

Appendix C

Cost Estimate

ARUP	Job No. 120788-63	Sheet No. 1/1	Rev.
	Member/Location		
Job Title	Drg. Ref.		
Stocksbridge Base Case	Made by IRW	Date May2010	Chd.

Description	Unit	Rates (£)				
		Basic		Qty	Uplift	Total
1.0 Site Clearance						
General Site Clearance	m²	1.00		10,000		10,000
2.0 Fencing						
Post and wire boundary fencing	m	25.00		200		5,000
High security fencing	m	50.00		200		10,000
3.0 Drainage and ductwork						
Drainage	m	65.00		200	30%	16,900
Ductwork	m	30.00		40	30%	1,560
Chambers	no	500.00		20	30%	13,000
4.0 Railway Earthworks						
Topsoil Strip	m³	25.00		600		15,000
Excavation (Bulk)	m³	10.00		200	25%	2,500
Disposal off site (non-contaminated)	m³	15.00		-		-
Disposal off site (contaminated)	m³	60.00		200		12,000
Imported fill	m³	25.00		200	25%	6,250
Topsoiling and finishing	m²	5.00		-	25%	-
Ground improvement (stone piling)	m²	50.00		-		-
5.0 Platform Construction						
Platform construction per linear metre (including lighting, furniture, PA system, CCTV and	m	2,500.00		120		300,000
Platform canopy (including lighting, furniture, PA system, CCTV and	m²	500.00		60		30,000
Platform buildings	m²	2,100.00		-		-
6.0 Permanent Way						
Track - CWR on concrete sleepers and ballast (non-possession)	m	500.00		-		-
Track - CWR on concrete sleepers and ballast (possession)	m	500.00		800	30%	520,000
Track in yards and sidings	m	400.00		-		-
Removal of existing track	m	50.00		800	10%	44,000
Removal of redundant turnout and plain line	No.	35,000.00		-		-
Turnout 20 mph	No.	50,000.00		-		-
Turnout 30 mph	No.	100,000.00		-		-
Turnout 40 mph	No.	150,000.00		-		-
Turnout 50 mph	No.	190,000.00		-		-
Turnout 75 mph	No.	280,000.00		-		-
Tamping shift	No.	20,000.00		10		200,000
7.0 Electrification						
OHLE Lines (non-possession)	m	230.00		-		-
OHLE Masts - single track cantilever	no	20,000.00		-		-
8.0 Structures						
Platform footbridge		500,000.00		-		-
9.0 Highway Works						
Access Roads	m²	125.00		750		93,750
Side road strengthening	sum			-		-
Car park construction	m²	60.00		3,000		180,000
Excavate	m³	15.00		-		-
Disposal	m³	15.00		-		-
Imported fill	m³	25.00		-		-
Topsoiling	m²	25.00		-		-
10.0 Signalling Works						
New signalling per seu	No.	127,000.00		-		-
Modify	No.	18,500.00		1		18,500
New Interlocking	No.			-		-
Demolish and reconstruct new relay room	No.			-		-
11.0 Communications						
Resite CSR and NRN base stations	No.			-		-
Resite Mercury TAN equipment	No.			-		-
12.0 Services						
Services Diversions	sum	200,000.00		1		200,000
13.0 Net Construction Costs						
						1,678,460

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	Unit	Basic			
14.0 Administration Costs					
Preliminaries & General Items					319,615
Design					151,298
Testing & Commissioning					64,848
Consultancy Charges					28,899
Training					555
Spares					11,502
Other					-
					576,717
15.0 Ancillary Items					
Environmental Mitigation		2%			33,569
Landscaping costs	sum	-			-
Abandonment of Roads and Railway routes	sum	-			-
Land and Property Acquisition Costs	sum	-			-
Archaeological investigation	sum	-			-
					33,569
16.0 Possessions					
Supplying protection staff & coordination					-
<30 hours possession	No.	2,500	10		25,000
>30 hours possession	No.	6,000	-		-
					25,000
17.0 Total Construction Costs					2,313,746
18.0 Network Rail Costs					
Network Rail Project Management		8%			185,100
Possession / Isolation Management		1%			23,137
RIMINI Costs		1%			23,137
TOC Compensation/Schedule 4 Charges					-
TWA Charges					-
Site Supervision		1%			23,137
					254,512
19.0 Risk Allowance (50th Percentile Range)					-
20.0 Total Cost including risk					2,568,259
21.0 HM Treasury "Green Book" optimism bias factor		66%			1,695,051
22.0 Escalation costs		2.7%			69,343
23.0 Estimated Total Cost					4,332,652