

EDINBURGH TRAM NETWORK

Monthly Project Report November 2010



Monthly Report Major Projects

Project: Edinburgh Tram Network

Reporting Period: November 2010

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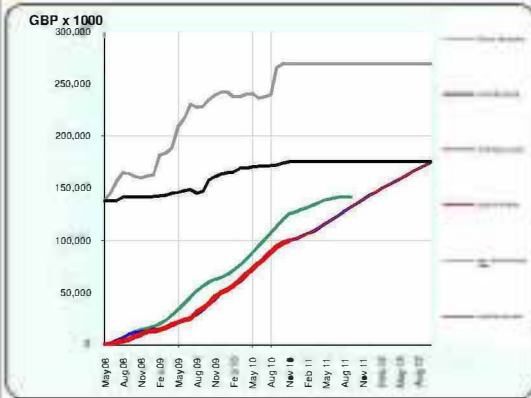
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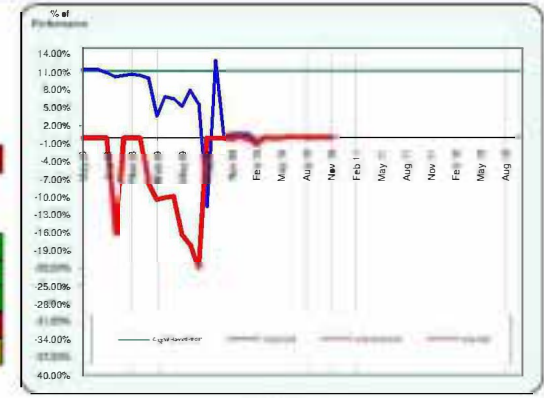
1.01 Project Overview Charts



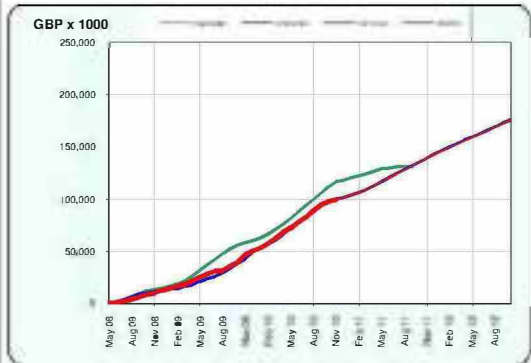
Performance

	Contract Plan (Rev.1)	Revised Plan (actual)	Forecast (Rev 3A)	Actual	Status Figures
Construction start date	15-May-08			15-May-08	
Construction end date	16-Jul-11	05-Jun-12	20-Nov-13		17.5 month red
Total contract value [GBPx1000]	141,509			175,405	
Claims / Variations approved				41,124	
Claims / Variations not approved				93,749	
Performance		100,594		100,016	99.4% green
Actual Cost to Date				100,016	100.0% green
Result	11.07%	-0.26%	-0.26%	0.00%	0.00% green
Payment Status		99,755		90,254	90.5% red
Av.Perf/mth: Rem. & act. 3mth			3,769	3,663	yellow

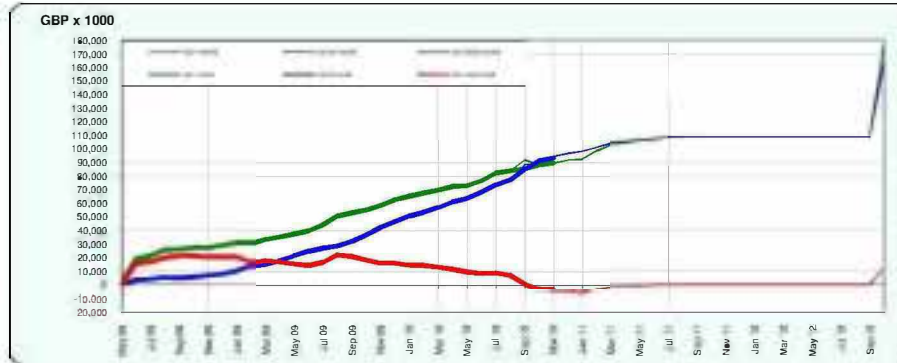
Project Key Figures



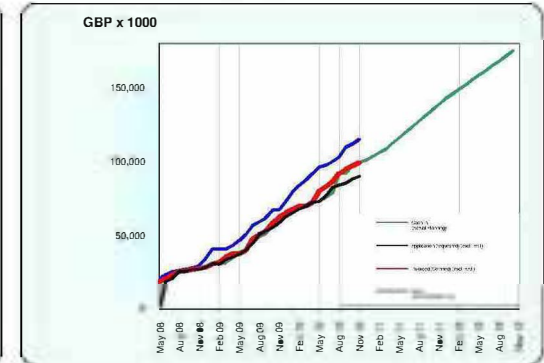
Project Result



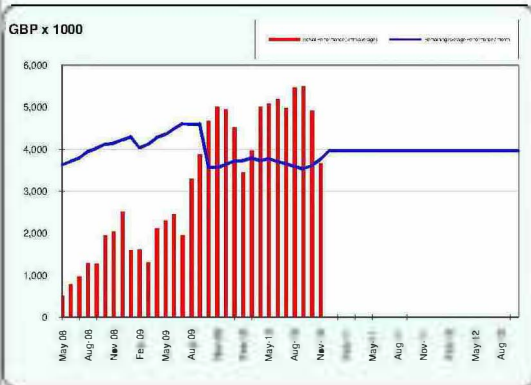
Project Cost



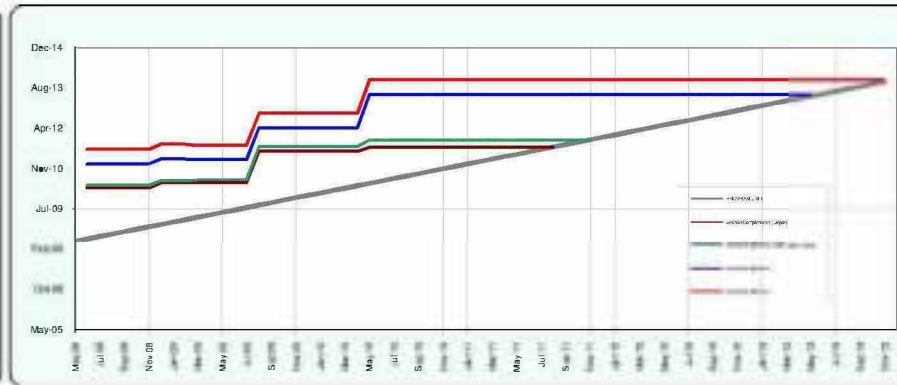
Cashflow



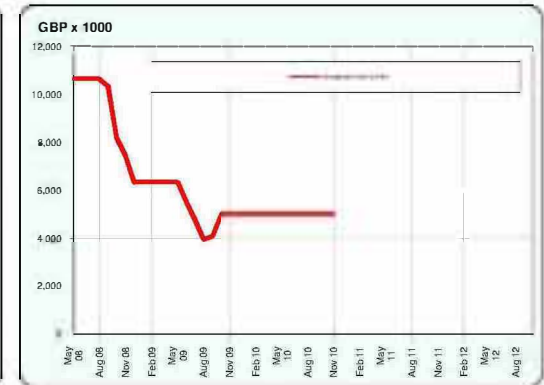
Payment Status



Remaining Performance / Resources



Milestone Trend Analysis (Forecast Rev 3A)



Contingencies vs Risks

1.02 Short note on Overview Charts

1.2.1	Performance												
<p>Due to the contractual stand off situation with tie, cessation of all unapproved works was established early October and was effecting works on approved changes. Progress of works was limited to execution of approved changes or 80.15 instruction not related to any unapproved change.</p> <p>Works at Lindsay Road, Tower Place Bridge, Depot Access Bridge, Depot Building and Drainage Section 7 were performed on this basis only.</p>													
1.2.2	Project Cost												
<p>The main cost overrun is due to cost and resource increases mainly caused by:</p> <ul style="list-style-type: none"> - subcontracts (standby claims, additional works) - extension of time (staff, financial, running site) - consultants and design works - insurances and bonds - cost for legal fees <p>Strict control measures on expenditures, employment etc. have been established as well as monthly cost control meetings with the relevant site management to increase awareness and effectiveness of cost control.</p>													
1.2.3	Project Result												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">The monthly cumulative results adds up to</td> <td style="width: 15%; text-align: right;">£116.00</td> <td style="width: 10%; text-align: center;">or</td> <td style="width: 15%; text-align: right;">0.00%</td> </tr> <tr> <td>The forecast/planned result shows</td> <td style="text-align: right;">-£460,551.00</td> <td style="text-align: center;">or</td> <td style="text-align: right;">-0.26%</td> </tr> </table> <p>caused by the fluent situation of the project, i.e. no agreement on more than 200 changes, time extension and fundamental contractual disagreements, i.e. Value Engineering, Provisional Sums. Under the current circumstances and expecting additional revenue as shown in the R&O Sheet the project will result in a weighted margin of</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 15%; text-align: right;">£14,375.41</td> <td style="width: 10%; text-align: center;">or</td> <td style="width: 15%; text-align: right;">7.07%</td> </tr> </table> <p>To secure a low risk profile the contractual team has been strengthened to facilitate a positive outcome on the legal disputes.</p>		The monthly cumulative results adds up to	£116.00	or	0.00%	The forecast/planned result shows	-£460,551.00	or	-0.26%		£14,375.41	or	7.07%
The monthly cumulative results adds up to	£116.00	or	0.00%										
The forecast/planned result shows	-£460,551.00	or	-0.26%										
	£14,375.41	or	7.07%										
1.2.4	Payment Status												
<p>The payments from the client tie remain in time based on the agreed invoice application before the invoice submission.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Invoiced net to the client:</td> <td style="width: 20%; text-align: right;">£99,563,457.90</td> <td style="width: 40%;"></td> </tr> <tr> <td>Paid net from the client:</td> <td style="text-align: right;"><u>£90,254,185.63</u></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;"><i>Variance</i> £9,309,272.27</td> <td></td> </tr> </table> <p>The variance above incl. an amount of £7,800,490.13 for not certified but invoiced prelims and an amount of £1,508,782.14 certified construction works to be paid in December.</p>		Invoiced net to the client:	£99,563,457.90		Paid net from the client:	<u>£90,254,185.63</u>			<i>Variance</i> £9,309,272.27				
Invoiced net to the client:	£99,563,457.90												
Paid net from the client:	<u>£90,254,185.63</u>												
	<i>Variance</i> £9,309,272.27												
1.2.5	Cashflow												
<p>The ETN project cash flow turned negative within October.</p> <p>Furthermore the achievement of milestones in timely manner (monthly cut off dates) needs to be clarified with the client to allow or enable an optimized cashflow forecast.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Cash in net:</td> <td style="width: 20%; text-align: right;">£90,963,010.63</td> <td style="width: 40%; text-align: right;">(incl. interest income)</td> </tr> <tr> <td>Cash out net:</td> <td style="text-align: right;">£93,865,646.98</td> <td></td> </tr> <tr> <td>Cash balance net:</td> <td style="text-align: right;">-£2,902,636.35</td> <td style="text-align: right;">(internal balance)</td> </tr> </table>		Cash in net:	£90,963,010.63	(incl. interest income)	Cash out net:	£93,865,646.98		Cash balance net:	-£2,902,636.35	(internal balance)			
Cash in net:	£90,963,010.63	(incl. interest income)											
Cash out net:	£93,865,646.98												
Cash balance net:	-£2,902,636.35	(internal balance)											
1.2.6	Contingencies												
<p>The value for in the tender estimated contingencies is stable about:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 20%; text-align: right;">£5,019,788.00</td> <td style="width: 20%; text-align: right;">(see attachment 3.01)</td> </tr> </table>			£5,019,788.00	(see attachment 3.01)									
	£5,019,788.00	(see attachment 3.01)											
1.2.7	Construction Programme												
<p>The revised Contract Programme shows the agreed 7 1/2 weeks extension of time for EOT1 (up to 06 September 2011) plus the in November 2009 by tie confirmed initial entitlement of 9 months relief on LD's for EOT2A (up to 05 June 2012), in total 11 months.</p> <p>Rev 3A programme was submitted to tie indicating an entitlement for prolongation up to 20 November 2013 (in total 28 months). This programme was rejected by tie.</p> <p>MUDFA 2 programme was submitted to tie indicating an entitlement for prolongation on the MUDFA element only, with a base data date of 31 July 2010, up to 10 December 2012 (in total 15 months)</p>													

