

# EDINBURGH TRAM NETWORK

**Monthly Project Report**  
**March 2010**



## Monthly Report Major Projects

**Project: Edinburgh Tram Network**

**Reporting Period: March 2010**

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VST, GF, BL, PM, CCS  
BL, PM, CCS

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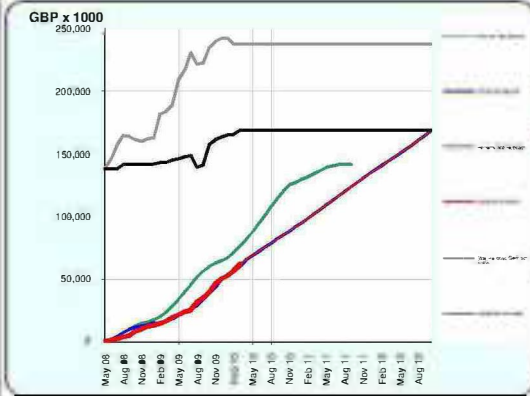
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TBA

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1.01 Project Overview Charts



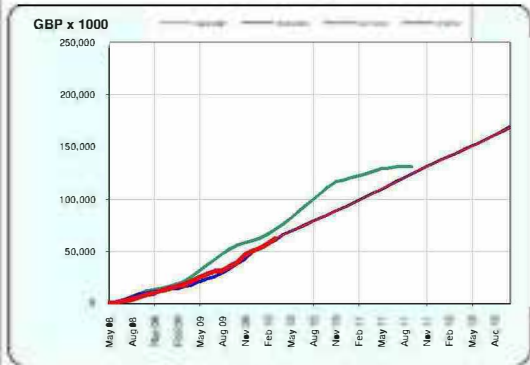
Performance

	Contract Plan (Rev.1)	Revised Plan (actual)	Forecast (actual)	Actual	Status Figures
Construction start date	15-May-08			15-May-08	
Construction end date	16-Jul-11	05-Jun-12	02-Oct-12		3.9 month
Total contract value (GBPx1000)	141,509			169,067	
Claims / Variations approved				34,786	
Claims / Variations not approved				68,603	
Performance		60,628		62,553	103.2%
Actual Cost to Date				62,564	100.0%
Result	11.07%	-0.06%	-0.06%	-0.02%	0.00%
Payment Status		72,768		72,872	100.1%
Av.Perf/mth: Rem. & act. 3mth			3,804	3,960	

