88.9 x 3.2 CHS post	nr	482.83	GBP

Item no	Description	Unit	Lagan Rate	Currency
1200.088	Permanent Traffic Sign to Diag. No. 616 as lit sign; 0.25m2 to 0.50m2 in area; mounted on one new 114.3 x 5.0 CHS post	nr	942.76	GBP
1200.089	Remove from store and re-erect Road Sign mounted on lighting column (S/Clear Info)	nr	169.50	GBP
1200.090	Remove from store and re-erect Traffic Sign to Diag. 2125 as unlit sign; 0.75m2 to 1.00m2 in area; mounted on two new 88.9 x 3.2 CHS posts	nr	465.61	GBP
1200.091	Remove from store and re-erect Traffic Sign to Diag. 2125 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on two existing/other posts	nr	203.40	GBP
1200.092	Remove from store and re-erect Traffic Sign to Diag. 2203 as unlit sign; 1.00m2 to 2.00m2 in area; mounted on two new 114.3 x 5.0 CHS posts	nr	465.61	GBP
1200.093	Remove from store and re-erect Traffic Sign to Diag. 660.7 as unlit sign; not exceeding 0.25m2 in area; mounted on one existing/other post	nr	169.50	GBP
1200.094	Remove from store and re-erect Traffic Sign to Diag. 660.7 as unlit sign; not exceeding 0.25m2 in area; mounted on one removed from store 76.1 x 3.2 CHS post	nr	203.40	GBP
	Studs			
1200.095	Road studs, 100x100mm stainless steel non-reflective	nr	14.13	GBP
	Symbols White			
1200.096	Arrow as per ULE90130-SW-SPN-00100, 4000mm long, in white	nr	22.60	GBP
1200.097	Arrow as per ULE90130-SW-SPN-00100, 6000mm long, in white	nr	33.90	GBP
1200.098	Cycle Route Symbol as per ULE90130-SW-SPN-00100, 1780 long, in white	nr	22.60	GBP
1200.099	Cycle Route Symbol as per ULE90130-SW-SPN-00100, 2750 long, in white	nr	39.55	GBP
1200.100	Give Way/Yield triangle as per ULE90130-SW-SPN-00100, 1250mm wide 3750mm long, in white	nr	19.21	GBP
1200.101	Hatching as per ULE90130-SW-SPN-00100, 150mm wide continuous line at 3000mm spacing with border, in white	m2	1.53	GBP
1200.102	Letter as per ULE90130-SW-SPN-00100, 1600mm high 1000mm wide, in white	nr	9.04	GBP
1200.103	Letter as per ULE90130-SW-SPN-00100, 280mm high 50mm wide, in white	nr	3.96	GBP
	Symbols Yellow			
1200.104	Cored thermoplastic node markers, as per ULE90130-SW-SPN-00100, to diagram 1066 in yellow	nr	113.00	GBP
1200.105	Junction Crisscross Box as per ULE90130-SW-SPN-00100, 200mm wide continuous line at 2000mm spacing both ways with border, in yellow	m2	3.96	GBP
1200.106	Kerb Markings as per ULE90130-SW-SPN-00100, 100mm wide 250mm long, in yellow	nr	0.57	GBP
	Traffic Signal Ducts			
1200.107	1 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	41.90	GBP
1200.108	1 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	73.00	GBP
1200.109	1 x 50mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	68.84	GBP
1200.110	12 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.30m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	123.59	GBP
1200.111	18 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.50m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	327.16	GBP
1200.112	2 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	48.75	GBP

Item no	Description	Unit	Lagan Rate	Currency
1200.113	2 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	81.94	GBP
1200.114	3 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	51.51	GBP
1200.115	3 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 0.90m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	91.19	GBP
1200.116	4 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	96.99	GBP
1200.117	4 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	59.39	GBP
1200.118	4 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	96.99	GBP
1200.119	6 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	72.50	GBP
1200.120	8 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in shared trench.	m	88.26	GBP
1200.121	8 x 100mm diameter UPVC twin walled corrugated duct, depth to invert not exceeding 2 metres, average depth to invert 1.10m, 150mm ST2 concrete surround as indicated in CEC standard detail 27004, in trench.	m	108.59	GBP

Item no	Description	Unit	Lagan Rate	Currency
	1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts			
	Columns, Brackets and Wall Mountings			
1300.001	New 10M root planted tapered conical steel lighting column with a side entry mounted Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT . Lamp (HES2/1627/LPG/100/25/Set at 0 deg), on a 1M bracket arm	nr	4,277.00	GBP
1300.002	New 10M root planted tapered conical steel lighting column with a side entry mounted Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT . Lamp (HES2/1627/LPG/100/25/Set at 0 deg), on a 1M bracket arm at 10M mounting height . New side entry mounted Urbis Hestia 1 Lantern fitted with a 90W Cosmopolis Lamp (HES1/CTG/1914/060/-15/Set at 0 deg.) on a 0.5M bracket arm at 7M mounting height.	nr	2,260.00	GBP
1300.003	New 10M root planted tubular steel lighting column with a side entry mounted WRTL ARC Lantern, fitted with a 250W CDO-TT . Lamp (Amp 250 CG 1C/Set at 0 deg.) on a 1M bracket arm	nr	2,260.00	GBP
1300.004	New 8M root planted tapered conical steel lighting column with a side entry mounted Urbis Hestia 1 Lantern, fitted with a 90W Cosmopolis Lamp (HES1/CTG/1914/060/-15/Set at 0 deg.) on a 1M bracket arm	nr	3,406.85	GBP
1300.005	New 8M root planted tubular steel lighting column with a DW Windsor top entry linear traditional bracket with a 1M projection fitted with a DW Windsor strand A /TDG lantern comprising a 90W Cosmopolis Lamp (STA/EIA-100T-A15/35)	nr	1,130.00	GBP
1300.006	New OLE mounted side entry Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT . Lamp (HES2/1627/LPG/100/-25/Set at 0 deg), on a 1M bracket arm at 10M mounting height	nr	1,140.00	GBP
1300.007	New OLE mounted side entry Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT . Lamp (HES2/1627/LPG/100/-25/Set at 0 deg), on a 1M bracket arm at 10M mounting height. New side entry mounted Urbis Hestia 1 Lantern fitted with a 90W Cosmopolis Lamp (HES1/CTG/1914/060/-15/Set at 0 deg.) on a 0.5M bracket arm at 7M mounting height.	nr	1,406.85	GBP
1300.008	New OLE mounted x 2 no side entry Urbis Hestia 2 Lanterns, fitted with a 250W CDO-TT . Lamp (HES2/1627/LPG/100/-25/Set at 0 deg), on a double bracket arm (1M projection) mounted at 10M	nr	2,123.00	GBP
1300.009	New surface mounted side entry Urbis Hestia 2 Lantern, fitted with a 250W CDO-TT . Lamp (HES2/1627/LPG/100/-25/Set at 0 deg), on a 1M bracket arm at 10M mounting height	nr	1,130.00	GBP
1300.010	New surface mounted side entry WRTL ARC Lantern, fitted with a 250W CDO-TT . Lamp (Amp 250 CG 1C/Set at 0 deg.) on a 1M bracket arm, at 10M mounting height.	nr	565.00	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	1400 - Electrical Works for Road Lighting and Traffic Signs			
	Cable			
1400.001	1No x 1.5 sq. mm 2L core mineral insulated copper clad cable with PVC sheath coloured black to BS EN 60702-1, fixed above ground.	m	2.79	GBP
1400.002	1No x 16 sq. mm 2 core PVC/SWA/PVC/XLPE cable, laid in duct.	m	11.83	GBP
1400.003	1No x 16 sq. mm 3 core PVC/SWA/PVC/XLPE cable, laid in duct.	m	10.70	GBP
1400.004	1No x 2.5 sq. mm 5 core cable, laid in duct.	m	6.18	GBP
1400.005	1No x 6 sq. mm 2 core PVC/SWA/PVC/XLPE cable, laid in duct.	m	6.18	GBP
	Cable Joints and Terminations			
1400.006	Cable terminations	nr	19.29	GBP
	Chambers			
1400.007	Control Cabinet	nr	452.00	GBP
1400.008	New Ducting Chamber Type 1 (450mm x 300mm) n.e. 1m deep, with D400 Lid	nr	630.63	GBP
1400.009	Wall mounted Service Box	nr	452.00	GBP
	Duct			
1400.010	1No x 105mm Dia. plastic continuous corrugated purple duct to BS EN50086-2-4 (Type 450N) in trench, depth not exceeding 1.5 metres.	m	4.73	GBP
1400.011	1No x 63mm Dia. HDPE purple street lighting duct in trench, depth not exceeding 1.5 metres.	m	6.40	GBP
	Trench			
1400.012	Trench for Duct, width of trench to accommodate one number n.e. 150mm dia. duct, depth of trench not exceeding 1.5m, in carriageways, footways and paved areas	m	61.83	GBP

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EDINBURGH TRAM NETWORK
ON STREET WORKS : SECTION 1D
SCHEDULE PART 45: APPENDIX C :

PART 1.2 RATES FOR VALUING ON STREET WORKS ESTIMATES PRIOR
TO THE ON STREET WORKS TRIGGER DATE TO THE EXTENT THAT THEY
APPLY TO CIVIL ENGINEERING WORKS

Item no	Description	Unit	Lagan Rate	Currency
	2400 - Brickwork, Blockwork and Stonework			
	Adapt Wall			
2400.001	Adapt Wall (S/Clear Info)	m	2,329.27	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	2500 - Special Structures			
	Concrete			
2500.001	Foamed Concrete; 3:1 Mix; Wet Density 1400Kg/m3; Strength 4.5N/mm2 at 28 days	m3	128.15	GBP
	Demolition			
2500.002	Remove Precast Concrete tunnel roof units	m2	142.21	GBP
	Earthworks			
2500.004	Dispose of unsuitable to tips off site	m3	17.22	GBP
2500.005	Excavate unsuitable hard material down to tunnel roof	m3	10.50	GBP
2500.006	Excavate unsuitable material down to tunnel roof	m3	10.50	GBP
2500.007	Tensar Geogrid SS40 or similar approved	m2	3.29	GBP
	Formwork			
2500.008	F1 vertical greater than 300mm	m2	31.24	GBP
	Pavement			
2500.009	HDMBC Binder course 60mm thick	m2	15.38	GBP
2500.010	HDMRB Base Course 250mm thick	m2	53.58	GBP
2500.011	SC Surface Course 40mm thick	m2	16.74	GBP
	Sub-base			

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EDINBURGH TRAM NETWORK
 ON STREET WORKS : SECTION 1D
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PART 1.2 RATES FOR VALUING ON STREET WORKS ESTIMATES PRIOR
 TO THE ON STREET WORKS TRIGGER DATE TO THE EXTEND THAT THEY
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Item no	Description	Unit	Lagan Rate	Currency
	3000 - Landscape and Ecology			
	Tree Surgery			
3000.001	Tree Surgery - Pruning trees as directed (S/Clear Info)	nr	325.01	GBP

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Item no	Description	Unit	Lagan Rate	Currency
	6001 - Re-erection			
	Remove from Store and Re-erect			
6001.001	Remove from Store and Re-erect BT Phonebox (S/Clear Info)	nr	502.93	GBP
6001.002	Remove from Store and Re-erect CCTV (S/Clear Info)	nr	388.25	GBP
6001.003	Remove from Store and Re-erect Clock (S/Clear Info)	nr	115.14	GBP
6001.004	Remove from Store and Re-erect Control Box (S/Clear Info)	nr	236.35	GBP
6001.005	Remove from Store and Re-erect Cycle Rack (S/Clear Info)	nr	286.34	GBP
6001.006	Remove from Store and Re-erect Post Box (S/Clear Info)	nr	236.35	GBP
6001.007	Remove from Store and Re-erect Ticket Machine (S/Clear Info)	nr	236.35	GBP
6001.008	Remove from Store and Re-erect Tracker (S/Clear Info)	nr	236.35	GBP
6001.009	Remove from Store and Re-erect Traffic Signal (S/Clear Info)	nr	388.25	GBP
6001.010	Remove from Store and Re-install Fire Hydrant (S/Clear Info)	nr	225.69	GBP

Item no	Description	Unit	Lagan Rate	Currency
	6002 - OLE Bases			
	OLE Bases			
6002.010	Reinforced Concrete OLE Pole foundation complete, all as shown on drawing No ULE90390-SW-OLE-00024 including holding down arrangement shown on drawing No D.0215-EL-S7005-A301-B and earthing arrangement as shown on drawing No ULE90130-SW-OLE-00066 Rev 2.	nr	3,164.62	GBP

Item no	Description	Unit	Lagan Rate	Currency
6003 - Trackform				
Earthworks				
6003.001	Additional Disposal of unsuitable material to tips off site	m3	17.22	GBP
6003.002	Additional excavation of unsuitable hard material down to the final formation level for the Track box	m3	13.86	GBP
6003.003	Dispose of unsuitable to tips off site	m3	17.22	GBP
6003.004	Excavate unsuitable hard material to the level of the highest allowable formation for the Track box	m3	13.86	GBP
6003.005	Preparation of formation to Track box	m2	0.66	GBP
Finishes				
6003.006	High Friction Surfacing classification Type 1, minimum PSV:70, Colour: to match adjacent road surface colour, all to HD28/04 and HD36/06	m2	16.39	GBP
6003.007	SC Setts	m2	136.56	GBP
6003.008	SC Surface Course 40mm thick	m2	16.74	GBP
Structure				
6003.009	50mm Blinding Concrete	m3	142.11	GBP
6003.010	SC Setts	m2	203.39	GBP
6003.011	SC Surface Course 40mm thick	m2	16.74	GBP
6003.012	Track Slab up to 404mm thick: 2 Stage Concrete slab, (2nd stage tinted concrete), inc reinforcement, formwork, and earthing and bonding, 2 coats bituminous paint to buried surfaces, glass reinforced stress membrane transverse contraction & expansion joints, and sealing between upstands and adjacent works and all other works as necessary	m	368.81	GBP
6003.013	Trackform 250mm thick: track formation improvement slab, inc 3 layers mesh reinforcement, formwork, and earthing and bonding, 2 coats bituminous paint to buried surfaces, transverse contraction & expansion joints, and other works as necessary	m	222.85	GBP
Sub-base				
6003.014	Type 1 sub-base (150mm thick)	m3	34.26	GBP
6003.015	Type 1 sub-base (Additional 235mm thick)	m3	34.26	GBP
6003.016	Type 1 sub-base side infill up to road formation level	m3	34.26	GBP