1.03 General Information

1.3.1 Short note on progress, events this month

Mobilisation :

Design:

Production of civil and building drawings in accordance with the original design is 98.2% complete. In general earthworks, roads, track, structures and depot drawings are available. Drawings for substations and tramstops are being completed to support construction. Civil drawings, revised to incorporate Siemens design (trackform including vibration isolation, OLE foundations, substations) are largely complete. Drawings are being prioritised to support construction. Resolution of technical interfaces and production of an integrated design, together with necessary system assurance and production of the case for safety, are ongoing within the design management team. SDS is progressing the remaining design in accordance with the acceleration programme to achieve an completion of the design. The completion is further delayed due to missing close out of informatives and the constant unwillingness by the authorities (tie, CEC, BAA etc) to approve the submitted design.

Procurement :

No new procurement under current circumstances ongoing.

Construction :

Off-Street works have continued at Depot Access Bridge, Depot Building and Drainage Section 7. On-Street works were ongoing at Lindsay Road and Tower Place Bridge until stop.

1.3.2 Significant extraordinary events

Date	Description	Remarks
17/11/2010	IFC Drawing changes - Drainage Section 5B	tie 80.15 instruction received
17/11/2010	IFC Drawing changes - Drainage Section 5C	tie 80.15 instruction received
		Referral to Dispute by tie
		Referral to Dispute by tie

1.3.3 Recent important agreements with the Employer or instructions having significant consequences

Date	Description	Remarks
03/11/2010	IFC Drawing changes - Drainage Section 7	Change Order received
		DRP in favour BB

1.3.4 Status on Major Unapproved Claims / Variations / Changes

761 change items notified to date 97 by tie and 664 by Infraco).
 106 of these have been superseded by further changes or withdrawn.
 86 of these have a delay only impact and will not require an estimate.
 Therefore there are 569 changes requiring estimates.
 414 changes are submitted plus 17 for design only.
 Of this 182 changes were confirmed by tie plus 8 for design only. Further 5 small works changes were received.
 232 submitted changes plus 9 for design only are under review in tie.
 155 estimates are to be submitted whereof 17 are awaiting design information.
 8 estimates of that are proceeding currently through the internal consortium approval process.

1.04 Performance Sheet

1. General Information				2. Construction Period		Original Contract	Revised Contract	Variance						
Client:	tie LIMITED			Construction start date	15-May-08	15-May-08	0 days							
Leadership:	BILFINGER BERGER UK LIMITED			Construction end date	16-Jul-11	05-Jun-12	325 days							
	0	Share: 100%		Total excl. Site Removal	38 month	49 month	128 %							
Currency:	GBP	Rp.	(all amounts without V.A.T.)	Share: 0%	Expired construction time	30.5 month	30.5 month	63 %						
Rate of Exchange Top Sheet:	1 GBP =	1.25 EUR	Actual: 1.18 EUR	Performance to date	100,016,116 GBP		57 %							
2. Total Contract Value				Date of Contract	Total Previous Month	November 2010	Total Reporting Month							
Contract Value with Client (first evaluation)				141,508,815 (incl. SDS NovaAgree)										
Contract Value with Client (revised evaluation)				134,281,209 (incl. SDS NovaAgree)	100.00%	174,218,984	129.7%	1,185,966	175,404,950					
Contract Value with 3rd Parties (without interest)				0	0.0%	0	0.0%	0	0.0%					
						174,218,984	129.7%	1,185,966	175,404,950					
3 Approved Changes total					39,937,775	29.7%		1,185,966	41,123,741					
									30.6%					
3a. Provisional Sums				Total Previous Month	November 2010	Total Reporting Month								
SDS Novation Agreement Provisional Sums				2,844,423	2.1%	58,120	2,902,543	2.2%						
Defined Provisional Sums				181,489	0.1%	0	181,489	0.1%						
Undefined Provisional Sums				719,647	0.5%	0	719,647	0.5%						
3b. Claims and Variations				Total Previous Month	November 2010	Total Reporting Month								
Claims and Variations approved (= Total VOAs Approved - 3a. Provisional Sums)				36,192,216	27.0%	1,127,846	37,320,062	27.8%						
Claims and Variations submitted but not approved yet				76,562,129	57.0%	-139,783	76,422,348	56.9%						
Claims and Variations under preparation				18,644,814	13.9%	-1,317,955	17,326,859	12.9%						
4a. Performance				Total Previous Month	November 2010	Total Reporting Month								
Performance for Actual Contract Value with Client				97,994,030	56.25%	2,022,086	100,016,118	57.02%						
Performance for 3rd Parties (without interest)				0	0.00%	0	0	0.00%						
Total Performance to Date				97,994,030	56.25%	2,022,086	100,016,118	57.02%						
Remaining Performance to Date				76,224,954	43.75%		75,388,834	42.98%						
Actual Planned Performance (Planned Performance per report date - Performance Last Month)				97,994,030	56.25%	2,600,000	100,594,030	57.35%						
4b. Cost				Total Previous Month	November 2010	Total Reporting Month								
Actual Cost at Reporting Date				98,048,444	56.28%	1,967,556	100,016,000	57.02%						
5. Result				Date of Contract	Total Previous Month	November 2010	Total Reporting Month							
Planned Result for Contract with Client (first evaluation)				15,670,750	11.07%									
Planned Result for Contract with Client (revised evaluation)				8,443,144	6.29%	11,289,390	6.48%	94,391	11,383,781					
Actual Result at Reporting Date					-54,414	-0.06%	54,530	116	0.00%					
Forecast Result at the End of Contract					-454,012	-0.26%	-6,539	-460,551	-0.26%					
Weighted Result at the End of Contract (Likely Case)					14,288,004	7.07%	87,404	14,375,408	7.07%					
6. Invoices, Payment and Bank account				Total Previous Month	November 2010	Total Reporting Month								
Application to the client - excl. VAT				incl. Ret. Money	0	0.00%	112,223,345	64.42%	3,090,672	115,314,017				
Certified by the client (Invoice) - excl. VAT				incl. Ret. Money	0	0.00%	97,522,781	55.98%	2,040,677	99,563,458				
Cash in from the client - excl. VAT				excl. Ret. Money	0	0.00%	88,451,144	50.77%	1,803,041	90,254,186				
Cash in from 3rd Parties - excl. VAT					0	0.00%	0	0	0	0.00%				
Interest income					708,560	0.72%	265	708,825	0.71%					
Cash out (excl. VAT)					91,769,246	52.67%	2,096,401	93,865,647	53.51%					
Net Liquidity				crediline	0	0%	2,609,542	-1.50%	-293,094	-2,902,636				
									-1.65%					
7. Subcontractor Work (incl. Design)				Total Previous Month	November 2010	Total Reporting Month								
Total Portion of Subcontractor Budget				60,353,024 (incl. SDS)	44.95%	117,617,601	67.51%	140,299	117,757,900					
Total Amount of signed Subcontracts incl. approved Variation Order					0	0.00%	0	0	0.00%					
Total Subcontractor Result to date					0	0.00%	0	0	0.00%					
Actual Subcontractor Costs to date (incl. Accruals)					0	0.00%	0	0	0.00%					
Therefrom invoiced to date					0	0.00%	0	0	0.00%					
8. Actual Forecast for Performance and Result in TSD GBP														
Performance	Original planned				Actual / Forecast									
	2008	2009	2010	2011	2008	2009	2010	2011	2012	Yearly Forecast				
Jan	1,706	2,786	2,346		584	2,632	2,510	3,198		Performance and Result in 2008				
Feb	2,526	4,026	2,026		1,739	4,077	2,510	3,198		Performance	12,940,002	7.4%		
Mrz	3,526	5,026	2,526		1,579	5,170	2,510	3,198		Result	2	0.00%		
Apr	4,526	5,276	2,526		3,035	5,755	3,798	3,198		Performance and Result in 2009				
Mai	855	5,776	6,026	2,526	500	2,268	4,337	3,798	3,198	Performance	37,733,662	21.5%		
Jun	1,355	5,776	6,526	1,026	1,052	2,049	5,492	3,798	3,198	Result	-2	0.00%		
Jul	2,375	5,776	6,526	1,026	1,331	1,531	5,112	3,798	3,198	Performance and Result in 2010				
Aug	2,855	6,026	6,526		1,465	6,312	5,779	3,798	3,198	Performance	51,043,745	29.1%		
Sep	3,055	4,626	6,526		1,047	3,783	5,590	3,798	3,198	Result	0	0.00%		
Okt	2,855	4,026	6,526		3,340	3,931	3,375	3,798	3,198	Performance and Result in 2011				
Nov	1,535	2,526	5,026		1,725	7,288	2,022	3,798		Performance	41,712,000	23.8%		
Dez	1,446	1,866	1,706		2,481	3,635	1,701	3,798		Result	0	0.00%		
Total	16,334	48,678	62,498	13,999	12,940	37,734	51,044	41,712	31,975	Performance and Result in 2012				
Linear Calculation					total: 175,405						Performance		31,975,500	18.2%
											Result		-460,551	-1.44%
											Total Performance and Result		175,404,909	100.0%
											Result		-460,551	-0.26%
Edinburgh, 16/12/2010					Edinburgh, 16/12/2010									
Place and Date	M Foerster, Project Director				Place and Date	C Gaudet, Project Control Manager								