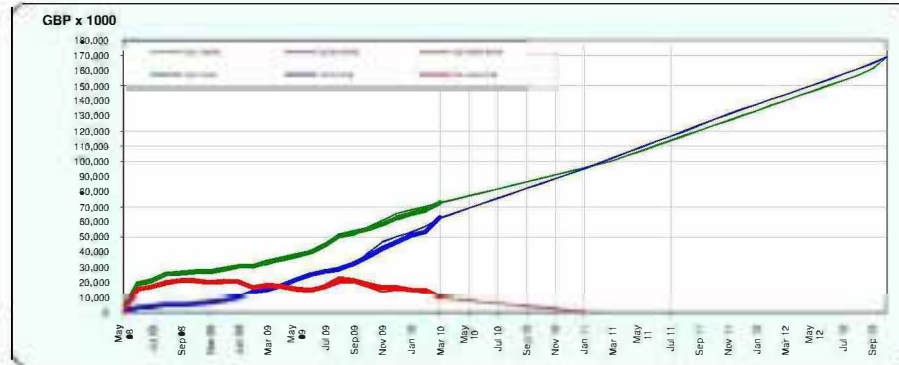
Project Key Figures



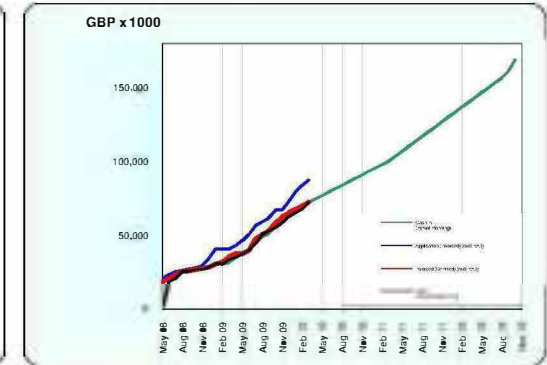
Project Result



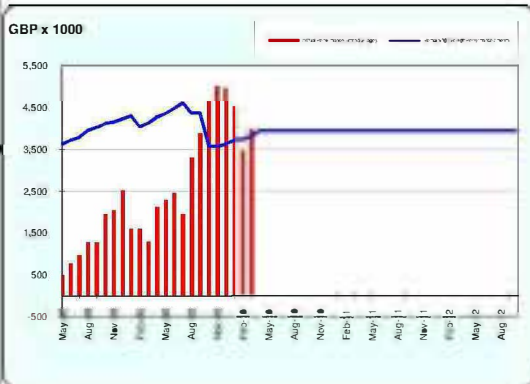
Project Cost



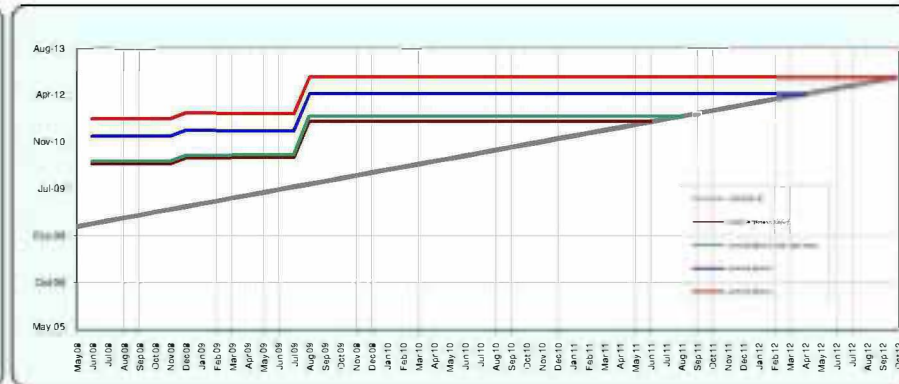
Cashflow



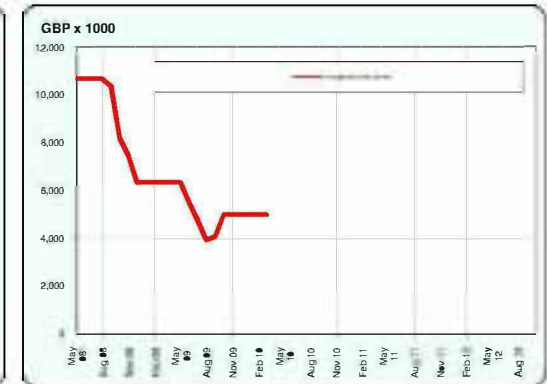
Payment Status



Remaining Performance / Resources



Milestone Trend Analysis



Contingencies vs Risks

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## 1.02 Short note on Overview Charts