Item no	Description	Unit	Lagan Rate	Currency
	6004 - Tramstops			
	Ancillary Equipment			
6004.001	Base for Ticket Vending Machine	nr	113.00	GBP
6004.002	Base foundation for electrical cabinet	nr	142.81	GBP
6004.003	Flagstone base for electrical unit 2.85 x 2.75	nr	209.14	GBP
6004.004	Stainless Steel Bench Seat Units as Supplied by Rail Waiting Structures	nr	1,541.07	GBP
6004.005	Stainless Steel Litter Bin Units as Supplied by Rail Waiting Structures	nr	1,208.77	GBP
	Drainage			
6004.006	150mm dia. Rodding Eye	nr	64.22	GBP
6004.007	150mm dia. Upvc carrier platform drain <1.5m to invert Level	m	135.88	GBP
6004.008	150mm dia. Upvc drain connection from Aco drain to carrier <1.5m to Invert Level	m	95.50	GBP
6004.009	Aco Multidrain M1005 Brickslot 075 system, C250 load class, 150mm wide with stainless steel brickslot grating	m	239.09	GBP
6004.010	Connect new 150mm dia. Pipe to existing manhole	nr	243.26	GBP
6004.011	Extra for Aco Access unit	nr	140.82	GBP
6004.012	Extra for Aco outlet unit	nr	181.20	GBP
6004.013	Surface Water Inspection Chamber <1.5m to Invert Level	nr	396.83	GBP
	Lighting & Signage			
6004.014	Supply and erect Posts for others to mount PA, CCTV, PID & validators.	nr	565.00	GBP
	Name plates			
6004.015	Supply and erect tramstop name plate signs on posts (measured above) as Supplied by Rail Waiting Structures	nr	67.71	GBP
	Platform Ducting			
6004.016	2 x 100mm dia. Ducts in trench	m	56.34	GBP
6004.017	3 x 100mm dia. Ducts in trench	m	63.20	GBP
6004.018	4 x 100mm dia. Ducts in trench	m	66.99	GBP
6004.019	9 x 100mm dia. Ducts in trench	m	92.04	GBP
6004.020	Access chamber for platform ducts 600 x 600 c/w covers	nr	538.95	GBP
6004.021	Connection of 9 x 100mm dia. duct formation into existing duct Inspection Chamber	nr	248.91	GBP
	Platform Finishes			
6004.022	Natural coloured chamfered edged Standard finish paving slabs (Platform Material 1) 400mm x 400mm x 63mm laid on 25mm Class (iii) Dry Mix Mortar bed	m2	32.46	GBP
6004.023	Type 1 Sub Base 150mm thick under platform areas	m3	27.19	GBP
	Platform Structure			
6004.024	250mm x 125mm Bullnose kerb laid on a mortar bed	m	9.05	GBP
6004.025	300mm x 250mm rectangular kerb, laid on back, on a mortar bed	m	12.17	GBP
6004.026	Formwork to platform backing foundations - 325mm high	m2	26.13	GBP
6004.027	Formwork to platform support foundations - 450mm high	m2	26.13	GBP
6004.028	Gen 3 Concrete to platform backing foundations - 200mm x 325mm	m3	95.17	GBP
6004.029	Gen 3 Concrete to platform support foundations - 500mm x 450mm	m3	86.04	GBP
6004.030	Natural Stone Whin platform edge coping 251 - 135mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	34.68	GBP

Item no	Description	Unit	Lagan Rate	Currency
6004.031	Natural Stone Whin platform edge coping 368 - 251mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	44.25	GBP
6004.032	Natural Stone Whin platform edge coping 484 - 368mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	53.74	GBP
6004.033	Natural Stone Whin platform edge coping 600 - 484mm taper x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	61.72	GBP
6004.034	Natural Stone Whin platform edge coping 600mm x 75mm x 1m long each, complete with 100mm white thermoplastic line inlaid close to edge of coping. (Platform Material 15)	m	61.49	GBP
6004.035	Natural Stone Whin platform upstand 173 - 130 mm taper x 150mm x 500mm long each. (Platform Material 16)	m	33.91	GBP
6004.036	Natural Stone Whin platform upstand 215 - 173 mm taper x 150mm x 1m long each. (Platform Material 16)	m	39.96	GBP
6004.037	Natural Stone Whin platform upstand 258 - 215 mm taper x 150mm x 1m long each. (Platform Material 16)	m	44.79	GBP
6004.038	Natural Stone Whin platform upstand 300 - 258 mm varies x 150mm x 1m long each. (Platform Material 16)	m	52.19	GBP
6004.039	Natural Stone Whin platform upstand 300mm x 150mm x 1m long each. (Platform Material 16)	m	42.83	GBP
	Platforms			
6004.040	Disposal of unsuitable material for platform	m3	24.75	GBP
6004.041	Excavation of hard material for platform	m3	6.33	GBP
6004.042	Excavation of unsuitable material for Platform	m3	6.33	GBP
6004.043	Imported Fill Material 6N to platform	m3	24.08	GBP
	Provision for mobility impaired			
6004.044	Ribbed Tactile Paving (Platform Material 14) 400 x 400 x 63mm, Charcoal coloured finish, laid on 25mm Class (iii) Dry Mix Mortar bed	nr	16.34	GBP
6004.045	Paving with disabled logo inset within centre (Platform Material 13) 400 x 400 x 70mm, laid on 25mm Class (iii) Dry Mix Mortar bed	nr	18.60	GBP
	Tactiles			
6004.046	Platform Edge Tactile Paving (Platform Material 7) 400 x 400 x 70mm, Charcoal coloured finish, laid on 25mm Class (iii) Dry Mix Mortar bed	nr	16.34	GBP
	Waiting Shelters			
6004.047	8m Double Bay Shelter on Island Platform - as per drawing ULE90130-SW-STP-00015 Rev 15 (Detail 2/015) including perch seats (Shelter and Seats as supplied by Rail Waiting Structures)	nr	25,865.86	GBP

PART 2 : RATES FOR VALUING ON STREET WORKS ESTIMATES BOTH PRIOR TO AND AFTER THE ON STREET WORKS TRIGGER DATE TO THE EXTENT THAT THEY APPLY ON STREET SYSTEMS AND TRACKWORK

*Euro to GBP conversion to be done at time of issue of the Change Order where appropriate

Item no	Description	Unit	Siemens Rate	Currency
IMO CT TS, Siemens plc (Project Management, TRW, DWE)				
1.001	Project Director (Technical/Commercial)	day	1,281.52	GBP
1.002	Deputy Comm. Project Manager	day	804.25	GBP
1.003	Financial & Commercial Manager	day	523.44	GBP
1.004	Contract Manager (external)	day	824.60	GBP
1.005	System Engineering Support (external)	day	824.60	GBP
1.006	Time Scheduler (external)	day	482.74	GBP
1.007	Change Manager	day	990.82	GBP
1.008	Senior Systems Engineer	day	780.09	GBP
1.009	Installation Manager	day	547.89	GBP
1.010	Installation Manager Support	day	334.62	GBP
1.011	Senior TRW Manager	day	1,168.43	GBP
1.012	Senior TRW Comm. Manager	day	990.82	GBP
1.013	Senior TRW Contract Manager (external)	day	1,002.11	GBP
1.014	TRW Engineer (external)	day	265.70	GBP
1.015	Quantity TRW Surveyor (external)	day	708.92	GBP
1.016	Senior TRW Field Supervisor	day	907.06	GBP
1.017	Junior TRW Field Supervisor	day	629.90	GBP
1.018	Logistic Manager	day	212.48	GBP
1.019	Safety, Health & Environment Eng.	day	478.35	GBP
1.020	Quality Manager	day	420.56	GBP
1.021	RAMS Engineer	day	423.05	GBP
1.022	Contract & Change Coordinator (external)	day	114.02	GBP
1.023	Team Assistant Trackwork	day	163.32	GBP
1.024	Testing & Commissioning Engineer	day	614.55	GBP
1.025	Team Administrator	day	189.65	GBP
IMO CT EL, Siemens plc (Electrification)				
1.026	Project Manager	day	542.53	GBP
1.027	Project Engineer	day	581.06	GBP
1.028	Assistant Engineer	day	382.78	GBP
1.029	Project Accountant	day	520.86	GBP
1.030	Project Assistant / Assistant Planner	day	291.94	GBP
IMO RA MT, Siemens plc (Signalling, Communication)				
1.031	Financial & Commercial Manager	day	688.50	GBP
1.032	Project Manager	day	628.22	GBP
1.033	Project Engineering Manager	day	503.42	GBP
1.034	Principle Engineer	day	468.81	GBP
1.035	Senior Engineer	day	345.33	GBP
1.036	Engineer	day	312.53	GBP
1.037	Assistant Engineer	day	207.75	GBP
1.038	Planner	day	348.74	GBP
1.039	Commercial Executive (QS)	day	475.03	GBP
1.040	Installers	day	427.28	GBP
1.041	Project Accountant	day	357.04	GBP
1.042	Project Assistant / Assistant Planner	day	165.82	GBP
1.043	Site Manager	day	464.57	GBP
1.044	Document Control	day	237.89	GBP
1.045	Modern Apprentice	day	165.15	GBP
1.046	Safety, Health & Environment Eng.	day	478.35	GBP
IMO ITS, Siemens plc (Traffic Light Control (TLC))				
1.047	Technician / Installer	day	541.37	GBP
1.048	Design/Field Engineer	day	613.94	GBP
1.049	Supervisor	day	613.94	GBP
1.050	Project Manager	day	921.66	GBP
1.051	Project Administrator / Commercial	day	613.94	GBP
1.052	Accountant	day	652.38	GBP
IMO RS IS, Siemens plc (Maintenance)				
1.053	Financial & Commercial Manager	day	688.50	GBP
1.054	Project Manager	day	628.22	GBP
1.055	Procurement	day	357.04	GBP
IMO CT TS, Siemens AG (Germany) (Project Management, Track Work, Depot Equ.)				
1.056	Back Office - Finance	day	960.88	EUR*
1.057	Documentation Manager, Senior	day	960.88	EUR*
1.058	Risk Manager	day	960.88	EUR*
1.059	Site Manager	day	960.88	EUR*
1.060	DWE Project- / RST IF Manager	day	831.03	EUR*
1.061	EMC Manager	day	831.03	EUR*
1.062	Systems Engineer	day	831.03	EUR*

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Item no	Description	Unit	Siemens Rate	Currency
I M O C T E L, Siemens AG (Germany) (Electrification)				
1.063	REL Commercial manager	day	960.88	EUR*
1.064	OLE Project Manager	day	960.88	EUR*
1.065	Chief / Senior Engineer	day	831.03	EUR*
1.066	Engineer	day	831.03	EUR*
1.067	Engineering Support	day	831.03	EUR*
1.068	Commercial Administration	day	761.78	EUR*
1.069	Logistics - offshore	day	761.78	EUR*
1.070	Team Assistant - offshore	day	761.78	EUR*
I M O R A I T, Siemens AG (Germany) (Signalling, Communication)				
1.071	Senior Project Manager	day	1,012.82	EUR*
1.072	Signalling Comm. & Contr. Manager	day	1,012.82	EUR*
1.073	Senior Project Eng. & Supervisor	day	1,012.82	EUR*
1.074	Project Manager Interlocking	day	1,012.82	EUR*
1.075	Quality Manager	day	1,012.82	EUR*
1.076	Systems Engineer	day	1,012.82	EUR*
1.077	Team Assistant	day	1,012.82	EUR*
BAM (3rd Party, Trackwork)				
1.078	Trackworker (Mon-Fri)	day	163.10	GBP
1.079	Trackworker (Mon-Fri) OT	day	186.43	GBP
1.080	Trackworker (weekend)	day	244.69	GBP
1.081	Supervisor/Ganger (Mon-Fri)	day	215.49	GBP
1.082	Supervisor/Ganger (Mon-Fri) OT	day	247.65	GBP
1.083	Supervisor/Ganger (weekend)	day	323.37	GBP
1.084	Welding teamrate (Mon-Fri)	day	1,167.47	GBP
1.085	Surveyor (Mon-Fri)	day	259.99	GBP
1.086	Slinger (for work & travel)	day	205.58	GBP
1.087	Crane Controller	day	163.10	GBP
1.088	RRV Driver	day	302.27	GBP
1.089	JCB Driver	day	302.27	GBP
1.090	Forklift Driver	day	265.99	GBP
Border Rail & Plant (3rd Party, OLE)				
1.091	Project Manager	day	754.89	GBP
1.092	Overhead Line Engineer	day	543.52	GBP
1.093	Construction Manager	day	543.52	GBP
1.094	Supervisor	day	388.58	GBP
1.095	Lineman senior (LE1)	day	301.96	GBP
1.096	Lineman junior (LE2)	day	231.50	GBP
1.097	Labourer/Driver	day	221.94	GBP
1.098	Machine/Crane Controller	day	301.96	GBP
1.099	Fitter	day	402.61	GBP