1.05 Weighted Result with Chances and Risks

Revenue		best case	likely case	worst case	Cost		best case	likely case	worst case
		' GBP	' GBP	' GBP			' GBP	' GBP	' GBP
1	Actual Contract Value according to Job Site Estimate incl. Approved integrated Changes	175,405	175,405	175,405	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-175,866	-175,866	-175,866
2	Unapproved, but in Job Site Estimate integrated Changes	13,127	3,136	2,642	2	Unapproved, but in Job Site Estimate integrated Changes			
3	Total unapproved Changes	13,127	3,136	2,642	3	Total unapproved Changes			
4.2					4.2	EOT3A - Cost	-13,225	-14,225	-16,225
4.3					4.3				
4.4					4.4				
4.5					4.5				
4.6					4.6				
4.7					4.7				
4.8					4.8				
4.9					4.9				
4.10					4.10				
4.11					4.11				
4.12					4.12				
4.13					4.13				
4.14					4.14				
4.15					4.15				
4.16					4.16				
4.17					4.17				
4.18					4.18				
4.19					4.19				
4.20					4.20				
Σ 4.1 : 4.20	Risks not included in JSE			0	Σ 4.1 : 4.20	Risks not included in JSE	-13,225	-14,225	-16,225
5.1	Back Flow of Value Engineering	3,425	2,925	0	5.1	Uninsured Economic Losses	2,200	1,000	0
5.2	Change Order EOT2b	7,553	6,600	3,300	5.2	Interest Income			0
5.3	Change Order EOT3A	17,624	15,400	7,700	5.3				
5.4					5.4				
5.5					5.5				
5.6					5.6				
5.7					5.7				
5.8					5.8				
5.9					5.9				
5.10					5.10				
5.11					5.11				
5.12					5.12				
5.13					5.13				
5.14					5.14				
5.15					5.15				
5.16					5.16				
5.17					5.17				
5.18					5.18				
5.19					5.19				
5.20					5.20				
Σ 5.1 : 5.20	Chances	28,602	24,925	11,000	Σ 5.1 : 5.20	Chances	2,200	1,000	0
6 =1+3+4+5	Forecast Final Revenue	217,133	203,466	189,047	6 =1+3+4+5	Forecast Final Costs	-186,891	-189,091	-192,091

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue	217,133		
	Costs	-186,891		
	Result	30,243		
% Gross Margin based on Revenue Best Case	Revenue: 217,133	13.93%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue		203,466	
	Costs		-189,091	
	Result		14,375	
% Gross Margin based on Revenue Likely Case	Revenue: 203,466		7.07%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue			189,047
	Costs			-192,091
	Result			-3,043
% Gross Margin based on Revenue Worst Case	Revenue: 189,047			-1.61%
Gross Margin previous month (most likely case)		12.37%	7.07%	-1.61%

Project: **Edinburgh Tram Network**
as per: **30/11/2010**



2.01 Cost Reconciliation Sheet

see following pages

Project: GB-2006-1001AK29 Edinburgh Tram 2010_11
Reporting Month: 29. R.-P. 11.2010, 30.11.2010

COST RECONCILIATION & FORECAST FINAL (REMEASURED CONTRACT)

Currency: GBP

WORK / COST CODES		TO DATE								CURRENT MONTH			BUDGET CONTRACT AND EXECUTION					FORECAST FINAL					
Work- / Cost Code	Description	Actual Cost	Accruals Deferrals	Actual Cost with Accruals 5=3+4	Actual Allowable incl. agreed VO's	Allowable for unapproved VO's 7	Variance to Date 8=(6+7) 5	Revised DJC IQxDJC-Rate 9	Variance to Date 10=9-5	Actual Cost with Accruals 11	Actual Allowable 12	Variance 13=12-11	Budget Original WQty. 14	Budget Orig. Contr. with AQty. 15	Budget Agreed VO's AQty. 16	Budget unappr. VO's AQty. 17	Budget Total AQty. 18=15+16+17	Revised DJCt AQty. 19	% Complete 20=9/19	Cost to Complete (A-Q) 21=19-9	Forecast Final Cost 22=5+21	Forecast Final Variance 23=18-22	Projected Variance (linear) 24=8/20
Total Cost incl. Prime Cost Sums		93.339.133	6.676.86	100.016.000	74.414.603	2.665.161	-22.936.236	100.276.836	260.83	1.967.556	4.575.730	2.608.174	125.838.066	125.838.066	38.191.672	2.903.493	166.933.231	175.865.507	57,0 %	75.588.671	175.604.671	-8.671.44	-40.239.011
Prime Cost Sums 0 / 0																							
Total Cost without Prime Cost Sums		93.339.133	6.676.86	100.016.000	74.414.603	2.665.161	-22.936.236	100.276.836	260.83				125.838.066	125.838.066	38.191.672	2.903.493	166.933.231	175.865.507		75.588.671	175.604.671		

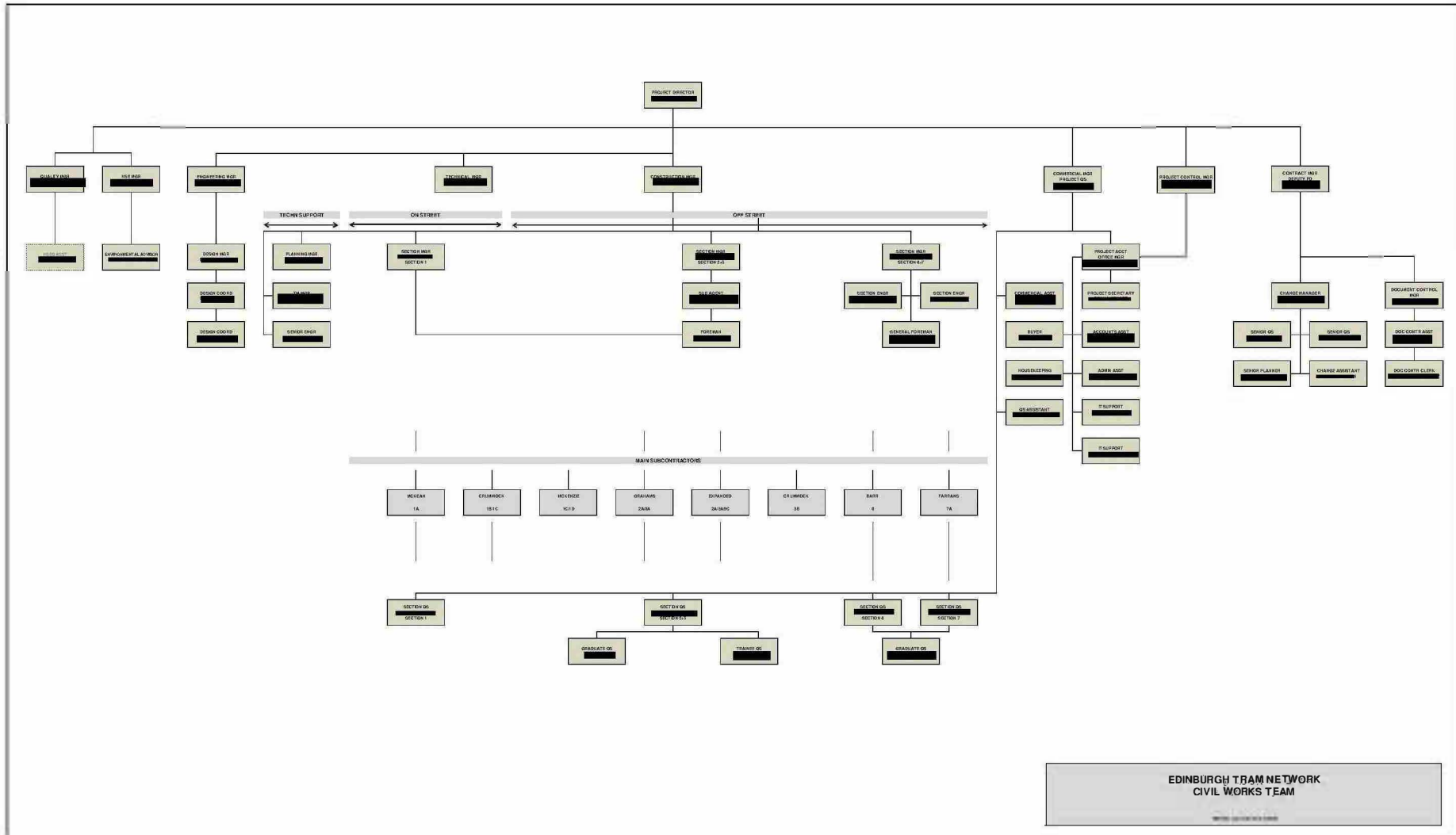
REMEASURED CONTRACT:

Gross Margin original Contract and agreed VO's (PF = 0,9974, PFB = 1,0693)

Total Cost without Prime Cost Sums	100.016.000	74.414.603		100.276.836						125.838.066	125.838.066	38.191.672				164.029.738	175.865.507				175.604.671		
Gross Margin		5.156.932		-260.720						15.670.749	8.443.143	2.932.069,00				11.375.212	-460.557				-199.731		
Gross Margin in % of Performance		6,48 %		-0,26 %						11,07 %	6,29 %	7,13 %				6,49 %	-0,26 %				-0,11 %		
Performance without Prime Cost Sums		79.571.531		100.016.11						141.508.815	134.281.209	41.123.741				175.404.950	175.404.950				175.404.950		
Actual Cost to date		100.016.000		100.016.000																			
Gross Margin to date		-20.444.465		116																			
Gross Margin to date in % of Performance		-25,69 %		0,00 %																			
Performance Prime Cost Sums																							
Total Performance		79.571.535		100.016.116						141.508.815	134.281.209	41.123.741				175.404.950	175.404.950				175.404.950		
Revenue according WBS																							

Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1,0152, PFB = 1,0695)

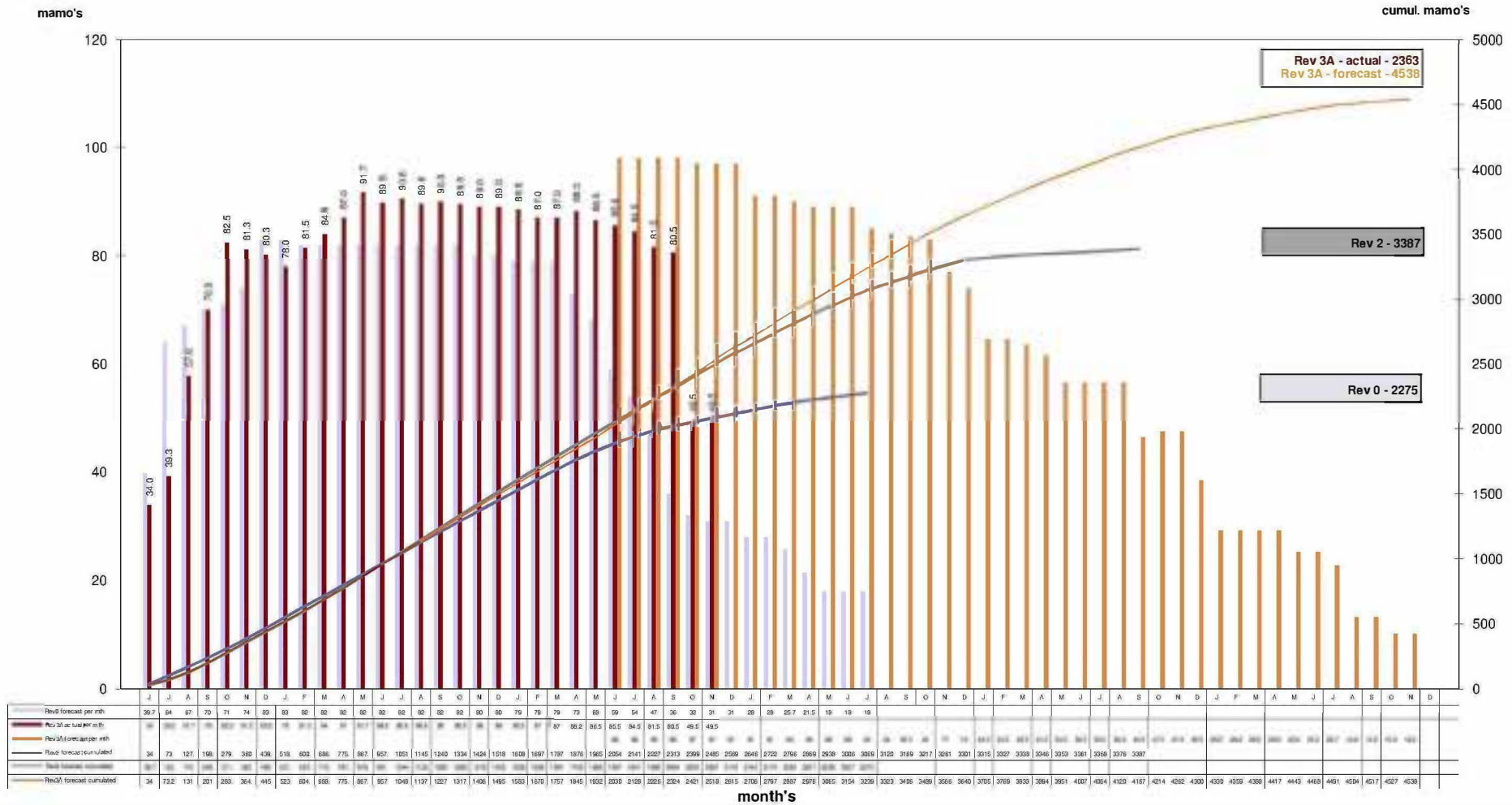
Total Cost without Prime Cost Sums		77.079.764		100.276.836						125.838.066	125.838.066	38.191.672	2.903.493			166.933.231	175.865.507				175.604.671		
Gross Margin		5.357.044		1.574.208						15.670.749						11.607.678	3.675.402				3.036.338		
Gross Margin in % of Performance		6,50 %		1,50 %						11,07 %						6,50 %	1,50 %				1,64 %		
Valued Performance without Prime Cost Sums		82.436.809		101.801.044						141.508.815	134.281.209	41.123.741	3.135.959			178.540.909	178.540.909				178.540.909		
Actual Cost to date		100.016.000		100.016.000																			
Gross Margin to date		-17.579.192,00		1.785.044																			
Gross Margin to date in % of Performance		-21,32 %		1,75 %																			
Performance Prime Cost Sums (incl. valued performance)																							
Total Performance (incl. valued performance)		82.436.808		101.801.044						141.508.815	134.281.209	41.123.741	3.135.959			178.540.909	178.540.909				178.540.909		
Revenue according WBS (VO's valued)																							
Revenue according WBS (VO's valued by 100%)																							



EDINBURGH TRAM NETWORK
CIVIL WORKS TEAM

2.06 Staff Chart

Staff mammo performance Edinburgh Tram



2.08a Approved Change Orders

										Job Estimate Budgets					
INTC	TNC	TCO	DRP	EOT	PS	Section	AC	QS	Description	Date of Approval	Revenue	Design & Construction	OH&P / Margin	Margin in %	Remarks
												2.00	5=1-2-3-4	6-5/1	
SDS NA		SDS NA					66		SDS Novation Agreement Provisional Sums	30/11/10	2,902,543.00	2,902,543.00			
PSSA		PSSA				IC/D	96	SK	Works carried out under Supplemental Agreement concerning Princes Street	20/03/09	12,780,161.05	10,465,330.13	921,710.11	7.21%	Settlement reached in Mediation
		43			UPS	SW	71		Instruction to proceed with road surveys.	02/06/2009	89,050.01	66,011.86	6,801.19	7.41%	
		17					65		Hard standing at Haymarket Yards.	29/01/09	1,011.75	750.00	75.00	7.41%	
19						2A	61	GA	Archaeological Survey to the Caley Ale House	19/09/08	5,976.61	4,430.40	443.04	7.41%	
21						2A	61	GA	Asbestos in the Caledonian Ale House	19/09/08	6,053.64	4,487.50	448.75	7.41%	
23		12				2A	61	GA	Demolition of Access Steps to Haymarket Station Carpark	23/01/09	2,360.75	1,710.00	217.96	9.23%	
42		58					66		Delay and Disruption to Ravelston Tramstop Landscaping	01/06/09	2,409.05	2,052.00	205.20	8.52%	
48		15					66		Additional TRO Drawings as SDS Letter dated 4th July 2008	22/01/09	3,550.18	3,024.00	302.40	8.52%	
51						5A	61	GA	TNC002-Utilities diversions & associated works	03/12/08	75,488.50	54,944.68	5,494.41	7.28%	
52						5B	54	GA	TNC003-Utilities diversions & associated works	03/12/08	88,027.11	64,070.99	6,407.13	7.28%	
53						5C	54/57	GA	TNC004-Utilities diversions & associated works	10/10/08	39,217.65	28,539.95	2,859.29	7.29%	
59						2A	61	GA	Notified Departure in acc. With Schedule 4 due to tie-Asbestos Survey	30/10/08	29947.80	22,200.00	2,220.00	7.41%	
60		146					62/66		Diversion of Existing Sewer at Gogarburn Bridge - conflict with the 300 mm dia	07/07/10	36,292.29	26,778.73	2,677.31	7.38%	
74		83					64/65		Sewer Diversion, Gogar Landfill	03/08/09	1,433.79	1,213.64	121.36	8.46%	
75		27				7A	62	OH	Temporary Access Ramp from Depot	27/03/09	16,303.74	12,221.80	1,072.59	6.58%	
76		131					65		Gogar Depot Public Tramstop proposals GRIP options 4B & 4C2	13/01/10	50,000.00	42,589.44	4,259.44	8.52%	
76		184					66		Design for Edinburgh Gateway	22/09/10	519,439.06	442,452.35	44,245.24	8.52%	BB portion only
77		112					66		DESIGN ONLY to Amend line of route design section 5#c (Batch 5/22)	13/11/09	5,368.54	4,251.90	425.19	7.92%	
84		18					65/66		TNC005-Burnside road Diversion - Fees for design (INF_CDRR.006)	03/02/09	720.00	613.29	61.33	8.52%	
85		125				1A1	31	SK	TNC008 - Lindsay Road Retaining Wall Cost Estimate	15/01/10	484,065.00	352,329.09	35,232.91	7.28%	
87		4					64/65		Duct Installation at Leith Walk	22/01/09	344.00	255.00	25.50	7.41%	
91		98				5B	56	GA	Reference E.TN002 Edinburgh Park Structure (S27) Earthworks/Foundations.	04/09/09	52,388.71	37,750.68	3,775.08	7.21%	
104		161.1	119			5A	58	GA	IFC Drawing Change Baird Drive RTW	26/05/10	915,462.16	666,323.72	66,632.38	7.28%	Settlement reached during internal DRP
105		138	120			5B	58	GA	IFC Drawing Change Balgreen Road Retaining Wall	15/02/10	298,574.22	217,317.92	21,731.79	7.28%	Settlement reached during internal DRP
108		193				5C	54	GA	BDDI to IFC changes Gyle Tram Stop	11/10/10	26,424.41	19,393.58	1,762.88	6.67%	
111		167				7A	62	OH	IFC Drawing Change Gogarburn Bridge	21/06/10	176,195.40	129,486.13	12,948.61		Settlement reached after DRP
112		115	115			2A	61	GA	IFC Drawing Change Haymarket Viaduct	04/11/09	96,173.00	70,000.00	7,000.00	7.28%	Settlement reached during internal DRP
113		168				2A	61	GA	IFC Drawing Change Russell Road Bridge	18/06/10	60,174.06	43,797.99	4,379.80		
115		162	95			5B	58	GA	IFC Drawing Change Carrisknowe Bridge	26/05/10	138,265.23	100,637.05	10,063.69	7.28%	Settlement reached after DRP
116		180				5A	58	GA	IFC Drawings Water of Leith Bridge	03/09/10	20,000.00	14,825.80	1,482.58	7.41%	
118		96					64/65		IFC Drawing Change Cathedral Lane Sub Station	31/08/09	1,229.73	1,040.91	104.09	8.46%	
125		109					61/66		Unforseen Ground Conditions at Haymarket Viaduct	22/10/09	94,317.38	68,649.54	6,864.71	7.28%	
139		144					66		Revised location of OLE poles in Section 1A at the request of GEC.	04/06/10	4,575.43	3,897.30	389.73	8.52%	
141		24					66		West End Tramstop - revised requirements from GEC/IE.	09/04/09	1,6638.17	14,170.50	1,417.05	8.52%	
151		133.1					64/65		Excavate and replace existing BO material within existing utility trenches.	22/01/10	1,065.68	902.05	90.20	8.46%	
157		50				7A	62	OH	Survey of Existing Drainage (Gogar Landfill)	01/05/09	4,027.46	2,931.41	293.13	7.28%	
158		186			UPS	2A	61	GA	Provisional Sum - Provide Crew Relief Facilities at Haymarket Station Viaduct	22/09/10	148,002.24	109,712.56	10,971.26	7.41%	
159		23			DPS				Removal of Provisional Sum Main Contract - Relocation Ancient Monuments	12/03/09					
166						1A	31	SK	Demolition of existing garage and fuel tanks on Ocean Drive.	03/12/08	19,560.50	14,500.00	1,450.00	7.41%	
167		56			UPS	5A	61	GA	Accommodation Works to Wanderers Clubhouse Building at Murrayfield	26/05/09	191,060.84	141,631.46	14,163.14	7.41%	
168		16				1A	31	SK	Demolition of existing building at 33 Ocean Drive.	02/03/09	6,745.00	4,989.52	511.26	7.58%	

