

The Grange Service Station, 247 London Road, Rayleigh, Essex, SS6
9DR - Cost Estimate

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 100 : Preliminaries</u>				
	<u>Temporary Accomodation</u>				
105.01	Erection of offices and messes for the Contractor	1	item		
105.02	Servicing of offices and messes for the Contractor	1	item		
105.03	Dismantling of offices and messes for the contractor	1	item		
106.01	Erection of stores and workshops for the Contractor	1	item		
106.02	Servicing of stores and workshops for the Contractor	1	item		
106.03	Dismantling of stores and workshops for the Contractor	1	item		
	<u>Temporary Diversion for Traffic</u>				
115.01	Traffic safety and management	1	item		
	<u>Progress Photographs</u>				
124.01	Set of progress photographs in colour	1	item		
Carry Total for Series forward to General Summary				£	3,826.89

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 200 : Site Clearance</u>				
	<u>Site Clearance</u>				
201.01	General site clearance	0.04	ha	£ 6,460.59	£ 258.42
	<u>Take Up or Down and Set Aside for Re-use or Remove to Store or Tip off Site</u>				
209.01	Take up or down and remove to tip off site half batter or bullnose precast concrete kerbs	85.6	m	£ 5.48	£ 469.09
209.02	Take up or down and remove to tip off site precast concrete edgings	198	m	£ 4.23	£ 837.54
209.03	Take up or down and remove to tip off site precast concrete permanent bollard	3	no	£ 25.46	£ 76.38
209.04	Take up or down and remove to tip off site precast concrete fence post	14	no	£ 25.46	£ 356.44
209.05	Take up or down and remove to store off site tree	1	no	£ 750.00	£ 750.00
215.01	Take up or down and remove to store off site lighting column including bracket arm and lantern	1	no	£ 137.04	£ 137.04
215.02	Take up or down and remove to store off site traffic sign including posts	1	no	£ 55.12	£ 55.12
215.03	Take up or down and remove to store off site road name plate	1	no	£ 55.12	£ 55.12
Carry Total for Series forward to General Summary				£	2,995.15

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	Series 400 : Road Restraint System (Vehicle and Pedestrian)				
	Series not used				
Carry Total for Series forward to General Summary				£	-

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
540.01	<p><u>Series 500 : Drainage and Service Ducts</u></p> <p><u>Renewal, Raising or Lowering of Covers and Gratings on Existing Chambers and Gullies</u></p> <p>Raise/Lower the level of existing service cover and frame on brick chamber 150mm or less</p>	1	no.	£ 58.42	£ 58.42
Carry Total for Series forward to General Summary				£	58.42

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 600 : Earthworks</u>				
	<u>Excavation</u>				
601.01	Excavation of acceptable material Class 5A	19.3	m ³	£ 5.12	£ 98.56
604.01	Excavation of unacceptable material Class U1A in cutting and other excavation	74.875	m ³	£ 11.02	£ 825.12
	<u>Excavation in Hard Material</u>				
606.01	Extra over excavation for excavation in hard material in cutting and other excavations	74.875	m ³	£ 83.82	£ 6,276.02
	<u>Disposal of Material</u>				
610.01	Disposal of unacceptable material class U1A	74.875	m ³	£ 13.85	£ 1,037.02
610.02	Disposal of acceptable material class 5A	19.3	m ³	£ 4.52	£ 87.01
	<u>Imported Fill</u>				
612.01	Imported topsoil Class 5B 150mm thick to surfaces sloping 10° to the horizontal	49.5	m ³	£ 24.46	£ 1,210.77
	<u>Compaction of Fill</u>				
613.01	Compaction of acceptable material landscape areas	49.5	m ³	£ 3.07	£ 151.97
Carry Total for Series forward to General Summary				£	9,686.47

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 700 : Pavements</u>				
701.01	Vehicle Crossover comprising Type 1 unbound mixture sub-base 150mm thick, AC20 Dense Binder 100/150 100mm thick and AC6 Dense 100/150 surface course	45	m2	71.72	£ 3,227.40
Carry Total for Series forward to General Summary				£	3,227.40