BBS Consortium
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Item no	Description	Unit	Siemens Rate	Currency	Execution By
Siemens Installation, Material, Plant, etc.					
2.001	REL-OLE OLE poles / building fixings (including cantilever, counter-weights, backstay, ..., excluding contact wires)	nr	2,298.38	GBP	Border Rail
2.002	REL-OLE OLE Contact-Wire (OLE pole to OLE pole) (including feeding, excluding TFS)	nr	3,447.56	GBP	Border Rail
2.003	REL-TPS Substation transformers and Traktion-Power cables between substations?	nr	261,623.50	GBP	REL
2.004	REL-OLE Standard OLE pole (including cantilever, delivery)	nr	9,383.43	GBP	REL
2.005	REL-OLE Combined OLE pole (including cantilever, delivery)	nr	9,925.82	GBP	REL
2.006	REL-OLE Building Fixing (including span-wire)	nr	813.59	GBP	REL
2.007	REL-OLE Pick up, vehicle	day	171.83	GBP	Border Rail
2.008	REL-OLE Rail/Road Vehicle RRV, Unimog	day	492.58	GBP	Border Rail
2.009	REL-OLE Trailer	day	114.55	GBP	Border Rail
2.010	REL-OLE Scaffold	day	114.55	GBP	Border Rail
2.011	REL-OLE Rubber Tyre MEW P	day	114.55	GBP	Border Rail
2.012	REL-OLE Permaquip	day	171.83	GBP	Border Rail
2.013	REL-OLE Drum Carrier	day	286.88	GBP	Border Rail
2.014	RA-COM/SC RRV / MEW P transport	trip	930.75	GBP	Border Rail
2.015	RA-COM/SC Tramstop (including PID, PA, PHP, CCTV, TVM, Validator)	nr	119,801.43	GBP	RA-COM/SCA
2.016	TRW Substation	nr	18,551.03	GBP	RA-COM/SCA
2.017	TRW Track-Weld	nr	140.34	GBP	BAM
2.018	TRW Manpower / Plant mobilisation costs if less than 3 days continuous work per team is available in any one week	nr	350.26	GBP	BAM
2.019	TRW BAM RRV	day	684.43	GBP	BAM
2.020	TRW Forklift	wk	572.39	GBP	BAM
2.021	TRW JCB	hr	63.37	GBP	BAM
2.022	TRW JCB OT	hr	84.03	GBP	BAM
2.023	TRW Truck with HIAB (for work & for travel)	hr	123.13	GBP	BAM
2.024	TRW Toolcontainer (incl. tools + Office container)	week	2,865.20	GBP	BAM
2.025	TRW DR Security	mth	7,302.80	GBP	DR Security
2.026	TRW Other running & construction costs	mth	8,352.88	GBP	TRW

BBS Consortium
Bilfinger Berger - Siemens

Item no	Description	Unit	Siemens Rate	Currency
Siemens Traffic Light Control Material				
3.001	ST900 ELV Cabinet UK 20A Single LSL5 - Grey	nr	2,124.67	GBP
3.002	ST900 ELV Cabinet UK 40A Single LSL5 - Grey	nr	2,582.88	GBP
3.003	ELV Lamp switch (LSLS) kit	nr	268.78	GBP
3.004	ELV Lamp switch (LSLS) backplane kit	nr	97.78	GBP
3.005	ST900 I/O card kit (16 outputs)	nr	147.90	GBP
3.006	ST900 Intelligent detector backplane kit	nr	114.91	GBP
3.007	ST900 ELV 24 V detector supply Kit (6A)	nr	47.45	GBP
3.008	ELV Audible supply kit	nr	92.98	GBP
3.009	ST750 ELV UK SINGLE PED IN ST900 CAB-GREY	nr	1,668.59	GBP
3.010	ST750 ELV UK DUAL PED IN ST900 CAB-GREY	nr	1,876.25	GBP
3.011	Screw Lock Key	nr	4.65	GBP
3.012	ST900 Miscellaneous Cabinet	nr	910.60	GBP
3.013	ST45 Detector	nr	86.01	GBP
3.014	19" Detector Rack	nr	44.52	GBP
3.015	AGD 200 VEHICLE DETECTOR - UK Applications	nr	274.89	GBP
3.016	AGD305-500-000 - 24v Single Lane Traffic Detecor Livewire version	nr	494.20	GBP
3.017	AGD 605-500-000 - Digital Vision VEHICLE Presence/Stopline Detector	nr	1,074.53	GBP
3.018	AGD220-200-000 - 24v Pedestrian On Crossing (TR2179)	nr	379.83	GBP
3.019	AGD625-201-000 - Digital Vision Pedestrian Detector (TR2182) Livewire Version (Kerbside)	nr	807.98	GBP
3.020	4.32 metre FORMED Cranked Galvanised Grey "Abcite" to RAL7037 SLOTLESS	nr	236.44	GBP
3.021	4.0 metre Grey Galvanised + Plastic Coated SLOTLESS	nr	106.54	GBP
3.022	2.0 metre Short Pole Galvanised Grey Welded Cap SLOTLESS	nr	97.12	GBP
3.023	6.0 metre wide Based pole	nr	268.02	GBP
3.024	NAL Socket for wide based pole	nr	511.77	GBP
3.025	Pole Top Cap Assembly ELONGATED (Grey)	nr	30.73	GBP
3.026	Standard ELV RAG (Red Amber Green)	nr	477.80	GBP
3.027	Extra Over Standard RAG for Arrow Mask on Green Aspect	nr	1.75	GBP
3.028	Extra Over Standard RAG for Side Mounted Green Arrow	nr	143.63	GBP
3.029	Extra Over Standard RAG for 4 in Line Mounted Green Arrow	nr	155.90	GBP
3.030	Extra Over Standard RAG for Side Mounted Regulatory Sign (e.g. No Left Turn)	nr	147.99	GBP
3.031	Extra Over Standard RAG for 4 in Line Mounted Regulatory Sign (e.g. No Left Turn)	nr	154.80	GBP
3.032	ELV Pedestrian Head (Red Man / Green Man)	nr	369.96	GBP
3.033	ELV Toucan Head (Red Man / Green Man/ Cycle Sign)	nr	586.37	GBP
3.034	Bracket to Pole Mounting Kit	nr	3.03	GBP
3.035	Softwire kit of parts for pushbuttons (Included in 37 Below)	nr	-	GBP
3.036	Adjustable Audio Kit for Pushbuttons	nr	20.94	GBP
3.037	Pedestrian / Pelican or Toucan Pushbutton Unit without Audible/No lamp monitoring (Mechanical)	nr	170.45	GBP
3.038	ELV - Puffin COMBINED NSS & Demand Unit 48V - Standard Optics Vandal Resist (moving) PB -	nr	784.53	GBP
3.039	ELV - Toucan COMBINED NSS & Demand Unit 48V - Standard Optics Vandal Resist (moving) PB -	nr	866.28	GBP
3.040	Pedestrian ELV Demand Unit vandal resistant button (moving) - AGD941-630-000	nr	224.91	GBP
3.041	AGD High Level Puffin Repeater	nr	633.05	GBP
3.042	RADIX CU/TU100 (48V) Tactile Unit - ELV	nr	133.28	GBP
3.043	RADIX CU/TU100 (48V) Tactile Unit - (ELV FAR SIDE)	nr	166.59	GBP
3.044	Solar Cell Kit of Parts (ELV 24 volt)	nr	34.16	GBP
3.045	300mm Extension Bracket	nr	152.81	GBP
3.046	TCSU Specification Pillar (Tofco)	nr	364.85	GBP
3.047	2 Pair Armoured Cable 1/1.38mm (1.5mm2)	nr	1.33	GBP
3.048	12 Core Signal Cable 1/1.38mm (1.5 mm2)	nr	3.07	GBP
3.049	20 Core Signal Cable 1/1.38mm (1.5 mm2)	nr	4.56	GBP
3.050	Mains Feeder Cable 3 core 6mm2	nr	2.39	GBP
3.051	NLT (Graphic) + Door (Included in Item 26 or 27)	nr	-	GBP
3.052	NRT (Graphic) + Door (Included in Item 26 or 27)	nr	-	GBP
3.053	ELV Single Body Side Mounted (Reg Sign) No Door LED (Included in Item 22)	nr	-	GBP
3.054	Red LED Optic (less body) (Included in Item 22)	nr	-	GBP
3.055	Amber LED Optic (less body) (Included in Item 22)	nr	-	GBP
3.056	Green Ped LED Optic (less body) (Included in Item 22)	nr	-	GBP
3.057	Primary Hoods (Included in Item 22)	nr	-	GBP
3.058	Secondary Hoods (Included in Item 22)	nr	-	GBP
3.059	3 in line boards standard (Included in Item 22)	nr	-	GBP
3.060	RAG LED (Complete Assy)without hoods or backing boards (Included in Item 22)	nr	-	GBP
3.061	RAGA LED (Ahead Only) without hoods or backing boards (Included in Item 22)	nr	-	GBP
3.062	RAGA LED (L or R) without hoods or backing boards (Included in Item 22)	nr	-	GBP
3.063	PED LED (Complete Assy)without hoods or backing boards (Included in Item 22)	nr	-	GBP
3.064	3 Aspect body + brackets (without hoods or backing boards) (Included in Item 22)	nr	-	GBP
Subcontract				
3.065	Anti Graffiti	nr	305.10	GBP
3.066	Traffic Loop Cutting (per Quote)			
3.067	Gantry Pole	nr	34,523.43	GBP
Other Items				
3.068	Tram Signal Head	nr	3,254.37	GBP
3.069	NAL Sockets	nr	256.55	GBP
3.070	Design Services			
3.071	Supply UTMC O.T.U.	nr	5,038.85	GBP

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Note : From 1 October 2014 and annually thereafter, each of the rates and prices for Systems and Trackwork set out in this Part 2 of Appendix C shall be substituted by the relevant rates and prices multiplied by the value of RPIX for the immediately preceding June that year, divided by the RPIX for January 2013

EDINBURGH TRAM NETWORK
 ON STREET WORKS : SECTION 1C
 SCHEDULE PART 45: APPENDIX C :

PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
 AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Sub-Contractor Staff				
1.01	Contracts Manager	4wkly	6,922.50	GBP	15-Jan-14
1.02	Project Manager	4wkly	5,857.50	GBP	15-Jan-14
1.03	Site Agent	4wkly	5,325.00	GBP	15-Jan-14
1.04	S Contracts Engineer / S Measurement Engineer	4wkly	4,260.00	GBP	15-Jan-14
1.05	Contracts Engineer	4wkly	4,260.00	GBP	15-Jan-14
1.06	General Foreman	4wkly	5,112.00	GBP	15-Jan-14
1.07	Site Engineer	4wkly	4,260.00	GBP	15-Jan-14
1.08	Office Manager	4wkly	4,260.00	GBP	15-Jan-14
1.09	Site Clerk	4wkly	2,130.00	GBP	15-Jan-14
1.10	Typist	4wkly	2,662.50	GBP	15-Jan-14
1.11	Senior Accounts Staff	4wkly	5,706.27	GBP	15-Jan-14
1.12	Accounts Admin	4wkly	3,474.03	GBP	15-Jan-14
1.13	Quantity Surveyor	4wkly	5,325.00	GBP	15-Jan-14
1.14	HSE Site Manager	4wkly	4,792.50	GBP	15-Jan-14
1.15	Measurement Engineer	4wkly	3,967.13	GBP	15-Jan-14

PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Labour				
	Labour (Mon-Thu 08:00-16:30hrs, Fri 08:00-15:30hrs)				
2.01	General Operative	hr	12.59	GBP	15-Jan-14
2.02	Labour Skill Level 3	hr	13.08	GBP	15-Jan-14
2.03	Labour Skill Level 2	hr	12.59	GBP	15-Jan-14
2.04	Labour Skill Level 1	hr	12.59	GBP	15-Jan-14
2.05	Joiner	hr	17.57	GBP	15-Jan-14
2.06	Brick Layer	hr	17.57	GBP	15-Jan-14
2.07	Working Foreman	hr	18.02	GBP	15-Jan-14
2.08	Ganger - 1	hr	16.45	GBP	15-Jan-14
2.09	Ganger - 2	hr	16.45	GBP	15-Jan-14
2.10	Sett Layer	hr	17.57	GBP	15-Jan-14
	Labour Non Productive Overtime				
	Saturday am and Weekdays (Sat 08:00-12:00hrs , Mon - Fri pre 08:00hrs &				
2.11	General Operative	hr	17.13	GBP	15-Jan-14
2.12	Labour Skill Level 3	hr	17.88	GBP	15-Jan-14
2.13	Labour Skill Level 2	hr	17.13	GBP	15-Jan-14
2.14	Labour Skill Level 1	hr	17.13	GBP	15-Jan-14
2.15	Joiner	hr	23.15	GBP	15-Jan-14
2.16	Brick Layer	hr	23.38	GBP	15-Jan-14
2.17	Working Foreman	hr	23.88	GBP	15-Jan-14
2.18	Ganger - 1	hr	21.79	GBP	15-Jan-14
2.19	Ganger - 2	hr	21.79	GBP	15-Jan-14
2.20	Sett Layer	hr	23.38	GBP	15-Jan-14
	Saturday pm and Sunday all day				
2.21	General Operative	hr	21.67	GBP	15-Jan-14
2.22	Labour Skill Level 3	hr	22.70	GBP	15-Jan-14
2.23	Labour Skill Level 2	hr	21.67	GBP	15-Jan-14
2.24	Labour Skill Level 1	hr	21.67	GBP	15-Jan-14
2.25	Joiner	hr	29.02	GBP	15-Jan-14
2.26	Brick Layer	hr	29.02	GBP	15-Jan-14
2.27	Working Foreman	hr	29.72	GBP	15-Jan-14
2.28	Ganger - 1	hr	26.53	GBP	15-Jan-14
2.29	Ganger - 2	hr	27.07	GBP	15-Jan-14
2.30	Sett Layer	hr	29.02	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
 ON STREET WORKS : SECTION 1C
 SCHEDULE PART 45: APPENDIX C :

PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
 AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Nightshift (1900hrs - 0700hrs) Minimum 5 days				
2.31	General Operative	hr	19.65	GBP	15-Jan-14
2.32	Labour Skill Level 3	hr	19.65	GBP	15-Jan-14
2.33	Labour Skill Level 2	hr	19.65	GBP	15-Jan-14
2.34	Labour Skill Level 1	hr	19.65	GBP	15-Jan-14
2.35	Joiners	hr	24.23	GBP	15-Jan-14
2.36	Brick Layer	hr	24.23	GBP	15-Jan-14
2.37	Working Foreman	hr	25.96	GBP	15-Jan-14
2.38	Ganger - 1	hr	19.65	GBP	15-Jan-14
2.39	Ganger - 2	hr	19.65	GBP	15-Jan-14
2.40	Plant Op	hr	30.59	GBP	15-Jan-14
2.41	Sett Layer	hr	24.23	GBP	15-Jan-14
	Incidental Night Shift				
2.42	General Operative	hr	25.18	GBP	15-Jan-14
2.43	Labour Skill Level 3	hr	26.16	GBP	15-Jan-14
2.44	Labour Skill Level 2	hr	25.18	GBP	15-Jan-14
2.45	Labour Skill Level 1	hr	25.18	GBP	15-Jan-14
2.46	Joiners	hr	35.15	GBP	15-Jan-14
2.47	Brick Layer	hr	35.15	GBP	15-Jan-14
2.48	Working Foreman	hr	36.04	GBP	15-Jan-14
2.49	Ganger - 1	hr	32.91	GBP	15-Jan-14
2.50	Ganger - 2	hr	32.91	GBP	15-Jan-14
2.51	Plant Op	hr	30.59	GBP	15-Jan-14
2.52	Sett Layer	hr	24.23	GBP	15-Jan-14

PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Large Plant				
	Excavators				
3.01	JCB 2CX/Tractaire	hr	23.80	GBP	15-Jan-14
3.02	JCB 3CX	hr	25.03	GBP	15-Jan-14
3.03	3T Tracked	hr	22.37	GBP	15-Jan-14
3.04	5T Tracked	hr	23.43	GBP	15-Jan-14
3.05	7T Tracked	hr	25.17	GBP	15-Jan-14
3.06	8T Tracked	hr	26.09	GBP	15-Jan-14
3.07	13T Tracked	hr	26.36	GBP	15-Jan-14
3.08	14T Tracked	hr	27.16	GBP	15-Jan-14
3.09	16T Tracked	hr	28.91	GBP	15-Jan-14
3.10	20T Tracked	hr	29.71	GBP	15-Jan-14
3.11	22T Tracked	hr	30.35	GBP	15-Jan-14
3.12	25T Tracked	hr	31.31	GBP	15-Jan-14
3.13	35T Tracked	hr	39.14	GBP	15-Jan-14
3.14	40T Tracked	hr	38.02	GBP	15-Jan-14
3.15	45T Tracked	hr	51.12	GBP	15-Jan-14
3.16	14T Wheeled	hr	29.82	GBP	15-Jan-14
3.17	16T Wheeled	hr	31.95	GBP	15-Jan-14
3.18	22T wheeled	hr	37.28	GBP	15-Jan-14
3.19	D6 Widespread Dozer	hr	36.21	GBP	15-Jan-14
3.20	Hydraulic Breaker - Mini	day	31.95	GBP	15-Jan-14
3.21	Hudraulic Breaker - 13T	day	74.55	GBP	15-Jan-14
3.22	Hydraulic Breaker - 20T	day	127.80	GBP	15-Jan-14
3.23	Road roller	hr	53.25	GBP	15-Jan-14
	Haulage				
3.24	3t Dumper 4wd Hydraulic Tipping	Wk	106.50	GBP	15-Jan-14
3.25	5t Dumper 4wd Hydraulic Tipping	Wk	143.14	GBP	15-Jan-14
3.26	6t Dumper 4wd Hydraulic Tipping	Wk	143.78	GBP	15-Jan-14
3.27	9t Dumper 4wd Hydraulic Tipping	Wk	181.05	GBP	15-Jan-14
3.28	12t Dumptruck on floating tyres - SD	Wk	410.03	GBP	15-Jan-14
3.29	EO Dumpers for Turntable Skip	Wk	10.65	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
ON STREET WORKS : SECTION 1C
SCHEDULE PART 45: APPENDIX C :

PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Haulage (HGV)				
3.30	16t (6 wheel) Tipper Lorry	hr	39.41	GBP	15-Jan-14
3.31	20t (8 wheel) Tipper Lorry	hr	47.93	GBP	15-Jan-14
3.32	32t (articulated) Tipper Lorry	hr	54.79	GBP	15-Jan-14
3.33	tipping charge	Nr	53.25	GBP	15-Jan-14
3.33-1	Tipping charge Inert	t	2.66	GBP	15-Jan-14
3.33-2	Tipping charge Active	t	11.98	GBP	15-Jan-14
3.33-3	Tipping charge contaminated	t	As invoice cost	GBP	As invoice cost
3.34	Hiab (8 wheel)	hr	51.65	GBP	15-Jan-14
3.35	Hiab (6wheel)	HR	39.41	GBP	15-Jan-14
3.36	Low Loader (articulated)	hr	58.58	GBP	15-Jan-14
3.37	Flat Bed with Hiab 7.5T	hr	34.08	GBP	15-Jan-14
3.38	Flat Bed 7.5T	hr	35.41	GBP	15-Jan-14
3.39	Telehandler 14m - Unmaned	Wk	239.63	GBP	15-Jan-14
3.40	Telehandler 12m - Unmaned	Wk	239.63	GBP	15-Jan-14
3.41	Telehandler 17m -Unmaned	Wk	239.63	GBP	15-Jan-14
3.42	Telehandler 7m - Unmaned	Wk	191.70	GBP	15-Jan-14
	Road Planers				
3.43	Road Planer 1200 - Banksman measured seperately	day			15-Jan-14
3.44	Mini Patch Planner	day			15-Jan-14
3.45	Road Planner 2m	day			15-Jan-14
3.46	Road Planner 300mm	day			15-Jan-14
3.47	Road Planner 350mm & Sweeper Package	day			15-Jan-14
	Unmanned and Small Plant				
	Compaction				
4.00	Vibrating PLATE	Wk	29.29	GBP	15-Jan-14
4.01	Vibrating Plate Compactor (reversible)small	Wk	37.28	GBP	15-Jan-14
4.02	Tamper (RAMMER)	Wk	15.98	GBP	15-Jan-14
4.03	Single Drum Vibro Roller (pedestrian operated) 18"	Wk	28.76	GBP	15-Jan-14
4.04	Double Drum Vibro Roller (pedestrian operated) BOMAG	Wk	90.53	GBP	15-Jan-14
4.05	Double Drum Vibro Roller (pedestrian operated) BOMAG	Wk	133.13	GBP	15-Jan-14
4.06	Multi Purpose Compactor (Remote Control) 1.5t	Wk	191.70	GBP	15-Jan-14
4.07	Self Propelled Tandem Vibro Roller up to 2.5t	Wk	131.26	GBP	15-Jan-14
4.08	RAMAX TRENCH ROLLER	Wk	202.35	GBP	15-Jan-14

PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Crummock Rate	Currency	Fixed to
Concrete Equipment					
4.09	Concrete Pump (16m3)	day	479.25	GBP	15-Jan-14
4.10	Concrete Pump (26m3)	day	479.25	GBP	15-Jan-14
4.11	Grout mixer / pump (SIKA Only)	Wk	436.65	GBP	15-Jan-14
4.12	Power Float - 36" excludes consumables	Wk	40.47	GBP	15-Jan-14
4.13	Vibrator inc petrol generator (high frequency)	Wk	79.88	GBP	15-Jan-14
4.14	Scabblor inc petrol generator - 3 HEADED	Wk	14.91	GBP	15-Jan-14
4.15	Concrete Planer - Anchor -	Wk	133.13	GBP	15-Jan-14
4.16	Concrete Planer - Floor	Wk	79.88	GBP	15-Jan-14
Compressors and Tools					
4.17	Compressor 85cfm	Wk	38.34	GBP	15-Jan-14
4.18	Compressor 125cfm	Wk	44.73	GBP	15-Jan-14
4.19	Compressor 150cfm	Wk	54.85	GBP	15-Jan-14
4.20	Chipping Hammer	Wk	17.04	GBP	15-Jan-14
4.21	Chisel/Point/Chipping Cutter	Wk	3.20	GBP	15-Jan-14
4.22	Chisel/Point/Tar Cutter	Wk	3.20	GBP	15-Jan-14
4.23	28kg Air Breaker	Wk	8.52	GBP	15-Jan-14
Generators					
4.24	Generator 2.2KvA inc drip tray	Wk	11.72	GBP	15-Jan-14
4.25	Generator 3.5KvA inc drip tray	Wk	26.63	GBP	15-Jan-14
4.26	Generator 20KvA inc drip tray	Wk	69.23	GBP	15-Jan-14
4.27	Generator 80KvA inc drip tray	Wk	127.80	GBP	15-Jan-14
Accomodation/Storage					
4.28	10' Container Mobile Mini	Wk	10.65	GBP	15-Jan-14
4.29	3 in 1 toilet (sump and water tank Inc.)	Wk	36.21	GBP	15-Jan-14
4.30	32' office unit	Wk	36.21	GBP	15-Jan-14
4.31	32' canteen unit	Wk	36.21	GBP	15-Jan-14
4.32	32' drying room	Wk	31.95	GBP	15-Jan-14
4.33	Steel Container	Wk	15.98	GBP	15-Jan-14
4.34	Oasis Unit	Wk	138.45	GBP	15-Jan-14
4.35	Toilet (single unit)	Wk	26.63	GBP	15-Jan-14
4.36	Rollalong Unit (Oasis Type)	Wk	154.43	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
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PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
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Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Saws(excluding consumables)				
4.37	Stihl Saw	Wk	10.65	GBP	15-Jan-14
4.38	Road Saw - 12 " Saw	Wk	22.37	GBP	15-Jan-14
4.38-1	Road Saw - 14 " Saw	Wk	37.28	GBP	15-Jan-14
4.38-2	Road Saw - 16 " Saw	Wk	47.93	GBP	15-Jan-14
4.39	Bench Saw - 16"	Wk	17.89	GBP	15-Jan-14
4.40	Dust Suppression Kit	Wk	3.35	GBP	15-Jan-14
	Pumps (all include 10m suction hose, 20m delivery hose & drip trays)				
4.41	2" centrifugal	Wk	31.95	GBP	15-Jan-14
4.42	2" Submersible	Wk	31.95	GBP	15-Jan-14
4.43	3" centrifugal	Wk	25.56	GBP	15-Jan-14
4.44	3" Submersible	Wk	18.23	GBP	15-Jan-14
4.45	4" centrifugal	Wk	106.50	GBP	15-Jan-14
4.46	4" Silenced	Wk	127.80	GBP	15-Jan-14
4.47	6" centrifugal	Wk	191.70	GBP	15-Jan-14
4.48	6" Silenced	Wk	191.70	GBP	15-Jan-14
	General				
4.49	Forklift 4wd (JCB Loadall or equivalent)	Wk	175.73	GBP	15-Jan-14
4.50	Bucket	Wk	10.65	GBP	15-Jan-14
4.51	Forklift 2t/4m	Wk	175.73	GBP	15-Jan-14
4.52	Road Plates	Wk	12.78	GBP	15-Jan-14
4.53	Road Plates - Anti Skid	Wk	18.64	GBP	15-Jan-14
4.54	Water Bowser - 250g	Wk	25.56	GBP	15-Jan-14
4.55	Fuel Bowser - 250g	Wk	27.16	GBP	15-Jan-14
4.56	Fuel Bowser - 500g	Wk	35.15	GBP	15-Jan-14
4.57	HAVS Monitoring Equipment - Base	Wk	42.60	GBP	15-Jan-14
4.58	HAVS Monitoring Equipment - Kit each	Wk	21.30	GBP	15-Jan-14
4.59	Lighting Tower - VT1	Wk	106.50	GBP	15-Jan-14
4.60	Skip 14yd enclosed	uplift	181.05	GBP	15-Jan-14
4.61	Skip 12yd	uplift	170.40	GBP	15-Jan-14
4.62	Skip 16yd	uplift	202.35	GBP	15-Jan-14
4.63	Skip 8yd	uplift	187.44	GBP	15-Jan-14

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Item no	Description	Unit	Crummock Rate	Currency	Fixed to
Survey Equipment					
4.64	Laser	Wk	26.63	GBP	15-Jan-14
4.65	Total Station	Wk	58.58	GBP	15-Jan-14
4.66	Prima Station	Wk	6.39	GBP	15-Jan-14
4.67	level	Wk	14.91	GBP	15-Jan-14
4.68	CAT & Signal Generator	Wk	5.33	GBP	15-Jan-14
4.69	Pipe Laser	Wk	21.30	GBP	15-Jan-14
4.70	Rotating Laser	Wk	21.30	GBP	15-Jan-14
4.71	Road Sweeper	hr	27.16	GBP	15-Jan-14
4.72	Gas Monitor & Kit	Wk	26.63	GBP	15-Jan-14
4.73	Two Way Radios - per handset	Wk	5.33	GBP	15-Jan-14
Miscellaneous Items					
4.74	Heras Fencing - Anti Climb	per m per week	0.32	GBP	15-Jan-14
4.75	Rhino Barrier or similar (incl mesh barrier)	per m per week	1.17	GBP	15-Jan-14
4.76	Cover Meter	Wk	29.82	GBP	15-Jan-14
4.77	Kerb Lifter/Slab Lifter manual	Wk	20.24	GBP	15-Jan-14
4.78	Kerb Lifter/Slab Lifter suction	Wk	38.02	GBP	15-Jan-14
4.79	Kerb Lifter Mechanical	Wk	47.22	GBP	15-Jan-14
4.80	Stand Pipe - License £450	Wk	11.18	GBP	15-Jan-14
4.81	Crusher	hr	69.23	GBP	15-Jan-14
4.82	Crew Bus	Wk	181.05	GBP	15-Jan-14
4.83	Transit Van	Wk	127.80	GBP	15-Jan-14
4.84	Squad Van CSL	Wk	213.00	GBP	15-Jan-14
4.85	Road Sweeper (Min Charge 2hr M-F)	hr	27.42	GBP	15-Jan-14
4.86	Road Sweeper (Min Charge 4hr Sat)	hr	33.81	GBP	15-Jan-14
4.87	Road Sweeper (Min Charge 8hr Sun)	hr	38.07	GBP	15-Jan-14