<b>1.2.1</b>	<b>Performance</b>												
<p>The current policy on site is still to limit work to elements which are unaffected by change or which are the subject of acceptable instructions from the client, such that in either case payment is secure.</p> <p>Works at Lindsay Road, Haymarket Viaduct, Corridor Haymarket to Russell Road Bridge, Russell Road Retaining Wall, Balgreen Road Retaining Wall, Guided Busway, Edinburgh Park Bridge, A8 Underpass, Depot and Airport Tram Stop Section were performed on this basis. Instructed construction parts (Clause 80.15) at Tower Place Bridge, Carrick Knowe Bridge, Baird Drive Retaining Wall, Depot Access Bridge and Drainage Section 7 are ongoing on demonstrable cost basis during dispute resolution in accordance with the contract.</p>													
<b>1.2.2</b>	<b>Project Cost</b>												
<p>The main cost overrun is due to cost and resource increases mainly caused by:</p> <ul style="list-style-type: none"> <li>- subcontracts (standby claims, additional works)</li> <li>- extension of time (staff, financial, running site)</li> <li>- consultants and design works</li> <li>- insurances and bonds</li> <li>- cost for legal fees</li> </ul> <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>													
<b>1.2.3</b>	<b>Project Result (Forecast)</b>												
<p>The margin per March adds up to a cumulative result of -10,762 GBP (-0.02%).</p> <p>The forecast shows a result of -0.06% caused by the fluent situation of the project, i.e. no agreement on over 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&amp;O Sheet the project will result in a weighted margin of 7.20 %.</p> <p>To secure a low risk profile the contractual team has been strengthened to facilitate a positive outcome on the legal disputes.</p>													
<b>1.2.4</b>	<b>Payment Status</b>												
<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: 60%;">Certified net from the client:</td> <td style="text-align: right;">£72,871,764.10</td> </tr> <tr> <td>Paid net from the client:</td> <td style="text-align: right;">£72,871,764.10</td> </tr> </table>		Certified net from the client:	£72,871,764.10	Paid net from the client:	£72,871,764.10								
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Paid net from the client:	£72,871,764.10												
<b>1.2.5</b>	<b>Cashflow</b>												
<p>The ETN project cash flow as per 31 March 2010 remains cash positive. 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: 60%;">Cash in net:</td> <td style="text-align: right;">£73,553,852.49</td> <td style="width: 10%;"></td> <td style="text-align: right;">(incl. interest income)</td> </tr> <tr> <td>Cash out net:</td> <td style="text-align: right;">£63,245,916.39</td> <td></td> <td></td> </tr> <tr> <td>Cash balance net:</td> <td style="text-align: right;">£10,307,936.10</td> <td></td> <td></td> </tr> </table>		Cash in net:	£73,553,852.49		(incl. interest income)	Cash out net:	£63,245,916.39			Cash balance net:	£10,307,936.10		
Cash in net:	£73,553,852.49		(incl. interest income)										
Cash out net:	£63,245,916.39												
Cash balance net:	£10,307,936.10												
<b>1.2.6</b>	<b>Contingencies</b>												
<p>The value for in the tender estimated contingencies is stable about:</p> <p style="text-align: center;">£5,019,788.00</p> <p>(see attachment 3.01)</p>													
<b>1.2.7</b>	<b>Construction Programme</b>												
<p>Reporting is against the revised Contract Programme (Rev.1) which shows the agreed 7 1/2 weeks extension of time (06 September 2011). In November tie confirmed an initial entitlement of 9 months relief on LD's (05 June 2012) and 6 months on prolongation costs for EOT 2, which shows a total delay of 12 months (02 October 2012). Further entitlement was assessed and submitted to tie (Contract Programme Rev. 3) showing an additional delay of 16 months up to January 2014 (total delay 30 mths).</p>													



## 1.03 General Information

<b>1.3.1</b>	<b>Short note on progress, events this month</b>		
	<p><u>Mobilisation</u> : Works within section 1A1 at Lindsay Road and 1A2 at Tower Place Bridge startet.</p> <p><u>Design</u>: Production of civil and building drawings in accordance with the original design is 91% complete. In general earthworks, roads, track and structures drawings are available and drawings for the depot, 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. Production of detail drawings for structures and other areas affected by client changes is held up, pending resolution of change evaluation with the client and issue of instructions to the designer. Resolution of change evaluation is the subject of intensive effort by BB. 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 in April/May 2010.</p> <p><u>Procurement</u> : Where work is available, subcontractors are working under limited notices to proceed but all our contractors are very concerned about the impact on their works of unresolved change issues.</p> <p><u>Construction</u> : Off-Street works have continued at Haymarket Viaduct, Corridor Haymarket to Russell Road Bridge, Edinburgh Park Bridge, Guided Busway, A8 Underpass, Depot and Airport Tram Stop Section to the extent possible without taking any/low risk for unagreed changes. On-Street works startet at Lindsay Road. Works on Tower Place Bridge, Russell Road Retaining Wall, Baird Drive Retaining Wall, Balgreen Retaining Wall, Carrick Knowe Bridge, Depot Access Bridge and Drainage Section 7 are continued in accordance with partly agreed changes and the Clause 80.15 instruction by tie.</p>		
<b>1.3.2</b>	<b>Significant extraordinary events</b>		
	Date	Description	Remarks
<b>1.3.3</b>	<b>Recent important agreements with the Employer or instructions having significant consequences</b>		
	Date	Description	Remarks
<b>1.3.4</b>	<b>Status on Major Unapproved Claims / Variations / Changes</b>		
	<p>603 changes notified to date (80 by tie and 523 by Infracore).  80 of these have been superseded by further changes or withdrawn.  78 of these have a delay only impact and will not require an estimate.  Therefore there are 444 changes requiring estimates.  289 changes are submitted.  Of this 144 changes were confirmed by tie and a total of 133 change orders received.  145 changes are under review in tie.  155 estimates are to be submitted whereof 61 are awaiting design information.  20 estimates of that are proceeding currently through the internal consortium approval process.</p>		


