

JOB NAME: Sandsend (1.2km)
JOB NUMBER:
CALCS BY: RAM
DATE: 13.10.11
FROM DRG: Based on Site Visit

COST ESTIMATES

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	£
100 PRELIMINARIES					
1.1	PRELIMINARIES (10%)	1	ITEM	£7,336,625.89	£7,336,625.89
1.2	TRAFFIC MANAGEMENT	1	ITEM	£100,000.00	£100,000.00
1.3	TEMPORARY ROUTES	1	ITEM	£50,000.00	£50,000.00
10% MINOR ITEMS					£15,000.00
					£7,501,625.89
200 SITE CLEARANCE					
2.1	GENERAL INC. VEGETATION	1	ITEM	£50,000.00	£50,000.00
2.2	TREE REMOVAL	1	ITEM	£25,000.00	£25,000.00
10% MINOR ITEMS					£7,500.00
					£82,500.00
400 GUARD RAILING, & STRUCTURES					
4.1	GUARD RAILING	0	M	£80.00	£0.00
4.2	CONCRETE BRIDGE	4428	SqM	£3,000.00	£13,284,000.00
4.3	HEADWALL	10	ITEM	£1,500.00	£15,000.00
4.4	TIMBER POST AND RAIL FENCE	2400	M	£25.00	£60,000.00
10% MINOR ITEMS					£1,335,900.00
					£14,694,900.00
500 DRAINAGE & DUCTS					
5.1	GULLY	52	No.	£250.00	£13,000.00
5.2	150mm O PIPES (shallow)	780	M	£70.00	£54,600.00
5.3	225/300mm O PIPES (shallow)	2200	M	£110.00	£242,000.00
5.4	MANHOLES	30	No.	£1,500.00	£45,000.00
5.5	ADJUST MANHOLE COVERS AND FRAMES	10	ITEM	£140.00	£1,400.00
10% MINOR ITEMS					£35,600.00
					£391,600.00
600 EARTHWORKS					
6.1	EXCAVATE TOPSOIL (0.2m thk)	26400	CuM	£2.92	£77,088.00
6.2	SOIL & SEED (150 thk) 1.0m STRIP.	14400	SqM	£5.94	£85,536.00
6.3	EXCAVATE U/S (or Suitable)	792668	CuM	£2.30	£1,823,136.40
6.4	EXCAVATE HARD	24265	CuM	£50.09	£1,215,433.85
6.5	DISPOSE U/S	816933	CuM	£59.00	£48,199,047.00
6.6	PLACE AND COMPACT SUITABLE	28800	CuM	£1.21	£34,848.00
6.7	IMPORT SUITABLE	0	CuM	£28.04	£0.00
6.8	IMPORT CAPPING AND COMPACT	5256	CuM	£32.35	£170,031.60
6.9	FORMATION AND SUB-FORMATION	107760	SqM	£0.84	£90,518.40
6.10	SOFT SPOTS - EXCAVATE	2352	CuM	£3.04	£7,150.08
6.11	SOFT SPOTS - FILL	2352	CuM	£21.24	£49,956.48
6.12	EXCAVATION OF NEW DITCHES	500	M	£15.00	£7,500.00
10% MINOR ITEMS					£5,176,024.58
					£56,936,270.39
700 PAVEMENT					
7.1	SUB-BASE (150mm)	1314	CuM	£32.03	£42,087.42
7.2	ROAD-BASE (240mm)	8760	SqM	£30.19	£264,464.40
7.3	SURFACING (40mm)	11760	SqM	£18.00	£211,680.00
7.4	PLANE AND REMOVE (40mm)	3000	SqM	£8.81	£26,430.00
7.5	TACK COAT	20520	SqM	£0.62	£12,722.40
7.6	REGULATING MATERIAL	200	t	£63.25	£12,650.00
7.7	SHELL GRIP	0	SqM	£16.00	£0.00
10% MINOR ITEMS					£57,003.42
					£627,037.64