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PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
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Item no	Description	Unit	Crummock Rate	Currency	Fixed to
	Materials				
5.01	ST1	m3	69.23	GBP	15-Jan-14
5.02	ST2	m3	70.82	GBP	15-Jan-14
5.03	ST4	m3	73.14	GBP	15-Jan-14
5.04	8-1 No Fines	m3	69.23	GBP	15-Jan-14
5.05	C16/20	m3	69.23	GBP	15-Jan-14
5.06	C28/35	m3	73.89	GBP	15-Jan-14
5.07	C32/40 OLE	m3	77.08	GBP	15-Jan-14
5.08	C32/40 Lower Track	m3	84.34	GBP	15-Jan-14
5.09	C40 /50 Upper Track	m3	84.24	GBP	15-Jan-14
5.10	C40/50 Black Concrete	m3	149.53	GBP	15-Jan-14
5.11	Part Load	m3	40.47	GBP	15-Jan-14
5.12	Waiting	hr	79.88	GBP	15-Jan-14
5.13	Class 1 Bedding Mortar	m3	124.61	GBP	15-Jan-14
5.14	4:1 sand/cement mortar	m3	104.37	GBP	15-Jan-14
5.15	Coloured Mortar	m3	204.48	GBP	15-Jan-14
5.16	Reinforcing Bars (cut and bent)	t	692.25	GBP	15-Jan-14
5.17	A393	m2	4.13	GBP	15-Jan-14
5.18	A252	m2	2.65	GBP	15-Jan-14
5.19	B1131	m2	7.43	GBP	15-Jan-14
5.20	B503	m2	4.05	GBP	15-Jan-14
5.21	B785	m2	5.55	GBP	15-Jan-14
5.22	Type 1	t	9.05	GBP	15-Jan-14
5.23	6N	t	9.85	GBP	15-Jan-14
5.24	10mm Gravel (quarried)	t	14.38	GBP	15-Jan-14
5.25	10mm Gravel (recycled) subject to availability and comp	t	12.67	GBP	15-Jan-14
5.26	20mm Gravel (quarried)	t	14.38	GBP	15-Jan-14
5.27	20mm Gravel (recycled) subject to availability and comp	t	12.67	GBP	15-Jan-14
5.28	40mm Gravel	t	14.38	GBP	15-Jan-14
5.29	75mm clean stone	t	14.11	GBP	15-Jan-14
5.30	Concrete Sand	t	13.85	GBP	15-Jan-14
5.31	Concrete Sand - 1t bagged	t	24.85	GBP	15-Jan-14
5.32	Building Sand	t	24.85	GBP	15-Jan-14
5.33	Building Sand - 1t bagged	bag	24.85	GBP	15-Jan-14
5.34	Whin Dust - binding	t	9.05	GBP	15-Jan-14
5.35	Whin Dust - 1t bagged	bag	50.11	GBP	15-Jan-14
5.36	OP Cement 25kg Bags	bag	3.17	GBP	15-Jan-14
5.37	150mm dia plastic drainage pipe (Polypipe TW)	m	1.97	GBP	15-Jan-14
5.38	150mm dia drainage bends 15,30 & 45 deg (Ridgidrain)	Nr	10.76	GBP	15-Jan-14
5.39	150mm x 150mm dia drainage branches (Ridgidrain)	Nr	18.64	GBP	15-Jan-14
5.40	150mm Dia Coupler (Ridgidrain)	Nr	1.81	GBP	15-Jan-14
5.41	150mm Dia Sealing Rings	Nr	0.85	GBP	15-Jan-14
5.42	94mm ID duct	m	1.17	GBP	15-Jan-14
5.43	Coupler 94mm	Nr	2.07	GBP	15-Jan-14
5.44	Seals 94mm	Nr	0.53	GBP	15-Jan-14
5.45	100mm ID duct	m	2.08	GBP	15-Jan-14
5.46	Couplings 100mm	Nr	2.52	GBP	15-Jan-14
5.47	Seals 100mm	Nr	0.53	GBP	15-Jan-14
5.48	150mm ID duct	m	3.25	GBP	15-Jan-14
5.49	Couplings 150mm	Nr	1.81	GBP	15-Jan-14
5.50	Seals 150mm	Nr	1.70	GBP	15-Jan-14
5.51	300mm ID duct	m	8.95	GBP	15-Jan-14
5.52	Couplings 300mm	Nr	6.02	GBP	15-Jan-14
5.53	Seals 300mm	Nr	2.81	GBP	15-Jan-14
5.54	100mm dia purple duct (40m coil) (Polypipe)	m	0.45	GBP	15-Jan-14
5.55	94/110mm dia orange duct (50m coil) (Ridgicoil)	m	1.55	GBP	15-Jan-14
5.56	94/110mm dia orange duct (6m rigid) (Ridgiduct)	m	1.34	GBP	15-Jan-14
5.57	Duct collars	Nr	2.07	GBP	15-Jan-14
5.58	Gully Pot 450x900x150 (Polypipe)	Nr	17.09	GBP	15-Jan-14
5.59	Yard Gully Adaptor (Polypipe)	Nr	3.74	GBP	15-Jan-14
5.60	Gully Grating and Frame (430x370x100) D400	Nr	41.93	GBP	15-Jan-14

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PART 3.1 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
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Item no	Description	Unit	Crummock Rate	Currency	Fixed to
5.61	1050mm dia manhole rings - 500mm high	Nr	39.69	GBP	15-Jan-14
5.62	1050mm dia manhole rings - 750mm high	Nr	39.69	GBP	15-Jan-14
5.63	Manhole Cover Slab 1050mm dia 675sq opening	Nr	57.53	GBP	15-Jan-14
5.64	Manhole Seating Slab Lothian 675 sq opening	Nr	72.81	GBP	15-Jan-14
5.65	1200mm dia manhole rings - 500mm high	Nr	48.34	GBP	15-Jan-14
5.66	1200mm dia manhole rings - 750mm high	Nr	48.34	GBP	15-Jan-14
5.67	Manhole Cover Slab 1200mm dia 675sq opening	Nr	69.69	GBP	15-Jan-14
5.68	Manhole Cover and Frame (675x675x100) D400	Nr	133.56	GBP	15-Jan-14
5.69	Manhole Cover and Frame (675x675x150) D400	Nr	133.56	GBP	15-Jan-14
5.70	T14S 900 x 900 Chamber Cover and Frame (norinco)	Nr	470.73	GBP	15-Jan-14
5.71	T14S 900 x 1800 Chamber Cover and Frame (norinco)	Nr	1,273.74	GBP	15-Jan-14
5.72	T14S Lifting and Locking Key (norinco)	Nr	24.50	GBP	15-Jan-14
5.73	900 x 600 PCC slabs grey 50mm	Nr	2.93	GBP	15-Jan-14
5.74	900 x 600 PCC slabs grey 63mm	Nr	3.78	GBP	15-Jan-14
5.75	450 x 450 Perfecta Slabs Buff 70mm	Nr	8.50	GBP	15-Jan-14
5.76	600 x 450 Perfecta Slabs Natural 50mm Sq Ed	Nr	13.09	GBP	15-Jan-14
5.77	600 x 450 Perfecta Slabs Buff Sq/Ch 50mm	Nr	10.60	GBP	15-Jan-14
5.78	Caithness Flagstones 80mm thick	m2	89.46	GBP	15-Jan-14
5.79	225x125 PCC HB Kerbs	m	3.54	GBP	15-Jan-14
5.80	225x125 PCC BN Kerbs	m	3.54	GBP	15-Jan-14
5.81	150x125 PCC BN Kerbs	m	3.38	GBP	15-Jan-14
5.82	Transition Kerbs PCC 125x255/150 HB/BN L or R	m	5.92	GBP	15-Jan-14
5.83	Whin Setts/Cobble Stones to Road Recycled	m2	41.54	GBP	15-Jan-14
5.84	Whin Setts/Cobble Stones to Track Recycled	m2	41.54	GBP	15-Jan-14
5.85	Natural Kerbs - New K 7	m	86.53	GBP	15-Jan-14
5.86	NaturalKerbs Whin/Granite CEC Stock - Reclaimed	m	45.26	GBP	15-Jan-14
5.87	18mm Plywood	m2	7.56	GBP	15-Jan-14
5.88	25mm Plywood	m2	12.78	GBP	15-Jan-14
5.89	50 x 50 Timber	m	0.71	GBP	15-Jan-14
5.90	100 x 50 Timber	m	1.29	GBP	15-Jan-14
5.91	150 x 150 Timber	m	7.14	GBP	15-Jan-14
5.92	150 x 50 Timber	m	2.24	GBP	15-Jan-14
5.93	18" dia Diamond Blade	Nr	143.78	GBP	15-Jan-14
5.94	9" dia Diamond Blade	Nr	31.95	GBP	15-Jan-14
5.95	Stihl Saw Diamond Blade	Nr	42.60	GBP	15-Jan-14

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PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
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Item no.	Description	Unit	Lagan Rate	Currency	Fixed to
	Sub-Contractor Staff				
1.01	Contracts Manager	4wkly	9,140.00	GBP	15-Jan-14
1.02	Project Manager	4wkly	8,499.65	GBP	15-Jan-14
1.03	Site Agent	4wkly	7,260.00	GBP	15-Jan-14
1.04	S Contracts Engineer / S Measurement Engineer	4wkly	7,260.00	GBP	15-Jan-14
1.05	Contracts Engineer	4wkly	7,260.00	GBP	15-Jan-14
1.06	General Foreman	4wkly	7,260.00	GBP	15-Jan-14
1.07	Site Engineer	4wkly	6,952.00	GBP	15-Jan-14
1.08	Office Manager	4wkly	5,448.00	GBP	15-Jan-14
1.09	Site Clerk	4wkly	3,725.00	GBP	15-Jan-14
1.10	Typist	4wkly	3,725.00	GBP	15-Jan-14
1.11	Senior Accounts Staff	4wkly	8,304.00	GBP	15-Jan-14
1.12	Accounts Admin	4wkly	3,725.00	GBP	15-Jan-14
1.13	Quantity Surveyor	4wkly	6,980.00	GBP	15-Jan-14
1.14	HSE Site Manager	4wkly	6,980.00	GBP	15-Jan-14
1.15	Measurement Engineer	4wkly	6,672.00	GBP	15-Jan-14

PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Labour				
	Labour (Mon-Thu 08:00-16:30hrs, Fri 08:00-15:30hrs)				
2.01	General Operative	hr	18.90	GBP	15-Jan-14
2.02	Labour Skill Level 3	hr	18.90	GBP	15-Jan-14
2.03	Labour Skill Level 2	hr	18.90	GBP	15-Jan-14
2.04	Labour Skill Level 1	hr	18.90	GBP	15-Jan-14
2.05	Joiner	hr	18.90	GBP	15-Jan-14
2.06	Brick Layer	hr	18.90	GBP	15-Jan-14
2.07	Working Foreman	hr	20.90	GBP	15-Jan-14
2.08	Ganger - 1	hr	20.90	GBP	15-Jan-14
2.09	Ganger - 2	hr	20.90	GBP	15-Jan-14
2.10	Sett Layer	hr	18.90	GBP	15-Jan-14
	Labour Non Productive Overtime				
	Saturday am and Weekdays (Sat 08:00-12:00hrs , Mon-Fri pre 08:00hrs & post 16:30hrs)				
2.11	General Operative	hr	21.21	GBP	15-Jan-14
2.12	Labour Skill Level 3	hr	21.21	GBP	15-Jan-14
2.13	Labour Skill Level 2	hr	21.21	GBP	15-Jan-14
2.14	Labour Skill Level 1	hr	21.21	GBP	15-Jan-14
2.15	Joiner	hr	21.74	GBP	15-Jan-14
2.16	Brick Layer	hr	27.18	GBP	15-Jan-14
2.17	Working Foreman	hr	29.23	GBP	15-Jan-14
2.18	Ganger - 1	hr	29.23	GBP	15-Jan-14
2.19	Ganger - 2	hr	29.23	GBP	15-Jan-14
2.20	Sett Layer	hr	27.18	GBP	15-Jan-14
	Saturday pm and Sunday all day				
2.21	General Operative	hr	28.28	GBP	15-Jan-14
2.22	Labour Skill Level 3	hr	28.28	GBP	15-Jan-14
2.23	Labour Skill Level 2	hr	28.28	GBP	15-Jan-14
2.24	Labour Skill Level 1	hr	28.28	GBP	15-Jan-14
2.25	Joiner	hr	36.24	GBP	15-Jan-14
2.26	Brick Layer	hr	36.24	GBP	15-Jan-14
2.27	Working Foreman	hr	38.98	GBP	15-Jan-14
2.28	Ganger - 1	hr	38.98	GBP	15-Jan-14
2.29	Ganger - 2	hr	38.98	GBP	15-Jan-14
2.30	Sett Layer	hr	36.24	GBP	15-Jan-14

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PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
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Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Nightshift (1900hrs - 0700hrs)				
2.31	General Operative	hr	28.28	GBP	15-Jan-14
2.32	Labour Skill Level 3	hr	28.28	GBP	15-Jan-14
2.33	Labour Skill Level 2	hr	28.28	GBP	15-Jan-14
2.34	Labour Skill Level 1	hr	28.28	GBP	15-Jan-14
2.35	Joiners	hr	36.24	GBP	15-Jan-14
2.36	Brick Layer	hr	36.24	GBP	15-Jan-14
2.37	Working Foreman	hr	38.98	GBP	15-Jan-14
2.38	Ganger - 1	hr	38.98	GBP	15-Jan-14
2.39	Ganger - 2	hr	38.98	GBP	15-Jan-14
2.40	Plant Op	hr	38.98	GBP	15-Jan-14
2.41	Sett Layer	hr	36.24	GBP	15-Jan-14
	Incidental Night Shift				
2.42	General Operative	hr	36.24	GBP	15-Jan-14
2.43	Labour Skill Level 3	hr	37.65	GBP	15-Jan-14
2.44	Labour Skill Level 2	hr	36.24	GBP	15-Jan-14
2.45	Labour Skill Level 1	hr	36.24	GBP	15-Jan-14
2.46	Joiners	hr	52.57	GBP	15-Jan-14
2.47	Brick Layer	hr	52.57	GBP	15-Jan-14
2.48	Working Foreman	hr	54.11	GBP	15-Jan-14
2.49	Ganger - 1	hr	65.28	GBP	15-Jan-14
2.50	Ganger - 2	hr	65.28	GBP	15-Jan-14
2.51	Plant Op	hr	38.98	GBP	15-Jan-14
2.52	Sett Layer	hr	36.24	GBP	15-Jan-14