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 1100 : Kerbs, Footways and Paved Areas</u>				
	<u>Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
1102.01	Precast concrete Kerb 255mm x 125mm laid straight or curved exceeding 12 metres radius including kerb haunch and foundation	56.6	m	25.58	£ 1,448.35
1102.02	Precast concrete Drop Kerb 255mm x 125mm laid straight or curved exceeding 12 metres radius including kerb haunch and foundation	17	m	38.18	£ 649.22
1102.03	Precast concrete edging 150mm x 50mm laid straight or curved exceeding 12 metres radius	200	m	13.39	£ 2,679.86
1102.04	Precast concrete edging 150mm x 50mm laid to curves not exceeding 12 metres radius	20	m	14.79	£ 295.99
1107.01	Sub-base: 150mm thick hardcore	171	m ²	6.02	£ 1,029.42
1107.02	Sub-base: 200mm thick hardcore	62	m ²	8.00	£ 496.00
1107.03	Sub-base: 150mm wet lean concrete base	3.2	m ²	20.37	£ 65.18
1107.04	Footway resurfacing comprising of AC10 Dense Binder 100/150 100mm thick and AC6 Dense 100/150 surface course 25mm thick	233	m ²	31.08	£ 7,241.64
1107.05	Precast concrete blister paving, 450 x 450 x 65mm thick	3.2	m ²	19.67	£ 62.94
1107.06	Geotextile Membrane	233	m ²	3.89	£ 906.37
Carry Total for Series forward to General Summary				£	14,874.98

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 1200 : Traffic Signs and Road Markings</u>				
	<u>Traffic Signs</u>				
1202.01	Take from store and re-erect 3.0m high road sign	1	nr	£ 157.66	£ 157.66
1202.02	Take from store and re-erect road name plate	1	nr	£ 185.62	£ 185.62
	<u>Remove from Store and Re-erect Traffic Signs</u>				
1205.01	Continous line in reflectorized white - 150mm wide	40	m	£ 1.54	£ 61.60
1205.02	Continous line in reflectorized yellow - 100mm wide	40	m	£ 1.22	£ 48.80
Carry Total for Series forward to General Summary				£	453.68

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
1305.01	<u>Series 1300</u> <u>Remove from Store and Re-erect Road Lighting Columns and Brackets, Wall Mountings, CCTV Masts and Cantilever Masts</u> Re-erection of steel road lighting column of 12 m nominal height	1	no	£ 249.57	£ 249.57
Carry Total for Series forward to General Summary				£	249.57

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 1400</u>				
	<u>Electrical Work for Road Lighting and Traffic Signs</u>				
1401.01	Locating buried road lighting and traffic signs cable in carriageways, footways, bridge decks and paved areas	2	m	£ 31.35	£ 62.70
	<u>Trench for Cable or Duct</u>				
1402.01	Trench for duct not exceeding 300mm depth wide not exceeding 1.5 metres	2	m	£ 26.83	£ 53.66
	<u>Cable Joints and Terminations</u>				
1409.01	Straight joint in 2 core PVC/SWA/PVC cable	2	no	£ 93.95	£ 187.90
1409.02	Termination of 2 core PVC/SWA/PVC cable in lit sign units and road lighting column	2	no	£ 27.85	£ 55.70
Carry Total for Series forward to General Summary				£	297.26

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 2700</u>				
	<u>Accommodation Works, Works for Statutory Undertakers, Provisional Sums and Prime Cost Items</u>				
	Series not used				
Carry Total for Series forward to General Summary				£	-

Item No.	Description	Quantity	Unit of Measure	Unit Rate £	Total £
	<u>Series 3000</u>				
	<u>Ground Preparation and Cultivation</u>				
3001.01	Final preparation of soils to surfaces sloping at 10° or less to the horizontal	1	100m ²	£ 18.04	£ 18.04
	<u>Seeding</u>				
3002.01	Grass seeding by conventional to surfaces sloping 10° or less to the horizontal	1	100m ²	£ 29.77	£ 29.77
Carry Total for Series forward to General Summary				£	47.81

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General Summary

Series	Description	Amount	
100	Preliminaries	£	3,826.89
200	Site Clearance	£	2,995.15
400	Safety Barriers (Vehicles and Pedestrian)	£	-
500	Drainage and Service Ducts	£	58.42
600	Earthworks	£	9,686.47
700	Pavements	£	3,227.40
1100	Kerbs, Footways and Paved Areas	£	14,874.98
1200	Traffic Signs, Signals and Road Markings	£	453.68
1300	Road Lighting Columns and Brackets and Cantilever Masts	£	249.57
1400	Electrical Work for Road Lighting and Traffic Signs	£	297.26
2600	Utility Diversions	£	-
3000	Landscape and ecology	£	47.81
		£	35,717.63

Traffic Management	18%	£	6,429.17
Contingency	20%	£	7,143.53

Total Construction cost with TM and 20% contingency	£	49,290.32
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Further to the above and given the early stage of the design, we would recommend the following OB allowance for unknowns at this stage.

OB (44%)	£	15,715.76
Total Project costs	£	65,006.08