2.08a Approved Change Orders

INTC	TNC	TCO	DRP	EOT	PS	Section	AC	QS	Description	Date of Approval	Job Estimate Budgets				Remarks
											Revenue	Design & Construction	OH&P / Margin	Margin in %	
												2.00	5=1.2-3-4	6=5/1	
176						7A	62	OH	Temporary Ramps (2 no.) at Gogar Church Road Construct Car Park	18/12/08	7,725.08	5,622.74	562.27	7.28%	
179	85				UPS		66		Gatehouse Works to Murrayfield Stadium Part 1	05/08/09	108,664.00	92,558.70	9,255.87	8.52%	
179	86				UPS		66		Gatehouse Works to Murrayfield Stadium Part 2	10/08/09	34,930.00	29,667.80	2,966.78	8.52%	
184	47				UPS	1B	40	SK	Discovery of void around existing BT Duct - Chainage 360 RHS	29/04/09	192.37	142.60	14.26	7.41%	
187	28						63	OH	Additional excavated material at Depot	02/04/09	1,660,654.40	1,223,272.73	102,327.27	6.16%	
191	110				UPS	1B	48	SK	Discovery of concrete encased lighting cable - Chainage 339 RHS	25/10/09	179.57	133.51	12.92	7.19%	
192	14				UPS	1B	40	SK	Discovery of Cable & Wireless ducts - Chainage 108	22/01/09	187.35	136.36	13.64	7.28%	
193	46				UPS	1B	40	SK	Discovery of Hydrant in kerb line - Chainage 333 RHS	29/04/09	449.22	333.00	33.30	7.41%	
195	45				UPS	1B	40	SK	Discovery of temporary pedestrian crossing lighting ducts	29/04/09	910.16	675.00	67.09	7.37%	
195	157						64/65/66		Little King Street works required by CEG outside the Limits of Deviation	18/05/10	2,467.75	2,111.2	211.13	8.49%	
201	192	118				5C	58	GA	IFC Drawing changes - Depot Access Bridge	15/02/2010	1,230,624.88	912,249.7	91,224.9	7.41%	Settlement reached after DRP
202	90					7A	62	OH	IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	12/08/09	13,368.47	9,730.32	973.02	7.28%	
216	31				UPS	1B	40	SK	Discovery of alkaline water pipe above formation level - Chainage 285 RHS	29/04/09	618.86	458.75	45.88	7.41%	
218	32				UPS	1B	40	SK	Discovery of 2 No. LV and 1 No. LV cables above formation level - 192 RHS.	29/04/09	295.47	218.36	22.74	7.70%	
220	33				UPS	1B	40	SK	Discovery of Water connection pipework above formation level - 161 RHS	29/04/09	91.87	68.10	6.81	7.41%	
222	66				UPS	1B	40	SK	Discovery of valves and a hydrant fouling the new kerbline - 120 RHS	10/06/09	617.61	457.83	45.78	7.41%	
223	34				UPS	1B	40	SK	Discovery of stone culvert - Chainage 100 RHS	29/04/09	1,169.22	866.79	86.60	7.41%	
225	35					1B	48	SK	Repairs required to footpath to allow pedestrian access - Chainage 170 RHS	29/04/09	329.17	239.59	23.96	7.28%	
230	119								see TCO 165						
230	165	119				1A	31	SK	IFC Drawing Changes - Tower Bridge Structure	18/06/10	260,973.48	189,950.85	-18,995.09		Settlement reached after DRP
234	89				UPS	1B	40	SK	Leith Walk (Section 1B) Groundworks - Move THUS ducts - Ch 345- 365	11/09/09	6,562.03	4,864.43	486.43	7.41%	
237	10				UPS	2A	61	GA	Move site boundary/fencing at Haymarket Car Park	17/12/08	987.96	719.09	71.91	7.28%	
238	67					1C/D	21	SK	Temporary Traffic Lights opposite Manderson Street required	04/09/09	15,084.79	11,182.21	1,118.21	7.41%	
242	111						66		TRO Presentations by SDS to the public during September 2008	04/11/09	23,480.00	20,000.00	2,000.00	8.52%	
243	68						66		Forth Ports Substation - lack of as-built information	10/06/09	7,824.12	6,664.50	666.45	8.52%	
257	44						66		Feasibility Study (Design Only) Forth Ports access to ADM Milling	29/04/09	1,624.82	1,384.00	138.40	8.52%	
259	72						54/66		Cycleway at Edinburgh Park Station repositioned outwith the LOD	15/06/09	52,094.65	39,609.70	3,922.9	7.53%	
260	36					1B	40	SK	Relocate existing Control Box - Section 1B	29/04/09	1,274.98	94.51	94.51	7.41%	
262			214			5B	54	GA	BDD to IFC Drawing Changes - Section 5B - Track Drainage	17/11/10					Referred to DRP
266	25						63	OH	Monthly Track Monitoring Network Rail East Coast North Line / Gogar Depot	27/03/09	5,369.02	3,980.00	398.00	7.41%	
268	133.2					5C	57	GA	Carry out Scottish Power Diversion at Gogar Roundabout	01/02/10	70,163.35	51,857.54	5,185.76	7.39%	
269	20						66		Instructions arising from Trackform Development Workshop	13/02/09	371,057.96	316,068.00	31,606.30	8.52%	
271	19						66		Road Construction Details - Construction Methodology Statements for	13/02/09	372,540.13	317,325.50	31,732.55	8.52%	
272	11					5B	54	GA	Starter Layer below Subsoil Level at Carrick Knowe	17/12/08	96,557.69	70,280.00	7,028.00	7.28%	
273	65						64/65/66		Gogarburn Retaining Wall W14 - Re-design Water Mains and Gas Main	07/07/09	1,156.57	98.136	98.14	8.49%	
274	21					1C/D	21	SK	Princes Street Construction Works-closure to traffic during construction	13/02/09	7,522.40	5,576.28	557.63	7.41%	cost to PSSA
279	8.41						66		West Piton Tram stop	29/07/08	859.37	732.00	73.20	8.52%	
281	172					1C	66	SK	Revised proposals for Cathedral Lane Sub-station	13/10/10	2,063.97	1,758.00	175.81	8.52%	
282	128					2A	61	GA	Request for instruction to deal with Japanese Knotweed - Retaining Wall W4	22/01/10	24,282.78	18,000.58	1,800.06	7.41%	
283	209					5B	56	GA	Edinburgh Park Bridge (S27) - Pier 3 Base Formation	11/11/10	8,810.74	6,531.31	653.13	7.41%	
289	174					1A	66		Cycleway change at Hawthornvale - Section 1A4	08/10/10	6,199.88	5,280.82	528.08	8.52%	
292	175					1A	31/66	SK	Additional Ramp / Steps at Lindsay Road Retaining Wall - Section 1A4	08/10/10	2,168.28	1,656.62	165.66	7.64%	