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PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Large Plant				
	Excavators				
3.01	JCB 2CX/Tractaire	hr	28.00	GBP	15-Jan-14
3.02	JCB 3CX	hr	25.00	GBP	15-Jan-14
3.03	3T Tracked	hr	23.06	GBP	15-Jan-14
3.04	5T Tracked	hr	24.58	GBP	15-Jan-14
3.05	7T Tracked	hr	24.58	GBP	15-Jan-14
3.06	8T Tracked	hr	29.68	GBP	15-Jan-14
3.07	13T Tracked	hr	30.55	GBP	15-Jan-14
3.08	14T Tracked	hr	30.55	GBP	15-Jan-14
3.09	16T Tracked	hr	32.27	GBP	15-Jan-14
3.10	20T Tracked	hr	33.00	GBP	15-Jan-14
3.11	22T Tracked	hr	34.00	GBP	15-Jan-14
3.12	25T Tracked	hr	36.00	GBP	15-Jan-14
3.13	35T Tracked	hr	40.00	GBP	15-Jan-14
3.14	40T Tracked	hr	50.00	GBP	15-Jan-14
3.15	45T Tracked	hr	55.00	GBP	15-Jan-14
3.16	14T Wheeled	hr	32.00	GBP	15-Jan-14
3.17	16T Wheeled	hr	34.00	GBP	15-Jan-14
3.18	22T wheeled	hr	45.00	GBP	15-Jan-14
3.19	D6 Widespread Dozer	hr	55.00	GBP	15-Jan-14
3.20	Hydraulic Breaker - Mini	day	50.00	GBP	15-Jan-14
3.21	Hudraulic Breaker - 13T	day	70.00	GBP	15-Jan-14
3.22	Hydraulic Breaker - 20T	day	100.00	GBP	15-Jan-14
3.23	Road trailer	hr	100.00	GBP	15-Jan-14
	Haulage				
3.24	3t Dumper 4wd Hydraulic Tipping	Wk	130.00	GBP	15-Jan-14
3.25	5t Dumper 4wd Hydraulic Tipping	Wk	163.30	GBP	15-Jan-14
3.26	6t Dumper 4wd Hydraulic Tipping	Wk	180.00	GBP	15-Jan-14
3.27	9t Dumper 4wd Hydraulic Tipping	Wk	195.00	GBP	15-Jan-14
3.28	12tDumprtruck on floating tyres - SD	Wk	500.00	GBP	15-Jan-14
3.29	EO Dumpers for Turntable Skip	Wk	50.00	GBP	15-Jan-14

PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Haulage (HGV)				
3.30	16t (6 wheel) Tipper Lorry	hr	40.00	GBP	15-Jan-14
3.31	20t (8 wheel) Tipper Lorry	hr	45.00	GBP	15-Jan-14
3.32	32t (articulated) Tipper Lorry	hr	55.00	GBP	15-Jan-14
3.33	tipping charge	Nr	120.00	GBP	15-Jan-14
3.34	Hiab (8 wheel)	hr	55.00	GBP	15-Jan-14
3.35	Hiab (6wheel)	HR	50.00	GBP	15-Jan-14
3.36	Low Loader (articulated)	hr	55.00	GBP	15-Jan-14
3.37	Flat Bed with Hiab 7.5T	hr	43.00	GBP	15-Jan-14
3.38	Flat Bed 7.5T	hr	35.00	GBP	15-Jan-14
3.39	Telehandler 14m	Wk	250.00	GBP	15-Jan-14
3.40	Telehandler 12m	Wk	220.00	GBP	15-Jan-14
3.41	Telehandler 17m	Wk	300.00	GBP	15-Jan-14
3.42	Telehandler 7m	Wk	185.00	GBP	15-Jan-14
	Road Planers				
3.43	Road Planer 1200	day	1,800.00	GBP	15-Jan-14
3.44	Mini Patch Planner	day	800.00	GBP	15-Jan-14
3.45	Road Planner 2m	day	2,000.00	GBP	15-Jan-14
3.46	Road Planner 300mm	day	900.00	GBP	15-Jan-14
3.47	Road Planner 350mm & Sweeper Package	day	1,400.00	GBP	15-Jan-14
	Unmanned and Small Plant				
	Compaction				
4.01	Vibrating Plate Compactor (reversible)	Wk	40.00	GBP	15-Jan-14
4.02	Tamper (RAMMER)	Wk	60.00	GBP	15-Jan-14
4.03	Single Drum Vibro Roller (pedestrian operated) 18"	Wk	60.00	GBP	15-Jan-14
4.04	Double Drum Vibro Roller (pedestrian operated) BOMAG	Wk	100.00	GBP	15-Jan-14
4.05	Double Drum Vibro Roller (pedestrian operated) BOMAG	Wk	130.00	GBP	15-Jan-14
4.06	Multi Purpose Compactor (Remote Control) 1.5t	Wk	250.00	GBP	15-Jan-14
4.07	Self Propelled Tandem Vibro Roller up to 4t	Wk	180.00	GBP	15-Jan-14
4.08	RAMAX TRENCH ROLLER	Wk	200.00	GBP	15-Jan-14

PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no.	Description	Unit	Lagan Rate	Currency	Fixed to
	Concrete Equipment				
4.09	Concrete Pump (16m3)	day	800.00	GBP	15-Jan-14
4.10	Concrete Pump (26m3)	day	1,000.00	GBP	15-Jan-14
4.11	Grout mixer / pump (SIKA Only)	Wk	700.00	GBP	15-Jan-14
4.12	Power Float - 36"	Wk	75.00	GBP	15-Jan-14
4.13	Vibrator inc petrol generator (high frequency)	Wk	70.00	GBP	15-Jan-14
4.14	Scabblar inc petrol generator - 3 HEADED	Wk	75.00	GBP	15-Jan-14
4.15	Concrete Planer - Anchor -	Wk			15-Jan-14
4.16	Concrete Planer - Floor	Wk	120.00	GBP	15-Jan-14
	Compressors and Tools				
4.17	Compressor 85cfm	Wk	80.00	GBP	15-Jan-14
4.18	Compressor 125cfm	Wk	90.00	GBP	15-Jan-14
4.19	Compressor 150cfm	Wk	110.00	GBP	15-Jan-14
4.20	Chipping Hammer	Wk	20.00	GBP	15-Jan-14
4.21	Chisel/Point/Chipping Cutter	Wk	10.00	GBP	15-Jan-14
4.22	Chisel/Point/Tar Cutter	Wk	10.00	GBP	15-Jan-14
4.23	28kg Air Breaker	Wk	20.00	GBP	15-Jan-14
	Generators				
4.24	Generator 2.2KvA inc drip tray	Wk	50.00	GBP	15-Jan-14
4.25	Generator 3.5KvA inc drip tray	Wk	55.00	GBP	15-Jan-14
4.26	Generator 20KvA inc drip tray	Wk	100.00	GBP	15-Jan-14
4.27	Generator 80KvA inc drip tray	Wk	150.00	GBP	15-Jan-14
	Accomodation/Storage				
4.28	10' Container Mobile Mini	Wk	40.00	GBP	15-Jan-14
4.29	3 in 1 toilet (sump and water tank Inc.)	Wk	65.00	GBP	15-Jan-14
4.30	32' office unit	Wk	45.00	GBP	15-Jan-14
4.31	32' canteen unit	Wk	45.00	GBP	15-Jan-14
4.32	32' drying room	Wk	45.00	GBP	15-Jan-14
4.33	Steel Container	Wk	25.00	GBP	15-Jan-14
4.34	Oasis Unit	Wk	250.00	GBP	15-Jan-14
4.35	Toilet (single unit)	Wk	25.00	GBP	15-Jan-14
4.36	Rollalong Unit (Oasis Type)	Wk	250.00	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
ON STREET WORKS : SECTION 1D
SCHEDULE PART 45: APPENDIX C : PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Saws(excluding consumables)				
4.37	Stihl Saw	Wk	15.00	GBP	15-Jan-14
4.38	Road Saw	Wk	110.00	GBP	15-Jan-14
4.39	Bench Saw - 16"	Wk	110.00	GBP	15-Jan-14
4.40	Dust Supression Kit	Wk	20.00	GBP	15-Jan-14
	Pumps (all include 10m suction hose, 20m delivery hose & drip trays)				
4.41	2" centrifugal	Wk	80.00	GBP	15-Jan-14
4.42	2" Submersible	Wk	80.00	GBP	15-Jan-14
4.43	3" centrifugal	Wk	150.00	GBP	15-Jan-14
4.44	3" Submersible	Wk	150.00	GBP	15-Jan-14
4.45	4" centrifugal	Wk	220.00	GBP	15-Jan-14
4.46	4" Silenced	Wk	270.00	GBP	15-Jan-14
4.47	6" centrifugal	Wk	320.00	GBP	15-Jan-14
4.48	6" Silenced	Wk	370.00	GBP	15-Jan-14
	General				
4.49	Forklift 4wd (JCB Loadall or equivalent)	Wk	300.00	GBP	15-Jan-14
4.50	Bucket	Wk	30.00	GBP	15-Jan-14
4.51	Forklift 2t/4m	Wk	300.00	GBP	15-Jan-14
4.52	Road Plates	Wk	20.00	GBP	15-Jan-14
4.53	Road Plates - Anti Skid	Wk	30.00	GBP	15-Jan-14
4.54	Water Bowser - 250g	Wk	30.00	GBP	15-Jan-14
4.55	Fuel Bowser - 250g	Wk	30.00	GBP	15-Jan-14
4.56	Fuel Bowser - 500g	Wk	50.00	GBP	15-Jan-14
4.57	HAVS Monitoring Equipment - Base	Wk			15-Jan-14
4.58	HAVS Monitoring Equipment - Kit each	Wk	125.00	GBP	15-Jan-14
4.59	Lighting Tower - VT1	Wk	250.00	GBP	15-Jan-14
4.60	Skip 14yd enclosed	uplift	210.00	GBP	15-Jan-14
4.61	Skip 12yd	uplift	250.00	GBP	15-Jan-14
4.62	Skip 16yd	uplift	180.00	GBP	15-Jan-14
4.63	Skip 8yd	uplift	150.00	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
 ON STREET WORKS : SECTION 1D
 SCHEDULE PART 45: APPENDIX C :

PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
 AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Survey Equipment				
4.64	Laser	Wk	50.00	GBP	15-Jan-14
4.65	Total Station	Wk	90.00	GBP	15-Jan-14
4.66	Prima Station	Wk	10.00	GBP	15-Jan-14
4.67	level	Wk	10.00	GBP	15-Jan-14
4.68	CAT & Signal Generator	Wk	60.00	GBP	15-Jan-14
4.69	Pipe Laser	Wk	40.00	GBP	15-Jan-14
4.70	Rotating Laser	Wk	40.00	GBP	15-Jan-14
4.71	Road Sweeper	hr	40.00	GBP	15-Jan-14
4.72	Gas Monitor & Kit	Wk	125.00	GBP	15-Jan-14
4.73	Two Way Radios - per handset	Wk	40.00	GBP	15-Jan-14
	Miscellaneous Items				
4.74	Heras Fencing - Anti Climb	Wk	0.50	GBP	15-Jan-14
4.75	Rhino Barrier or similar (incl mesh barrier)	Wk	5.00	GBP	15-Jan-14
4.76	Cover Meter	Wk	45.00	GBP	15-Jan-14
4.77	Kerb Lifter/Slab Lifter manual	Wk	35.00	GBP	15-Jan-14
4.78	Kerb Lifter/Slab Lifter suction	Wk	45.00	GBP	15-Jan-14
4.79	Kerb Lifter Mechanical	Wk	40.00	GBP	15-Jan-14
4.80	Stand Pipe	Wk	10.50	GBP	15-Jan-14
4.81	Crusher	hr	100.00	GBP	15-Jan-14
4.82	Crew Bus	Wk	170.00	GBP	15-Jan-14
4.83	Transit Van	Wk	120.00	GBP	15-Jan-14
4.84	Squad Van CSL	Wk	200.00	GBP	15-Jan-14
4.85	Road Sweeper (Min Charge 2hr M-F)	hr	30.00	GBP	15-Jan-14
4.86	Road Sweeper (Min Charge 4hr Sat)	hr	35.00	GBP	15-Jan-14
4.87	Road Sweeper (Min Charge 8hr Sun)	hr	40.00	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
ON STREET WORKS : SECTION 1D