NOTES
10% Assumed (this is normally estimated based on a percentage nad therefore could be reduced to say 5%) Assumed Assumed - Works associated with temporary routing of traffic Assumed contingency
Assumed - Detailed survey required Assumed - Detailed survey required Assumed contingency
Not Required Assumed 3 structures (200m length, 90m length, and 70m length) Rate based on recent costed scheme for similar structure span. This cost may reduce subject to the types of structures used. Assumed Assumed Assumed contingency
Assumed - based on 7.3m carriageway Assumed contingency
Assumed - Detailed survey required Assumed - Detailed survey required Assumed - Detailed survey required Assumed - Detailed survey required Assumed - Detailed survey required Dependant on the disposal rate, method and distance used. (this value could reduce by approximately £40million if material re-used nearby) Assumed - Detailed survey required Assumed contingency
Assumed - based on 7.3m wide carriageway Assumed - based on 7.3m wide carriageway Assumed - based on 7.3m wide carriageway Assumed Assumed - based on 7.3m wide carriageway Assumed - Detail design required Assumed - based on 7.3m wide carriageway Assumed contingency

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ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	£
1100	KERB AND FOOTWAYS				
11.1	KERBING	2500	M	£19.30	£48,250.00
11.2	KASSEL KERB	0	M	£90.00	£0.00
11.3	GRANITE SETTS	0	M	£50.00	£0.00
11.4	EDGING	2400	M	£14.00	£33,600.00
11.5	FOOTWAY CONSTRUCTION	6000	SqM	£44.89	£269,340.00
11.6	DETERANT PAVING	0	SqM	£90.00	£0.00
11.7	TACTILE PAVING	26	SqM	£76.29	£1,983.54
11.8	PLANE AND RESURFACE FOOTWAY	200	SqM	£18.00	£3,600.00
	10% MINOR ITEMS				£35,677.35
					£392,450.89

Assumed
Assumed
Assumed contingency

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	£
1200	SIGNS AND MARKINGS				
12.1	SIGNS	1	ITEM	£5,000.00	£5,000.00
12.2	MARKINGS	1	ITEM	£10,000.00	£10,000.00
	10% MINOR ITEMS				£1,500.00
					£16,500.00

Assumed
Assumed
Assumed contingency

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	£
1300	STREET LIGHTING & LANDSCAPING				
13.1	LIGHTING COLUMN (NEW)	0	No.	£800.00	£0.00
13.2	DRAWPITS	0	No.	£520.00	£0.00
13.3	CABLE	0	M	£10.00	£0.00
13.4	DUCT	0	M	£25.00	£0.00
13.5	LC DISCONNECTION	0	ITEM	£250.00	£0.00
13.6	LC & BOLLARD CONNECTION	0	ITEM	£250.00	£0.00
13.7	GENERAL LANDSCAPING (INC HEDGEROWS)	2000	M	£50.00	£100,000.00
	10% MINOR ITEMS				£10,000.00
					£110,000.00

Assumed
Assumed contingency

SUMMARY		
SERIES	DESCRIPTION	
100	Preliminaries inc Traffic Management	£7,501,625.89
200	Site Clearance	£82,500.00
400	Guard Railing, Barriers and structures	£14,694,900.00
500	Drainage	£391,600.00
600	Earthworks	£56,936,270.39
700	Pavement Construction	£627,037.64
1100	Kerb and Footways	£392,450.89
1200	Signs and Markings	£16,500.00
1300	Street Lighting and Landscaping	£110,000.00
TOTAL =		£80,752,884.82

CONTINGENCIES		
10% with site visit, 30% no photos/site visit	10%	£8,075,288.48
TOTAL		£88,828,173.30

Assumed contingency

ADDITIONS:		
A	Design and consultation cost at 5%	£4,441,408.67
B	Compensation cost at 10%	£9,326,958.20
C	Land Purchase	£34,800.00
D	200m new revetment	

This is based on 5% but you may wish to reduce this amount.
This is based on 10% but you may wish to reduce this amount.
No change
Not included

FINAL TOTAL	£102,681,666.16
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- NOTES:
- 1 If excavated material can be re-used elsewhere on another site an approximate reduction i £40,000,000.00
 - 2 Topo survey not available for earthworks volumes, and therefore volumes assumed
 - 3 Removal of existing road excluded, if required add: £907,846.98
 - 4 Statutory undertakers diversions excluded
 - 5 Street lighting not included.