2.08a Approved Change Orders

											Job Estimate Budgets				
INTC	TNC	TCO	DRP	EOT	PS	Section	AC	QS	Description	Date of Approval	Revenue	Design & Construction	OH&P / Margin	Margin in %	Remarks
												2.00	5=1-2-3-4		
297		40				7A	62	OH	Formation Level of Gogarburn Bridge East Abutment	29/04/09	8,466.27	6,162.01	616.43	7.25%	
304		104			DPS	1C/D	96	SK	Provisional Sum for Extra Over for Shell Grip at Junctions	12/10/09	156,259.21	113,728.94	11,378.52	7.28%	Instruction of PrevSum - Current Value just partially
307		76				2A	61	GA	Contaminated Soil assessment at Haymarket Depot	11/06&20/09/09	54,986.59	40,761.00	4,076.10	7.41%	
309		123				5B	56	GA	Edinburgh Park Bridge (S27) - South Abutment Base Formation	25/11/09	9,494.75	7,202.65	717.46	7.56%	
315		201	11.7			7A	62	OH	IFC Drawing Changes - Drainage - Gogarburn to Airport	10/02/2010	997,068.00	739,116.38	73,911.64	7.41%	Settlement reached during Informal DRP
321		198				1C	66	SK	Rev Alignment Picardy Place, York Place, London Road Junctions	20/10/10	50,000.00	42,589.44	4,258.94	8.52%	
324		51			UPS	5C	57	GA	A8 Underpass Phase 1 Piling Obstructions	01/05/09	4,613.56	3,420.00	342.00	7.41%	
327		41			UPS	1B	40	SK	Dyetest and camera survey at Chainage 170 RHS	29/04/09	711.82	527.66	52.77	7.41%	
328		42			UPS	1B	40	SK	Reinstate slabbed footway following MUDFA works	29/04/09	1,386.54	1,027.82	102.78	7.41%	
330		49			UPS	1B	40	SK	Install additional gully Chainage 250 RHS	08/05/09	2,170.14	1,579.55	157.96	7.28%	
334		94				7A	62	OH	Access at New Ingliston	20/08/09	5,827.59	4,282.94	428.29	7.35%	
335			215			5C	54	GA	IFC to IFC Drawing Changes - Section 5C - Track Drainage	17/11/10					Referred to DRP
336		60					64		Extension to Site Office for the SDS personnel	02/06/09	150,000.00	120,096.08	0.00	0.00%	
337		99				1B	21/40/71	SK	Testing to carriageway at Leith Walk	04/09/09	15,452.46	11,454.75	1,145.48	7.41%	
338		57				1B	40	SK	Remove ornamental iron balls from Groat Hill Depot	03/06/09	406.26	301.15	30.12	7.42%	
340		52				5C	56	GA	Edinburgh Park Bridge South Abutment Base - Existing service (cable)	01/05/09	609.69	451.95	45.21	7.42%	
342	040	216				5B	54	GA	Transfer of private utility diversions from MUDFA at Edinburgh Park	19/11/10	1,535.82	1,138.49	113.85	7.41%	
349		61				1C/D	21	SK	Traffic Management contingency for Emergency Utility Works	02/06/09	404.70	300.00	30.00	7.41%	
350		64				7A	62	OH	Protected Species mitigation measures	05/06/09	9,262.22	6,862.20	686.22	7.41%	
352		69				1C/D	21	SK	Off-peak Taxi Rank at George Street	10/06/09	2,213.71	1,641.00	164.10	7.41%	
359		202				1D	52	SK	Haymarket Junction - Underground Chamber at Clifton Terrace	29/10/10	92,836.17	68,818.51	6,881.85	7.41%	
360		54			DPS		66		Alteration of Design at Forth Ports Road 8	15/05/09	1,932.54	1,016.40	101.64	8.52%	
361		55			UPS	5A	61	GA	Scottish Power Utility Diversion near Murrayfield Station	05/06/09	6,699.80	6,188.55	768.86	8.85%	
362		106				5B	56	GA	Edinburgh Park Bridge - Approach Ramps additional earthworks	09/10/09	185,000.00	134,653.18	13,465.31	7.28%	
364		30.2					64/65		New Manhole (MH1) at Balbinio Place	12/02/10	1,498.23	1,268.19	126.81	8.45%	
367		134				2A	61	GA	Haymarket Station - Network Rail Access Doorway	08/02/10	2,814.69	2,086.50	208.65	7.41%	
369		126				5C	57/71	GA	Maintain Thus and C & W services and dismantle water main at A8 Underpass	17/12/09	20,324.84	14,793.8	1,478.86	7.28%	
370		113				5B	56	GA	Existing Ground levels at Edinburgh Park Bridge	23/11/09	61,851.30	47,265.35	4,721.44	7.63%	
371		75			UPS	7A	62	OH	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/6T/D/05	17/06/09	855.81	622.91	62.29	7.28%	
373		74			UPS	7A	62	OH	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	3,269.16	2,379.4	237.95	7.28%	
385		62				1C/D	21	SK	Section 1C/D - Additional MASS barriers on Great Stuart Street	02/06/09	915.27	678.48	67.85	7.41%	
390		53				5B	54	GA	Carrick Knowe chainage 520200 to 520240 - sub-grade improvement	15/05/09	98,501.39	71,694.73	7,169.47	7.28%	
392		59				5B	56	GA	Pier 1 Base Formation - Section 5B	03/06/09	561.45	408.65	40.8	7.28%	
399		141				7A	62	OH	Addition of starter and capping layers in Section 7A	04/03/10	1,139,305.68	829,249.35	82,924.93	7.28%	Estimate provisional
401		92				7A	62	OH	Additional earthworks to western approach embankment at Gogarburn Bridge	13/06/09	36,616.19	26,651.28	2,655.13	7.28%	
402		142				5B	54	GA	Addition of starter and capping layers in Section 5B	03/03/10	1,048,164.38	743,019.32	74,301.93	7.09%	
403		143				5C	54	GA	Addition of starter and capping layers in Section 5C	03/03/10	930,159.34	677,020.05	67,703.20	7.28%	
407		97					63	OH	Hard material within Gogar excavation	02/09/09	35,806.89	26,062.2	2,606.21	7.28%	
409		70					66		Forth Ports - New construction at Ocean Drive	10/06/09	2,817.60	2,400.00	240.00	8.52%	
413		84.2			UPS	7A	62	OH	Provide local protection of sewer at Chainage 711990	31/07/09	2,696.95	1,999.22	199.93	7.41%	
414		107				2A	21/61	SK/GA	Sample soil nailing to embankments between Russell Road & Waterloo Leith	09/10/09	44,718.35	33,149.26	3,314.92	7.41%	
419		82				1C	21/43	SK	Replace MASS barriers at St Andrews Square	14/08/09	22,896.58	16,973.00	1,697.31	7.41%	
420		196				1B	21	SK	Leith Walk Gyrotary System	08/10/10	5,036.91	3,733.81	373.38	7.41%	

2.08a Approved Change Orders

										Job Estimate Budgets					
INTC	TNC	TCO	DRP	EOT	PS	Section	AC	QS	Description	Date of Approval	Revenue	Design & Construction	OH&P / Margin	Margin in %	Remarks
											2.00	5-1-2-3-4			
431		108				5B	57	GA	Stew existing BT duct at A8 underpass	13/10/09	22,846.79	16,934.93	1,693.49	7.41%	
433		187				2A	21	SK	Traffic management at Varsity House Access Road	11/10/10	10,841.52	8,037.00	803.31	7.41%	
434		130				1C/D	21	SK	George Street Emergency road closure	25/01/10	1,516.30	1,124.02	112.40	7.41%	
436		129				10/D	21	SK	Lothian Road pedestrian disruption	25/01/10	8,640.25	6,404.93	640.50	7.41%	
437		102				5B	58	GA	Carrick Knowe works outwith the LOD	23/11/09	4,323.55	3,205.00	320.50	7.41%	
439		77					66		SDS' proposed office move to Edinburgh Park - IT costs	07/07/09	28,000.00	20,756.12	2,075.61	7.41%	
448		155				64/65/66			Change to street lighting at Haymarket Terrace	07/05/10	1,154.69	979.77	97.98	8.49%	
449		80				5B	21	SK	Reinstatement of Bus Link - Traffic Management	23/07/09					CO Value not issued - to be paid on Demonstrable Cost Basis
472		91					66		Developed kinematic envelope (DKE) check	09/02/10	15,118.77	12,878.00	1,287.80	8.52%	
473		147				1A	31	SK	Construction of 3 no. sewer protection slabs and new chamber at Lindsay Road	02/04/10	31,635.17	23,025.68	2,302.77	7.28%	
479		147A				1A	31	SK	Construction of 3 no. sewer protection slabs and new chamber at Lindsay Road	01/09/10	31,635.17	23,025.68	2,302.72	7.28%	
474		135				5B	54	GA	Additional manhole requirement - Section 5B	08/02/10	7,085.74	5,157.39	515.74	7.28%	
475		105.1			UPS	5B	57	GA	A8 Underpass - BT works - Stew 2 way and 4 way ducts	09/10/09	94,954.28	70,144.03	7,344.38	7.73%	
479		153				5A	58	GA	Proposed sewer lining at Water of Leith Bridge	04/08/10	59,708.88	44,261.44	4,426.14		
486		105.2					66		TRO Changes September 2009		3,430.43	2,922.00	292.20	8.52%	
492		170					66		IFC drawing changes - Haymarket Car Park	18/08/10	40,000.00	29,651.59	2,965.16	7.41%	
499		179					66		Frederick Street pedestrian crossing	30/09/10	17,638.18	15,024.00	1,502.40	8.52%	
500		198				1C	66		Picardy Place - redesign north side to incorporate a fourth lane eastbound	20/10/10	50,000.00	42,589.44	4,258.94	8.52%	
502		136				5B	58	GA	Additional excavation at Carrick Knowe North Abutment	03/02/10	390.94	284.55	28.45	7.28%	
517		139				2A	61	GA	Scottish Power Utility Diversion 5A/SP/D/05 at Russell Road Retaining Wall	22/02/10	20,005.56	14,829.92	1,482.99	7.41%	
543		164				1C/D	21	SK	Trensy and Linsig modelling - Aecom	20/08/10	60,382.00	44,760.56	4,476.06	7.41%	
558		206				5C	21	SK	South Gyle Access Bridge Hire of TM Equipment	24/11/10	24,530.65	19,184.32	1,818.43	7.41%	
559		203				5C	57	GA	A8 Underpass - Scottish Gas Main Diversion	09/11/10	2,263.62	1,678.00	167.80	7.41%	
578		204				5C	57	GA	A8 Underpass - Phase 2 - Piling obstructions	11/11/10	9,480.91	7,028.10	702.81	7.41%	
583		200				1C/D	21	SK	Part reinstatement of Princes Street contingency route	28/10/10	21,946.88	16,269.00	1,626.90	7.41%	
595		205				2A	61	GA	Haymarket Station - additional works to Network Rail access door	19/11/10	1,821.15	1,350.00	135.00	7.41%	
601		SWC2				5B	54	GA	Bus Gate - Unforeseen ground conditions - existing Scottish Power LV cable	20/10/10	2,459.28	1,823.00	182.30	7.41%	
602		199				5B	54	GA	Bus Gate - Unforeseen ground conditions - existing foul water manhole	20/10/10	3,846.3	2,851.28	285.13	7.41%	
653		191				7A	62	OH	Badger Sett Removal	08/10/10	1,839.51	1,363.61	136.36	7.41%	
654	109	210				5C	66	OH	Additional Tram stop at Gogar to be named "Edinburgh Gateway"	11/11/10	2,207.12	1,680.00	168.00	8.52%	
655		195				7A	66	OH	Rebate drainage from A8 at Gogar Interchange	13/10/10	26,820.62	22,845.50	2,284.55	8.52%	
660		197				7A	66	OH	Topographical survey for Burnside Road	15/10/10	2,879.82	2,453.00	245.30	8.52%	
688		SWN008				5B	54	GA	Busgate: Scottish Power HV Cable Clash with Drainage	11/11/10					
679	113	211				1A	31	SK	Tower Place Bridge Diversion	11/11/10	10,779.53	7,990.76	799.08	7.41%	
001A-D		116				EOT1	64/65/67		IFC dates entered into the Schedule Part 15 (Section 1A-ID)	04/11/09	2,225,000.00	2,022,727.27	202,272.73	9.09%	Settlement reached in Mediation
052a		158				5B	54	GA	TNC003 Utilities diversions & associated works	30/07/10	55,923.74	40,749.82	4,024.95	7.20%	
053a		150				5C	54	GA	TNC004 Utilities diversions & associated works - Water main diversion only	31/03/10	11,2879.89	83,676.77	8,367.66	7.41%	
074a		189				7A	62	OH	Gogar Landfill Embankment Sewer Diversion - Flexible Sleeve	08/10/10	2,894.39	2,145.58	214.56	7.41%	
088a		137			DPS		63	OH	Power Supply Ducts Section 6	15/02/10	13,297.28	9,678.49	967.85	7.28%	
088b		160				7A	62	OH	Power Supply Ducts - Ingliston Park And side Tram Stop	26/05/10	2,309.60	1,681.20	168.12	7.28%	
706		212				1A	21/31	SK	Tower Place Bridge - Sequence of works	18/11/10	65,572.74	48,608.41	4,860.84	7.41%	
146a		132	101			2A	61	GA	IFC Drawing Change Russell Road RTWs Wall 4	18/02/10	1,461,857.21	1,083,659.90	108,365.99	7.41%	Settlement reached after DRP
146b		161.2				2A	61	GA	IFC Drawing Change Russell Road RTWs Wall 3	26/05/10	370,000.00	269,306.35	26,930.64	7.28%	