SCHEDULE PART 45: APPENDIX C : PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
	Materials				
5.01	ST1	m3	75.00	GBP	15-Jan-14
5.02	ST2	m3	77.00	GBP	15-Jan-14
5.03	ST4	m3	87.00	GBP	15-Jan-14
5.04	8-1 No Fines	m3	87.00	GBP	15-Jan-14
5.05	C16/20	m3	77.00	GBP	15-Jan-14
5.06	C28/35	m3	87.00	GBP	15-Jan-14
5.07	C32/40 OLE	m3	95.00	GBP	15-Jan-14
5.08	C32/40 Lower Track	m3	95.00	GBP	15-Jan-14
5.09	C40 /50 Upper Track	m3	110.00	GBP	15-Jan-14
5.10	C40/50 Black Concrete	m3			15-Jan-14
5.11	Part Load	m3	45.00	GBP	15-Jan-14
5.12	Waiting	hr	85.00	GBP	15-Jan-14
5.13	Class 1 Bedding Mortar	m3	80.00	GBP	15-Jan-14
5.14	4:1 sand/cement mortar	m3	80.00	GBP	15-Jan-14
5.15	Coloured Mortar	m3	170.00	GBP	15-Jan-14
5.16	Reinforcing Bars (cut and bent)	t	615.00	GBP	15-Jan-14
5.17	A393	m2	3.94	GBP	15-Jan-14
5.18	A252	m2	2.63	GBP	15-Jan-14
5.19	B1131	m2	7.09	GBP	15-Jan-14
5.20	B503	m2	3.85	GBP	15-Jan-14
5.21	B785	m2	5.29	GBP	15-Jan-14
5.22	Type 1	t	9.25	GBP	15-Jan-14
5.23	6N	t	9.25	GBP	15-Jan-14
5.24	10mm Gravel (quarried)	t	13.00	GBP	15-Jan-14
5.25	10mm Gravel (recycled) subject to availability and comp	t	13.00	GBP	15-Jan-14
5.26	20mm Gravel (quarried)	t	13.00	GBP	15-Jan-14
5.27	20mm Gravel (recycled) subject to availability and comp	t	13.00	GBP	15-Jan-14
5.28	40mm Gravel	t	13.00	GBP	15-Jan-14
5.29	75mm clean stone	t	15.00	GBP	15-Jan-14
5.30	Concrete Sand	t	14.00	GBP	15-Jan-14
5.31	Concrete Sand - 1t bagged	t	14.00	GBP	15-Jan-14
5.32	Building Sand	t	15.00	GBP	15-Jan-14
5.33	Building Sand - 1t bagged	bag	20.00	GBP	15-Jan-14
5.34	Whin Dust - blinding	t	15.00	GBP	15-Jan-14
5.35	Whin Dust - 1t bagged	bag	20.00	GBP	15-Jan-14
5.36	OP Cement 25kg Bags	bag	10.00	GBP	15-Jan-14
5.37	150mm dia plastic drainage pipe (Polypipe 1W)	m	4.50	GBP	15-Jan-14
5.38	150mm dia drainage bends 15,30 & 45 deg (Ridgidrain)	Nr	11.00	GBP	15-Jan-14
5.39	150mm x 150mm dia drainage branches (Ridgidrain)	Nr	15.00	GBP	15-Jan-14
5.40	150mm Dia Coupler (Ridgidrain)	Nr	4.00	GBP	15-Jan-14
5.41	150mm Dia Sealing Rings	Nr	1.00	GBP	15-Jan-14
5.42	94mm ID duct	m	2.38	GBP	15-Jan-14
5.43	Coupler 94mm	Nr	2.00	GBP	15-Jan-14
5.44	Seals 94mm	Nr	1.00	GBP	15-Jan-14
5.45	100mm ID duct	m	2.38	GBP	15-Jan-14
5.46	Couplings 100mm	Nr	2.00	GBP	15-Jan-14
5.47	Seals 100mm	Nr	1.00	GBP	15-Jan-14
5.48	150mm ID duct	m	4.44	GBP	15-Jan-14
5.49	Couplings 150mm	Nr	2.00	GBP	15-Jan-14
5.50	Seals 150mm	Nr	1.00	GBP	15-Jan-14
5.51	300mm ID duct	m	11.20	GBP	15-Jan-14
5.52	Couplings 300mm	Nr	5.00	GBP	15-Jan-14
5.53	Seals 300mm	Nr	2.00	GBP	15-Jan-14
5.54	100mm dia purple duct (40m coil) (Polypipe)	m	1.20	GBP	15-Jan-14
5.55	94/110mm dia orange duct (50m coil) (Ridgicoil)	m	1.20	GBP	15-Jan-14
5.56	94/110mm dia orange duct (6m rigid) (Ridgiduct)	m	1.60	GBP	15-Jan-14
5.57	Duct collars	Nr	2.00	GBP	15-Jan-14
5.58	Gully Pot 450x900x150 (Polypipe)	Nr	30.00	GBP	15-Jan-14
5.59	Yard Gully Adaptor (Polypipe)	Nr	5.00	GBP	15-Jan-14
5.60	Gully Grating and Frame (430x370x100) D400	Nr	100.00	GBP	15-Jan-14
5.61	1050mm dia manhole rings - 500mm high	Nr	150.00	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
 ON STREET WORKS : SECTION 1D

SCHEDULE PART 4S: APPENDIX C : PART 3.2 RATES FOR CIVIL ENGINEERING SUBCONTRACT RESOURCES
 AFTER THE ON STREET WORKS TRIGGER DATE

Item no	Description	Unit	Lagan Rate	Currency	Fixed to
5.62	1050mm dia manhole rings - 750mm high	Nr	225.00	GBP	15-Jan-14
5.63	Manhole Cover Slab 1050mm dia 675sq opening	Nr	100.00	GBP	15-Jan-14
5.64	Manhole Seating Slab Lothian 675 sq opening	Nr	100.00	GBP	15-Jan-14
5.65	1200mm dia manhole rings - 500mm high	Nr	180.00	GBP	15-Jan-14
5.66	1200mm dia manhole rings - 750mm high	Nr	240.00	GBP	15-Jan-14
5.67	Manhole Cover Slab 1200mm dia 675sq opening	Nr	120.00	GBP	15-Jan-14
5.68	Manhole Cover and Frame (675x675x100) D400	Nr	200.00	GBP	15-Jan-14
5.69	Manhole Cover and Frame (675x675x150) D400	Nr	250.00	GBP	15-Jan-14
5.70	T14S 900 x 900 Chamber Cover and Frame (norinco)	Nr	450.00	GBP	15-Jan-14
5.71	T14S 900 x 1800 Chamber Cover and Frame (norinco)	Nr	1,200.00	GBP	15-Jan-14
5.72	T14S Lifting and Locking Key (norinco)	Nr	20.00	GBP	15-Jan-14
5.73	900 x 600 PCC slabs grey 50mm	Nr	6.00	GBP	15-Jan-14
5.74	900 x 600 PCC slabs grey 63mm	Nr	11.00	GBP	15-Jan-14
5.75	450 x 450 Perfecta Slabs Buff 70mm	Nr	8.00	GBP	15-Jan-14
5.76	600 x 450 Perfecta Slabs Natural 50mm Sq Ed	Nr	11.00	GBP	15-Jan-14
5.77	600 x 450 Perfecta Slabs Buff Sq/Ch 50mm	Nr	11.00	GBP	15-Jan-14
5.78	Caithness flagstones 80mm thick	m2	80.00	GBP	15-Jan-14
5.79	225x125 PCC HB Kerbs	m	5.00	GBP	15-Jan-14
5.80	225x125 PCC BN Kerbs	m	5.00	GBP	15-Jan-14
5.81	150x125 PCC BN Kerbs	m	5.00	GBP	15-Jan-14
5.82	Transition Kerbs PCC 125x255/150 HB/BN L or R	m	6.00	GBP	15-Jan-14
5.83	Whin Setts/Cobble Stones to Road Recycled	m2	65.00	GBP	15-Jan-14
5.84	Whin Setts/Cobble Stones to Track Recycled	m2	95.00	GBP	15-Jan-14
5.85	Natural Kerbs	m	27.00	GBP	15-Jan-14
5.86	NaturalKerbs Whin/Granite CEC Stock	m	35.00	GBP	15-Jan-14
5.87	18mm Plywood	m2	7.00	GBP	15-Jan-14
5.88	25mm Plywood	m2	10.00	GBP	15-Jan-14
5.89	50 x 50 Timber	m	1.00	GBP	15-Jan-14
5.90	100 x 50 Timber	m	2.00	GBP	15-Jan-14
5.91	150 x 150 Timber	m	5.00	GBP	15-Jan-14
5.92	150 x 50 Timber	m	2.00	GBP	15-Jan-14
5.93	18" dia Diamond Blade	Nr	300.00	GBP	15-Jan-14
5.94	9" dia Diamond Blade	Nr	50.00	GBP	15-Jan-14
5.95	Stihl Saw Diamond Blade	Nr	90.00	GBP	15-Jan-14

EDINBURGH TRAM NETWORK
Schedule Part 45
Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 4 : Basis of Calculation for Schedule of Rates in Part 3

A. Named and Dedicated Staff – Standard Rates

*BBS Consortium
Bilfinger Berger - Siemens*

Staff

Staff Rates include for :-

- a) Salary
- b) Bonus and incentives allowance.
- c) Absence due to illness/income Protection
- d) Absence due to holidays
- e) Meeting the requirements of the law
- f) Travel ordinarily incurred in carrying out his / her duties in connection with ETN.
- g) Subsistence /Accommodation where applicable
- h) Medical Examinations
- i) Passport and Visas
- j) Travel Insurance
- k) items g-k) for dependants
- l) Pension and Life Assurance
- m) Death benefit
- n) Occupational accident benefit
- o) Medical aid including private healthcare schemes
- p) Vehicle provision/allowance including fuel/fuel allowances
- q) Redundancy
- r) Training including allowance for cost of training.
- s) Mobile Phones including calls and IT equipment and supplies where applicable
- t) Expenses if ordinarily incurred in carrying out his/her duties in connection with ETN.
- u) PPE

Staff Rates are fixed up until the date shown on Appendix C Part 3.

Staff Rates exclude for Overtime, which is recoverable in addition.

Staff Rates exclude any uplifts as detailed in Appendix C Part 6.

EDINBURGH TRAM NETWORK

Schedule Part 45

Appendix C : On Street Works Prices, Rates and Prolongation Costs

BBS Consortium
Bilfinger Berger - Siemens

Part 4 : Basis of Calculation for Schedule of Rates in Part 3 (contd)

B. Labour Rates

In the case of full time labour the rates are multiplied by their working hours.

In the case of part time labour the rates are multiplied by the hours dedicated to the On Street Works.

Labour Rates include for:-

- a) Wage including shift allowances
- b) Bonus and incentives
- c) Absence due to illness/income Protection
- d) Absence due to holidays
- e) Meeting the requirements of the law
- f) Travel ordinarily incurred in carrying out his / her duties in connection with ETN
- g) Subsistence /Accommodation where applicable
- h) Medical Examinations
- i) Pension and Life Assurance
- j) Death benefit
- k) Occupational accident benefit
- l) Medical aid including private healthcare schemes
- m) Redundancy
- n) Training including allowance for cost of training.
- o) Expenses if ordinarily incurred in carrying out his/her duties in connection with ETN.
- p) PPE
- q) CITB Contribution

Standard/Nightshift and NPO rates apply as defined in Appendix C Part 3.

Labour Rates are fixed up until the date shown on Appendix C Part 3.

Labour Rates exclude any uplifts as detailed in Appendix C Part 6.

EDINBURGH TRAM NETWORK

Schedule Part 45

Appendix C : On Street Works Prices, Rates and Prolongation Costs

*BBS Consortium
Bilfinger Berger - Siemens*

Part 4 : Basis of Calculation for Schedule of Rates in Part 3 (contd)

C. Plant Rates

In the case of fully dedicated plant the rates are multiplied by their hours on site.

In the case of non dedicated plant the rates are multiplied by the hours dedicated to the On Street Works.

- i) Manned plant at the agreed rate multiplied by the time for which the plant is on site. On hire and off hire charges, consumables, plant operative and any costs associated with breakdown and/or cost of repair or replacement are included within the rate. Fuel shall be recoverable in addition.
- ii) Hired or owned plant at the agreed rate multiplied by the time for which the plant is on site. On hire and off hire charges, consumables and any costs associated with breakdown and/or cost of repair or replacement are included within the rate. Fuel shall be recoverable in addition.
- iii) Rates for Labour exclude vans and/or crew buses and these require to be reimbursed under Subcontract Plant. On hire and off hire charges, consumables and any costs associated with breakdown and/or cost of repair or replacement are included within the rate. Fuel shall be recoverable in addition.
- iv) In the event that plant is required for a shorter period than 8 hours, the plant cost shall be the minimum hire period of 8 hours.

Extra Over charges shall apply for Operator Overtime as defined in Appendix C Part 3.

Plant Rates are fixed up until the date shown in Appendix C Part 3.

Plant Rates exclude any uplifts as detailed in Appendix C Part 6.

EDINBURGH TRAM NETWORK

Schedule Part 45

Appendix C : On Street Works Prices, Rates and Prolongation Costs

BBS Consortium
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Part 4 : Basis of Calculation for Schedule of Rates in Part 3 (contd)

D. Materials

Material costs are recoverable as the quantity delivered at the rates to be entered in Appendix C Part 3, which include standard delivery charges.

- i) Quantity of materials shall be substantiated by signed delivery tickets detailing location where material to be used where possible.
- ii) In the circumstance of lost or destroyed delivery tickets, material quantity shall be highlighted as such and otherwise demonstrated as material delivered to site for the On Street Works.
- iii) In the event of additional charges due to special circumstances (e.g. out of hours delivery) these charges shall be recoverable in addition and substantiated by Invoice.
- iv) Fuel is recovered based on the invoiced cost subject to substantiation by signed delivery ticket.

Materials Rates are fixed up until the date stated in Appendix C Part 3.

Materials Rates exclude any uplifts as detailed in Appendix C Part 6.

E. Sub-Subcontractors

- i) Sub-Subcontractor costs are recoverable based on the invoiced cost subject to the normal verification process that any work done on site has been verified as being complete.
- ii) This clause does not apply to labour only sub-subcontractors.

Subcontractor invoices should exclude any uplifts as detailed in Appendix C Part 6.

EDINBURGH TRAM NETWORK
Schedule Part 45
Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 4 : Basis of Calculation for Schedule of Rates in Part 3 (contd)

BBS Consortium
Bilfinger Berger - Siemens

F. Indexation

Part 1 Rates

Rates contained within Part 1 of Appendix C are fixed for the duration of the construction works relevant to the particular subcontractor with the exception of surfacing rates.

Surfacing rates shall be adjusted in accordance with BCIS Price Adjustment formulae. The Base date for surfacing is Sept 2011.

Part 3 Rates

From 15 January 2014 annually thereafter, each of the rates and prices set out in Part 3 of this Appendix C shall be adjusted as follows

Staff and Labour

The rates will be adjusted by the percentage increase under the provisions of the CJIC Working Rule Agreement. This percentage increase will also apply to the labour element of any operated plant.

Plant

Plant rates are fixed for the duration of the construction works with the exception of the labour element of any operated plant as noted above relevant to the particular subcontractor.