**1.04 Performance Sheet**

1. General Information		2. Construction Period		Contract (Rev. 1)	Actual	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						
Currency:	GBP Rp. (all amounts without V.A.T.)	Total excl. Site Removal	38 month	49 month	2,796 %						
Rate of Exchange Top Sheet:	1 GBP = 1.25 EUR	Expired construction time	22.5 month	22.5 month	59 %						
	Actual: 1.12 EUR	Performance to date		62,553,066 GBP	37 %						
2. Total Contract Value		Date of Contract		Total Previous Month	March 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%	165,889,102	123.5%	3,198,220	169,067,322 125.9%					
Contract Value with 3rd Parties (without interest)			0	0.0%	0	0 0.0%					
			165,889,102	123.5%	3,198,220	169,067,322 125.9%					
3a. Provisional Sums		Date of Contract		Total Previous Month	March 2010	Total Reporting Month					
SDS Novation Agreement Provisional Sums			2,121,415	1.6%	60,585	2,182,000 1.6%					
Defined Provisional Sums			181,489	0.1%	0	181,489 0.1%					
Undefined Provisional Sums			571,483	0.4%	0	571,483 0.4%					
3b. Claims and Variations		Date of Contract		Total Previous Month	March 2010	Total Reporting Month					
Claims and Variations approved (= Total VOs Approved - 3a. Provisional Sums)			28,713,507	21.4%	3,137,635	31,851,142 23.7%					
Claims and Variations submitted but not approved yet			43,732,379	32.6%	-2,802,385	40,929,994 30.5%					
Claims and Variations under preparation			27,923,278	20.8%	-250,000	27,673,278 20.6%					
4a. Performance		Date of Contract		Total Previous Month	March 2010	Total Reporting Month					
Performance for Actual Contract Value with Client			57,382,885	34.60%	5,170,181	62,553,066 37.00%					
Performance for 3rd Parties (without interest)			0	0.00%	0	0 0.00%					
Total Performance to Date			57,382,885	34.80%	5,170,181	62,553,066 37.00%					
Remaining Performance to Date			108,486,217	65.40%		106,514,256 63.00%					
Actual Planned Performance (Planned Performance per report date - Performance Last Month)			57,382,885	34.60%	3,245,428	60,628,313 35.86%					
4b. Cost		Date of Contract		Total Previous Month	March 2010	Total Reporting Month					
Actual Cost at Reporting Date			58,103,110	35.03%	4,460,718	62,563,828 37.01%					
5. Result		Date of Contract		Total Previous Month	March 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%		10,727,704 6.47%	710,354	11,438,058 6.77%						
Actual Result at Reporting Date			-720,225 -1.26%	709,463	-10,762 -0.02%						
Forecast Result at the End of Contract			-1,557,365 -0.94%	1,454,838	-102,527 -0.06%						
Weighted Result at the End of Contract (Likely Case)			16,310,874 8.97%	-3,267,240	13,043,634 7.20%						
6. Invoices, Payment and Bank account		Date of Contract		Total Previous Month	March 2010	Total Reporting Month					
Application to the client - excl. VAT	incl. Ret. Money 0 0.00%		84,256,008 50.80%	3,493,091	87,749,099 51.90%						
Certified by the client (Invoice) - excl. VAT	incl. Ret. Money 0 0.00%		70,217,427 42.33%	2,654,337	72,871,764 43.10%						
Cash in from the client - excl. VAT	excl. Ret. Money 0 0.00%		68,063,524 41.03%	4,808,240	72,871,764 43.10%						
Cash in from 3rd Parties - excl. VAT			0 0.00%	0	0 0.00%						
Interest income			676,037 1.18%	6,051	682,088 1.09%						
Cash out (excl. VAT)			53,851,187 32.47%	9,394,729	63,245,916 37.41%						
Net Liquidity	credifline 0 0%		14,888,374 8.98%	-4,580,438	10,307,936 6.10%						
7. Subcontractor Work (incl. Design)		Date of Contract		Total Previous Month	March 2010	Total Reporting Month					
Total Portion of Subcontractor Budget	60,353,024 (incl. SDS) 44.95%		111,246,090 67.07%	3,584,167	114,832,257 67.92%						
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		Yearly Forecast					
		2006	2009	2010	2011	Performance and Result in 2008					
Jan	1,706	2,788	2,346	584	2,632	3,207	3,241	Performance	12,940,002	7.7%	
Feb	2,526	4,026	2,026	1,739	4,077	3,515	3,237	Result	2	0.00%	
Mrz	3,526	5,026	2,526	1,579	5,170	3,644	3,243	Performance and Result in 2009			
Apr	4,526	5,276	2,526	3,035	3,497	3,581	3,240	Performance	37,733,662	22.3%	
Mai	655	5,776	6,026	2,268	3,265	3,561	3,304	Result	2	0.00%	
Jun	1,355	5,776	6,526	1,052	2,049	3,270	3,647	Performance and Result in 2010			
Jul	2,375	5,776	6,526	1,331	1,531	3,244	3,580	3,534	Performance	41,436,522	24.5%
Aug	2,855	6,026	6,526	1,465	6,312	3,285	3,547	3,543	Result	0	0.00%
Sep	3,055	4,626	6,526	1,047	3,783	3,256	3,644	3,498	Performance and Result in 2011		
Okt	2,855	4,026	6,526	3,340	3,931	3,205	3,661	4,310	Performance	42,533,498	25.2%
Nov	1,535	2,526	5,026	1,725	7,288	3,277	3,576		Result	0	0.00%
Dez	1,448	1,866	1,706	2,481	3,635	3,256	3,368		Performance and Result in 2012		
Total	16,334	48,678	62,498	12,940	37,734	41,437	42,533	34,424	Performance	34,423,639	20.4%
									Result	-102,527	-0.30%
									Total Performance and Result		
									Performance	169,067,323	100.0%
									Result	-102,527	-0.06%
Edinburgh, 14/04/2010											
Place and Date	M Foerder, Project Director								Edinburgh, 14/04/10		
									Place and Date	T Vogt, Commercial 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	169,067	169,067	169,067	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-169,170	-169,170	-169,170
2	Unapproved, but in Job Site Estimate integrated Changes	3,198	2,471	1,976	2	Unapproved, but in Job Site Estimate integrated Changes			
3	<b>Total unapproved Changes</b>	<b>3,198</b>	<b>2,471</b>	<b>1,976</b>	3	<b>Total unapproved Changes</b>	<b>0</b>	<b>0</b>	<b>0</b>
4.2					4.2				
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	<b>Risks not included in JSE</b>	<b>0</b>	<b>0</b>	<b>0</b>	Σ 4.1 : 4.20	<b>Risks not included in JSE</b>	<b>0</b>	<b>0</b>	<b>0</b>
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	7,200	6,600	3,000	5.2	Interest Income	200	150	100
5.3					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	<b>Chances</b>	<b>10,625</b>	<b>9,525</b>	<b>3,000</b>	Σ 5.1 : 5.20	<b>Chances</b>	<b>2,400</b>	<b>1,150</b>	<b>100</b>
6 =1+3+4+5	<b>Forecast Final Revenue</b>	<b>182,890</b>	<b>181,063</b>	<b>174,044</b>	6 =1+3+4+5	<b>Forecast Final Costs</b>	<b>-166,770</b>	<b>-168,020</b>	<b>-169,070</b>