2.08a Approved Change Orders

											Job Estimate Budgets				
INTC	TNC	TCO	DRP	EOT	PS	Section	AC	QS	Description	Date of Approval	Revenue	Design & Construction	OH&P / Margin	Margin in %	Remarks
											1	2.00	5=1-2-3-4	8=3-1	
167c		188				5A	61	GA	Further Changes to Wanderer's Clubhouse Building at Murrayfield radiators	08/10/10	2,063.97	1,530.00	153.00	7.41%	
203a		79					63	OH	Foundations	15/07/09	47,782.16	34,778.48	3,477.85	7.28%	
203b		78					63	OH	Structural Steelwork	15/07/09	270,372.97	196,792.25	19,679.22	7.28%	
203g		93					63	OH	Secondary Steelwork	17/08/09	2,355.95	1,714.79	171.48	7.28%	
203j		114					63	OH	BDDI to IFC changes to depot access road	13/11/09	78,674.86	57,263.89	5,726.39	7.28%	
203p		140					63	OH	IFC issue drawings for alteration to Scottish Water valves - MUDFA works	31/03/10	5,985.65	3,977.50	397.75	7.41%	
258a		182					66		Future Proofing on behalf of New Ingleston Ltd and Highland Properties Ltd	10/09/10	5,140.00	4,378.19	437.82	8.52%	
262b			214			5B	54	GA	IFC to IFC Drawing Changes - Section 5B - Track Drainage						Referred to DRP
267a		149				5C	57	GA	Carry out Scottish Water Diversion at Gogar Roundabout	07/05/10	83,295.35	61,746.00	6,174.60	7.41%	
441a		183				2A,5ABC	54	GA	Site investigation contamination	22/09/10	50,000.00	37,064.49	3,706.45	7.41%	Provisional Change Order
517a		173				2A	61	GA	Scottish Power Utility Diversion 5A/SP/D/05 at Russell Road Retaining Wall	27/08/10	16,738.62	12,408.1	1,240.8	7.41%	
551a		169				2A	61	GA	Removal and disposal of contaminated soil at Russell Road Retaining Wall	29/07/10	397,000.00	294,292.07	29,429.21	7.41%	
SWC1		SWC1				2A	61	GA	Haymarket Viaduct removal of Scottish Power cable and containment	04/05/10	2,885.63	2,139.08	213.91	7.41%	
SWN1		SWN/EG/001				5C	54	GA	Edinburgh Gateway - Enabling works cable diversion	02/11/10	3,777.20	2,800.00	280.00	7.41%	
SWN7		13							see TCO4						
		SWN007				2A	61	GA	Haymarket Yards, Verly House Hard Standing	11/11/10					
		95							see TCO 161						w/o value yet - after Adjudicator's decision (DRP) rev estimate submitted
		101							see TCO 132						
		120							see TCO 138						
TOTALS											41,123,741.33	33,789,281.27	2,932,068.77	7.13%	

budget approved chan
38,191,671.78

2.08b Unapproved Changes

										Assessment			Status				Job Estimate Budgets								
INTC	TNC	TCO	DRP	TI	EOT	SDS only	Section	AC	QS	Description	Maximum	assessed	Minim	Submitted	not submitted	response	approved	not agreed	Direct Cost	OH&P/Margin	Margin %	Stage of Completion			
											0	0	0	0	0		0	0	0	0	0	13+128			
							19	19	19	Roseburn Viaduct Structures - Additional	100,000.00	80,000.00	80,000.00	0.00	100,000.00										
							19	19	19	CIE soft ground conditions	0.00	0.00	0.00	0.00	0.00										
							14	14	14	Line requirements from CEC	20,000.00	18,000.00	15,000.00	0.00	20,000.00										
							19	19	19	CIE Foundation 200+249 at Haymarket Yards	5,000.00	4,000.00	3,000.00	0.00	5,000.00										
							19	19	19	Live HV cable discovered at Structure W1	0.00	0.00	0.00	0.00	0.00	not accepted						1 Notified			
							19	19	19	Jitney Road retaining wall finish	2,000.00	1,500.00	1,000.00	0.00	2,000.00			0.00							
							5A	5A	5A	Test Soil Nailing	42,892.83	17,388.11	18,301.88	42,892.83	0.00			42,892.83							
							19	19	19	Bugate Drainage Works - Ground Condition	0.00	0.00	4,857.85	0.00	0.00	not accepted		10,350.26	0.00	4,987.16	0.00	7.41%	1 Notified		
970							5B	5B	5B	Excavation through rock with drainage gun	0.00	0.00	0.00	0.00	0.00										
970a							19	19	19	Bagdahn to Carrick Knowe - Ground Conditions	0.00	0.00	0.00	0.00	0.00	in principle	6753					1 Notified			
970b							5G	5G	GA	Sieving of existing ducts with excavation line	11,620.72	7,553.47	0.00	11,620.72	0.00	not accepted		11,620.72	7,553.47	0.00	0.00	7.41%	100.00%		
970c							19	19	GA	Utilities within Infraco Works TQ 2015 - 125mm	0.00	0.00	0.00	0.00	0.00										
970d							19	19	GA	Ch 200+108 Haymarket Yards - Untrasssen	7,840.89	5,289.85	0.00	7,840.89	0.00				11,759.22	0.00	0.00				
970e							19	19	GA	Edinburgh Park Station Tramstop BDDI in IFC	19,233.58	13,315.35	0.00	19,233.58	0.00	not accepted				29,590.12	0.00	0.00			
970f							5G	5G	19	The Gyle Centre	23,230.84	18,898.87	0.00	23,230.84	0.00	not accepted				0.00					
970g							19	19	19	TAA for Nil Crossing 1 & 2	8,564.33	5,586.81	0.00	8,564.33	0.00				0.00						
970h							19	19	19	Extension of the Maccadam RENO mattresses	0.00	0.00	0.00	22,020.84	0.00	not accepted				0.00			1 Notified		
970i							19	19	19	Installation of Gabion Wall at Ch 711975 - 711995	28,085.15	0.00	0.00	0.00	0.00	not accepted	8342/GM/G		28,085.15	0.00	0.00	1 Notified			
970j							19	19	19	Trackside and CIE base Existing Gas Main	0.00	0.00	0.00	0.00	0.00										
970k							19	19	19	Impact of Tram Infrastructure on Roadside kerbs	0.00	0.00	0.00	0.00	0.00										
970l							19	19	19	Lindsay Road Retaining Wall 1A - Ground	0.00	0.00	0.00	0.00	0.00	not accepted						1 Notified			
970m							19	19	CH	Additional changes to Gogarburn Bridge - Bridge	0.00	0.00	0.00	0.00	0.00				0.00			100.00%			
970n							19	19	19	Flooding less due to BAA re-directing water	0.00	0.00	0.00	0.00	0.00				0.00			100.00%			
970o							19	19	19	Gogar Castle Access - Junction 206	0.00	0.00	0.00	0.00	0.00				0.00						
970p							19	19	SK	Lighting Change for combines CIE Lighting on	0.00	0.00	0.00	0.00	0.00				0.00						
970q							19	19	19	Archaeological Findings	11,974.83	6,118.72	0.00	11,974.83	0.00				11,974.83	0.00	0.00				
970r							SW OFF	19	19	Electrification of Airdrie to Bathgate Rail Link	0.00	0.00	0.00	0.00	0.00				0.00						
970s							19	19	19	Unstable commences in operations	5,000.00	0.00	0.00	0.00	0.00				0.00						
970t							19	19	GA	CHS3000 to 530480 Utilities Protection	1,341.77	0.00	1,341.77	0.00	0.00				2,981.71	0.00	0.00				
970u							19	19	GA	Utilities Protection Measures (Gas Main)	17,666.77	0.00	17,666.77	0.00	0.00	in principle	7035		27,199.85	17,666.77	0.00	7.41%	100.00%		
970v							19	19	19	Social Car Park Barrier and Security	0.00	0.00	0.00	0.00	0.00				0.00						
970w							19	19	19	Ch 200-127 Utilities Clash	0.00	0.00	0.00	0.00	0.00				0.00						
970x							19	19	19	Ch 200+215 Untrasssen Ground Conditions	0.00	0.00	0.00	0.00	0.00				0.00						
970y							19	19	19	Pedestrian Guardrail - change in CEC	0.00	0.00	0.00	0.00	0.00				0.00						
SWN001		SWN001					19	19	19	Edinburgh Gateway - Cable Diversions	3,777.20	3,777.20	3,777.20	0.00	0.00	approved	988		3,777.20	3,777.20	0.00	0.00			
SWN002		SWN002					19	19	19	Haymarket Yards Ventry House	0.00	0.00	0.00	0.00	0.00				0.00						
SWN003		SWN003					19	19	19	Haymarket Stadium - Works to accommodate	0.00	0.00	0.00	0.00	0.00				0.00						
SWN004		SWN004					19	19	19	IFCDrawing changes - Ducting and Cable Routes	54,197.94	35,228.88	24,389.07	0.00	0.00				0.00						
SWN005		SWN005					19	19	19	IFCDrawing changes - Section 2A - Ducting and	0.00	0.00	0.00	0.00	0.00				0.00						
SWN006		SWN006					19	19	19	IFCDrawing Changes - Soft Landscaping	440.78	202.18	0.00	440.78	0.00				0.00						
703							19	19	19	Planning Permission Access to cruise liner area	0.00	0.00	0.00	0.00	0.00				0.00						
704							19	19	19	Excavation on track in sections 2A and 5A	0.00	0.00	0.00	0.00	0.00				0.00						
705							19	19	19	Untrasssen Ground Conditions Ch 200+125	0.00	0.00	0.00	0.00	0.00				0.00						
706							19	19	19	Open road to way traffic 19/11/10 10.01:11	0.00	0.00	0.00	0.00	0.00				0.00						
707							19	19	19	Existing Services in footpath Haymarket Terrace	0.00	0.00	0.00	0.00	0.00				0.00						
TOTALS											93,735,359	48,553,967	35,586,371	76,408,500	17,326,859				7,268,180	69,085,672	3,135,959	2,324,654	232,465	7.41%	92.80%
											maximum potential change			not notified or in principle			not notified or in principle			not notified or in principle					
											93,735,358.93			76,353,852.38			2,903,493.21								