Materials

The rates shall be adjusted annually based on the BCIS Index plus 1% with the base being January 2013.

EDINBURGH TRAM NETWORK

Schedule Part 45

Appendix C : On Street Works Rates, Prices, Preliminaries and Prolongation Costs

Part 5.1 : Procedure for Recording Civil Resources

The Infraco and sub-contractors shall work together to improve the effectiveness and accuracy of the procedures defined below for recording actual resources, comparisons with planned progress and performance.

Specific measures and actions shall be taken to avoid inefficient working and reduce waste to a minimum.

Reporting, issue resolution and escalation shall be properly managed through the project meeting structures and forums.

1. Programme and Progress of the Works

- 1.1 The Subcontractor shall produce and issue on a weekly basis a fortnightly look-ahead-programme of the works to be progressed..
- 1.2 The fortnightly look-ahead-programme shall thereafter be monitored against actual progress achieved. NOTE: Any additional works or issues affecting progress should be incorporated.
- 1.3 The fortnightly look ahead programme shall be labour and plant resourced.

The programme referred to in Clause 1.1 should be resourced with labour and plant and identify expected production outputs.

2. Produce Daily Labour Record Sheet

- 2.1 **BBUK** shall maintain a site register based on a secure clock system of all labour and the hours worked.
- 2.2 All chargeable labour (including subcontractors and sub-subcontractors and the like) must clock in and out using the register where they are working within the site. In the case where on site labour leaves site to collect materials, small tools and / or consumables this will be recorded on allocation sheets separately
- 2.3 All chargeable labour (including subcontractors and sub-subcontractors and the like) must sign in and out using a separate register where they are working outwith the site. In the case of contractor (including subcontractors and sub-subcontractors and the like), owned wagons delivering materials for the On Street Works a time sheet will be appended to the delivery ticket, which will form the delivery charge for the material.
- 2.4 The registers shall record the name of the operative, the operative's company, the date and the time the operative signed into the site and out of the site or remote offices.
- 2.5 Daily registers showing total site hours for labour shall be submitted by 11am the next day for signature and agreement.

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Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 5.1: Procedure for Recording Civil Resources (Contd)

- 2.6 The registers shall form the basis for the completion of allocation sheets in the case of labour. These allocation sheets shall identify the labour and the hours on site and the activities carried out by each operative.
- 2.7 Daily allocation sheets shall be submitted by 08:00 the next plus one day for signature and agreement e.g. if day of record is Day 1 by 08:00 start of Day 3.
- 2.8 **BBUK's / tie's** Project Managers or delegated person shall agree or otherwise and sign-off the submitted daily registers and allocation sheets by close of business following the day of submission. If **BBUK's / tie's** Project Manager does not agree with any of the daily submissions then the procedure set out in 2.9 below shall be implemented.
- 2.9 Should the parties, at site level, not be able to agree the daily allocation sheets and/or daily site diaries, the sheets shall be reviewed and agreed by the Construction Managers. Failure to agree at Construction Manager level, the matter shall be referred to respective Project Directors or delegated person. If the Project Directors fail to agree, parties shall follow the Dispute Resolution Procedures.
- 2.10 Agreed daily registers and allocation sheets shall be collated on a weekly basis. Weeks shall run Monday to Sunday.
- 2.11 The registers referred to in 2.10 will be priced and submitted on a 4 weekly basis using the rates in Appendix C Part 2 and included within the Application for Payment.

3. Produce Daily Staff Record Sheet

- 3.1 The Infraco shall maintain a site register based on a secure clock system of all chargeable staff on/off site and the hours worked.
- 3.2 All chargeable staff (including subcontractors and sub-subcontractors staff) must clock in and out using the register where they are located. In the case where on site staff leave site to visit another office or the like this will be recorded within staff diary sheets separately.
- 3.3 The registers shall record the name of the staff member, the name of their employer, the date and the time that person signed into the site and out of the site or remote offices.
- 3.4 Daily registers showing total site hours for staff shall be submitted to tie by 11am the next day for signature and agreement.
- 3.5 In the case of staff working off site daily diaries should be kept. These diaries shall identify the activities carried out by them whilst off site.
- 3.6 Daily Staff Diaries shall be submitted to tie by 08:00 the next plus one day e.g. if day of record is Day 1 by 08:00 start of Day 3.

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Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 5.1 : Procedure for Recording Civil Resources (Contd)

- 3.7 **BBUK's / tie's** Project Manager or delegated person shall agree or otherwise and sign-off the submitted registers and daily staff diaries by close of business following the day of submission. If **BBUK's / tie's** Project Manager does not agree with any of the daily submissions then the procedure set out in 3.8 below shall be implemented.
- 3.8 Should the parties, at site level, not be able to agree the daily registers and staff diaries, the sheets shall be reviewed and agreed by the Construction Managers. Failure to agree at Construction Manager level, the matter shall be referred to respective Project Directors or delegated person. If the Project Directors fail to agree, parties shall follow the Dispute Resolution Procedures .
- 3.9 Agreed daily registers and staff diaries shall be collated on a weekly basis. Weeks shall run Monday to Sunday.
- 3.10 The registers referred to in 3.9 will be priced and submitted on a 4 weekly basis using the rates in Appendix C Part 2 and included within the Application for Payment.

4. Materials

- 4.1 The Subcontractor shall maintain a weekly Material Received Summary sheet (MRS) weeks will run Monday to Sunday.
- 4.2 The MRS sheets shall record the supplier, the description and quantity of material supplied on a weekly basis.
- 4.3 The MRS shall be supported by supplier's delivery tickets.
- 4.4 A copy of the MRS sheets shall be provided on a weekly basis, by close of business on the Wednesday following the Sunday cut-off date.
- 4.5 The MRS sheet shall form the basis of recovery of costs.
- 4.6 Any material which does not have a rate in Appendix C Part 2 will require to be agreed. The Subcontractor shall submit a proposed rate in advance of any item being brought to site and **BBUK's / tie's** Project Manager shall accept the rate or otherwise. If **BBUK's / tie's** Project Manager does not accept the proposed rate then the rates should be reviewed and agreed by the Construction Managers.
- 4.7 The Subcontractor shall identify in the labour allocation sheets where the material was used / placed if this is not evident on the delivery ticket as being required for a specific location.
- 4.8 The MRS sheet referred to in 4.1 shall be priced and submitted on a 4 weekly basis using the rates in Appendix C Part 2 and included in the Application for Payment .

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Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 5.1 : Procedure for Recording Civil Resources (Contd)

4.9 In respect of the use of fuel the Subcontractor shall maintain a weekly Fuel Log running Monday to Sunday which will record all fuel dispensed from on site bowsers.

5. Plant

5.1 The Subcontractor shall maintain a weekly Hired Plant Summary sheet (HPS) weeks will run Monday to Sunday.

5.2 The HPS sheet shall record all plant on site, identify the hired plant company or contractor's owned plant.

5.3 The HPS sheet shall be supported with plant on and off hired tickets.

5.4 A copy of the HPS sheets shall be provided on a weekly basis, by close of business on the Wednesday following the Sunday cutoff date.

5.5 The HPS sheets shall form the basis of recovery of costs.

5.6 Any item of plant which does not have a rate in Appendix C Part 2 will require to be agreed. Infraco shall submit a proposed rate in advance of any item being brought to site and **BBUK's / tie's** Project Manager shall accept the rate or otherwise. If **BBUK's / tie's** Project Manager does not accept the proposed rate then the rates should be reviewed and agreed by the Construction Managers.

5.7 Infraco shall identify in the labour allocation sheets where the plant was used if it is not evident from the on hire ticket as being required for a specific location. Site wide plant (e.g. forklifts) will be detailed as such.

5.8 In the event that plant is required intermittently, best value shall be given taking into consideration the hire rate, the time the plant will be idle, the on hire/off hire charges and availability of the item of plan

5.9 The HPS sheet referred to in 5.1 shall be priced and submitted on a 4 weekly basis using the rates in Appendix C Part 3 and included in the Application for Payment.

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Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 5.1 : Procedure for Recording Civil Resources (Contd)

6 Subcontractor / Sub-SubContractors

6.1 In advance of and suitably ahead of the agreed programme, including such necessary time for approval, any works or section of works which are to be paid on a resource basis commence and for which it is required to engage a sub-subcontractor, The Subcontractor shall submit sufficient information to demonstrate the competitive nature of the process which took place to engage any sub-subcontractor.

6.2 **BBUK/tie** must approve the engagement of such sub-subcontractor prior to the works commencing, such approval may not be unreasonably withheld.

In the event that **BBUK/tie** do not approve or the time taken for approval affects the completion of the works **BBUK/tie** will be liable for any direct and indirect additional costs and/or delays suffered by the subcontractor or the Infraco.

This clause does not apply to labour only sub-subcontractors.

7 Waiver

In the event that a departure from these procedures is required then the subcontractor must request a waiver, in advance, giving details of the events which require a waiver to be issued.

BBUK/tie must approve the waiver, such approval shall not be unreasonably withheld.

Failure to request such a waiver will prevent the Infraco or his subcontractor from recovering any additional cost resulting from such a waiver.

EDINBURGH TRAM NETWORK

Schedule Part 45

Appendix C : On Street Works Prices, Rates and Prolongation Costs

Part 5.2 : System and Trackwork Disruption Methodology

The 'period of disruption and/or standing time during the relevant Reporting Period' is derived by calculating the extended durations of each activity undertaken or additional period of standing time during the Reporting Period.

The rates and prices in Appendix C in respect of labour and plant represent agreed liquidated rates and prices for disruption (including standstill time). The labour and plant resources engaged upon these activities and/or standstill time will be identified and the agreed rates and/or prices applied to these resources. Where no such rates or prices are included in Appendix C, and the parties are unable to agree appropriate rates and prices, then Infracore shall be entitled to reimbursement on the basis of actual cost of labour and resource applied.

Item	Section of Works	Description of Works	Contractor	DELAY INFORMATION			Weekly Rate	Total
				To Start (Wks)	To Finish (Wks)	Overall		
BILFINGER BERGER CIVIL UK LIMITED								
1	Edinburgh Park Office ¹	BB - Site Prelims for Prolongation before and after the On Street Works Trigger Date	Bilfinger Berger	-	-	-	-	
2	Edinburgh Park Office ²	BB - Site Prelims after the On Street Works Trigger Date	Bilfinger Berger	-	-	117,586.00	-	
3	Torphichen St Office	BB - Site Prelims cost	Bilfinger Berger	-	-	5,219.00	-	
4	1C	Broughton St - Waverley Bridge	Bilfinger Berger	-	-	16,428.00	-	
5	1D	Lothian Road Jct - Haymarket	Bilfinger Berger	-	-	14,567.00	-	
SUBCONTRACTORS								
6	1C	Broughton St - Waverley Bridge	Crummock (Scotland) Ltd	-	-	14,038.00	-	
7	1C/1D	Princes Street Outstanding Works	To Be Confirmed	-	-	11,000.00	-	
8	1DSP	Lothian Road Jct - West Maitland St	Lagan Construction Ltd	-	-	18,593.61	-	
9	1DH	West Maitland St - Haymarket	Lagan Construction Ltd	-	-	18,510.75	-	
10	On Street	Traffic Management etc	Class One/McPhie	-	-	24,459.00	-	
11	On Street	Logistical Support	DR Security	-	-	8,883.00	-	
Grand Total							-	

1 This is the rate per week for valuing prolongation as set out in paragraph 1.7 of Appendix A of Schedule Part 45

2 This is the rate per week for valuing preliminaries as set out in paragraph 1.5 of Appendix A of Schedule Part 45

**Edinburgh Tram Network
Schedule Part 45 : Appendix C : Part 6.2 Schedule of rates for Systems & Trackwork prolongation (site related overheads and other preliminaries)**

	per week (5 working days) costs	last activity in Progr. Rev 3a (28-Jun-11) Activity ID	End Date
STS UK Turnkey			
Overall Project Management	£64,072.21	335	20/05/2014
Track Work PM	£15,141.27	1C-17-TRCK-120	13/09/2013
Track Work Site Running Costs	£3,280.00	1C-17-TRCK-120	13/09/2013
Depot and Workshop Equipment	£5,519.57	6A-01-BLDS-81	18/10/2011
Infrastructure, Insurance, Bonds, Guarantees	£17,669.95	335	20/05/2014
Extendend defects liability	£18,025.92	335	20/05/2014
Subcontracts			
Rail Automation UK			
sub-system specific extended PM	£9,775.95	1D-15/16-TELC-60	17/11/2013
Electrification UK			
sub-system specific extended PM	£8,848.17	1C-17/18/19-OHLE-60	21/11/2013
Traffic Solutions UK			
sub-system specific extended PM	£5,760.85	1C-17K-JNCS-80	27/11/2013
Siemens AG (Germany)			
Rail Automation	£23,834.44	1D-14-SIGN-80	17/10/2013
Railway Electrification	£9,535.85	1C-17/18/19-OHLE-60	21/11/2013
Depot and Workshop Equipment PM	£5,519.57	6A-01-BLDS-81	18/10/2011
Overall Project Management	£11,618.25	335	20/05/2014
BAM			
	£71,112.00	1C-17-TRCK-120	13/09/2013

BBS Consortium
Blifinger Berger - Siemens

Note : From 1 October 2014 and annually thereafter, each of the rates and prices for Systems and Trackwork set out in this Appendix C Part 6.2 shall be substituted by the relevant rates and prices multiplied by the value of RPIX for the immediately preceding June that year, divided by the RPIX for January 2013

Edinburgh Tram Network
 Schedule Part 45 : Appendix C
 Part 6.3 Overhead and Profit Percentages

Item	Contractor / Subcontractor	Type	%age Uplift
1	Bilfinger Berger Civil UK Limited Head Office Overhead and Profit	Contractor	10%
2	Siemens PLC Head Office Overheads and Profit	Contractor	17%
3	Lagan Construction Limited	Subcontractor	28.5%
4	Crummock (Scotland) Limited	Subcontractor	21.5%

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 Bilfinger Berger - Siemens