2.11 Monthly Report on Quality Management

1. Audits

1.1 Internal Audits

Audit-No	Date	NCRs raised	NCRs Closed-Out	% Closed	Corrective Actions
BBUKETN001/10	28/06/2010	3	1	33%	7 no. observations for improvement also raised
EXP001/10	06/09/2010	1	0	0%	12 no. Observations for improvement also raised
McKean001/10	20/10/2010	4	4	100%	8 no. observations for improvement also raised
Port 001/10	17/11/2010	0	0	100%	1 no. observation for improvement also raised

1.2 External Audits (e.g. by Client / BSI)

Audit-No	Date	NCRs raised	NCRs Closed-Out	% Closed	Corrective Actions
TSA-09-01 (System Eng / Integration)	28/08/2009	4	3	75%	
TQA-CEC-Princes Street/2010	20/07/2010	11	11	100%	
BSI Audit - A493292	2 - 4th November	2	2	100%	

2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	% Comp'd	Raised		Closed out		
					Total	Month	Total	Month	%
1A	66	7	0	0%	8	-	2	-	25%
1B	-	-	-	-	0	-	0	-	0%
1C	13	12	12	92%	11	-	9	-	82%
1D	31	31	29	94%	6	-	3	-	50%
2	33	22	0	0%	14	-	10	-	71%
5A	12	0	0	0%	2	1	2	1	100%
5B	59	34	1	2%	18	-	12	-	67%
5C	27	6	0	0%	7	-	4	-	57%
6	35	27	2	6%	58	8	34	7	59%
7	68	46	11	16%	11	-	8	1	73%
System NCRs (non-audit)					135	9	84	9	62%
Cancelled					10	1	10	1	100%

3. Further quality-related events during this month

(please describe shortly)

ITP document reviews are ongoing, they are being updated as required and resubmitted to tie for approval. With the cessation of works in many sections ITP's were being reviewed to getting them completed and handed over to BB for filing in the main office until such time as works recommence. BSI ISO 9001 certification audit was held on November 2/3/4. McKeans and Expanded were audited as part of the Audit Schedule, 2 minor NCR's were raised and closed as outlined in External Audit table above. Portatstor who are manufacturing the switchgear housings at their premises in York were audited, results as per table 1.1 above. McKeans have now responded to their Audit NCR's from their audit referenced above which now closes out the audit. New ITP's are currently being drafted for Bridge Parapets and Street Lighting. The project was represented at the BBUK Management Review Meeting by the Project Quality Manager

Project: **Edinburgh Tram Network**

as per: **30/11/2010**



2.12 Safety Information System - SIS

Bilfinger Berger Civil⁵ - Monthly Safety Report

0510

Month	November 2010	Prepared by						Contact phone or email
Site or office and Unit ⁵ Edinburgh Tram Project	BB¹ Managers and Supervisors	BB¹ workers	JV people	Sub-contractors³	Agency / hired people under BB control	Total	Others, eg public	
Number	42		27	218	5	292		
Hours ²	8274		5,319	31235	985	45813		
Accidents in this month (if no accidents but a previous accident person is still away from work, write in days lost but leave accident space clear)								
Fatal						0		
Serious: over 3 days off work						0		
Travelling / commuting 3D+						0		
LTI: 1 -3 days off work						0		
1st Aid only						0		
Days lost ⁶ for this months accidents and any from previous accidents						0		
Incidents								
Causing damage				3		3		
Environment Ecology / Pollution						0		
Not work related eg flood, bomb scare						0		
Near misses, hazards reported				5		5		
Details of this months Fatal, Serious accidents (3d+) or serious incidents, and any previous non-RTW accidents								
IP Name or incident location/Ref	Employer	Injury / Incident		date of acc / inc	RTW date ⁴	Wkg days lost this month/ RTW		
Return to OHS-Wi by 8th of following month		OHS-Wi email: QM@civil.Bilfinger.com			OHS-Wi fax 0049 (0)611 708 236			

1. Average number of BB staff or site workers during the month.
 2. Hours should be included if known. Do not leave boxes blank eg make an estimate or multiply number of staff by monthly hours worked eg x 200
 3. Subcontractor numbers should be estimated if no exact figure known. Average part time workers over month eg 10 workers for half a month = 5.
 4. If Return To Work (RTW) date has not yet occurred, keep name in box until RTW date known
 5. These are summary BBIB Group figures including all R&T's on site. For separate Regions or Technology Reports, please send a R&T specific report to the R&T
 6. Days lost are working days. You may have days lost to report from an old accident but no accident this month
- *Definition for a 3D+ accident includes weekends but not day of accident. You should check if man is available or fit for work during a weekend, then it may not be a 3Day+

2.13 Project Photographs



**Sorry, due to the weather conditions
are no air and ground pictures available
this month.**

3.01 Overview Movements of Contingencies

Estimated Risks from Top Sheet (Unqualified Risk Register)		estimated	dissoluted	remaining
		GBP	GBP	GBP
01.	Add. Insurances acc. CL. 76.17	10,000		10,000
02.	Liquidated Damages	464,000		464,000
03.	Interface with Railway Authorities	25,000		25,000
04.	Uninsured Economic Losses	132,500		132,500
05.	Delayed Start Of Construction Works	360,000		360,000
06.	Firm items In Value Engineering	279,500		279,500
07.	Quantity Risk Adjusted in Job Estimate 09/2008	1,000,000	292,824	707,176
08.	Corderoy's Quantities For Pavements in Sect. 5	389,000		389,000
09.	CEC Planning	25,000		25,000
10.	Road Safety Audit	250,000		250,000
11.	Network Rail	75,000		75,000
12.	Edinburgh Park	37,500		37,500
13.	Forth Ports	5,000		5,000
14.	HMRI	25,000		25,000
15.	Rails Drainage, Connections to existing drainage	70,000		70,000
16.	Tramstop	71,500		71,500
17.	Bonding and Earthing Not Priced	14,500		14,500
18.	Obstructions / Boulders (Piling And Anchoring)	30,000		30,000
19.	Settlement / Consolidation	20,000		20,000
20.	Soil Stabilization For Traffic on Embankments	100,000		100,000
21.	Reconstruction In Full Depth Of Pavement 1B	197,500		197,500
22.	Labour	40,000		40,000
23.	Staff	40,000		40,000
24.	Performance Of Utility Companies	5,000		5,000
25.	Ecology	1,000		1,000
26.	Pollution	2,000		2,000
27.	Changes In Law	30,000		30,000
28.	Legal Support	100,000		100,000
29.	Value Engineering	200,000		200,000
30.	Interpretation Of Code Of Constuction Practice	100,000		100,000
31.	Siemens/BB Scope Split	500,000		500,000
total Estimated Risks from Top Sheet (Unqualified Risk Register)		4,599,000	292,824	4,306,176
Estimated Opportunities from Top Sheet (Unqualified Risk Register)				
32.	Changes in Employers Requirements	-100,000		-100,000
33.	Package Contractors Interface	-10,000		-10,000
total Estimated Opportunities from Top Sheet (Unqualified Risk Register)		-110,000	0	-110,000
Additional Estimated Risks				
34.	Interface Systems & Civils	1,000,000	0	1,000,000
total Additional Estimated Risks		1,000,000	0	1,000,000
Estimated Escalations				
35.	Escalation - Farrans Adjusted in Job Estimate 11/2008	483,046	483,046	0
36.	Escalation total Adjusted in Job Estimate 08/2009	4,388,294	942,000	3,446,294
37.	Enhanced Labour Rate	294,000		294,000
total Additional Estimated Escalations		5,165,340	1,425,046	3,740,294
Contingencies released				
38.	Overall Adjusted in Job Estimate 10/2009	0	3,916,682	-3,916,682
total Additional Estimated Escalations		0	3,916,682	-3,916,682
total		10,654,340	5,634,552	5,019,788

3.02 Design - Drawing Status

No.	Description Status acc. Sections	Sections							Phase		Total
		SW	1	2	3	5	6	7	1a incl. SW	1b excl. SW	
Original SDS Design:											
1	Draft, to be issued for construction										
2	Issued for External Approval (IFEA), to be IFC				129						129
3	Issued for Construction (IFC)				261						261
4	Partially agreed for Construction (PAFC)										
5	Agreed for Construction (AFC)										
6	For As-Built Info Incorporation										
7	As Built										
8	Hand over										
9	Withdrawn										
10	Not to be IFC				155						155
11	IFEA, but not to be IFC				41						41
New Design for Change Order:											
21	Draft, to be issued for construction	9							12		12
22	Issued for External Approval (IFEA), to be IFC	17	178	24	-	98	1	36	354		354
23	Issued for Construction (IFC)	102	563	120	-	803	305	185	2,078		2,078
25	Agreed for Construction (AFC)										
26	For As-Built Info Incorporation										
27	As-Built										
28	Hand over										
30	Not to be IFC										
31	IFEA, but not to be IFC										
Total (1~3+5~52)		128	741	144	586	901	306	224	3,030	586	3,616
Original SDS Design:											
Issued for Construction (3+5~8+43+46)					261				261	261	261
Total Issue for Construction (1~3+5~8+41~46)					390				390	390	390
Percentage of Completion IFC					66.92%				66.92%	66.92%	66.92%
SDS Design incl. Change Orders:											
IFC incl. new Issues for CO (3+5~8+23~28+43+46)		102	563	120	261	803	305	185	2,078	261	2,339
Total IFC incl. new Issues for CO (1~3+5~8+21~28+41~46)		128	741	144	390	901	306	224	2,444	390	2,834
Percentage of Completion IFC		79.7%	76.0%	83.3%	66.9%	89.1%	99.7%	82.6%	85.0%	66.9%	82.5%
Percentage of Completion under consideration of IDR		91.6%	97.6%	98.3%	96.7%	98.9%	100.0%	97.1%	98.2%	96.7%	98.0%