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue Costs Result	182,890 -166,770 16,121		
% Gross Margin based on Revenue Best Case	Revenue: 182,890	8.81%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue Costs Result		181,063 -168,020 13,044	
% Gross Margin based on Revenue Likely Case	Revenue: 181,063		7.20%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue Costs Result			174,044 -169,070 4,974
% Gross Margin based on Revenue Worst Case	Revenue: 174,044			2.86%
Gross Margin previous month (most likely case)		10.55%	8.97%	3.95%

	Project: <b>Edinburgh Tram Network</b> as per: <b>31/03/2010</b>	
<b>2.01 Cost Reconciliation Sheet</b>		
<b>see following pages</b>		







Project: GB-2006-1001AK21 Edinburgh Tram 2010\_03  
Reporting Month: 21. R-P. 03.2010

**COST RECONCILIATION & FORECAST FINAL (REMEASURED CONTRACT)**

Currency: GBP

WORK / COST CODES		TO DATE								BUDGET CONTRACT AND EXECUTION						FORECAST FINAL				
Work- / Cost Code	Description	Actual Cost	Accruals Deferrals	Actual Cost with Accruals	Actual Allow-able incl. agreed VO's	Allowable for unapproved VO's	Variance to Date	Revised DJC	Variance to Date	Budget Original WQty.	Budget Orig. Contr. with AQty.	Budget Agreed VO's AQty.	Budget unappr. VO's AQty.	Budget Total AQty.	Revised DJCt AQty.	% Complete	Cost to Complete (A-Q-I)	Forecast Final Cost	Forecast Final Variance	Projected Variance (linear)
				5=3+4		7	8=(6+7)-5	9	10= 9-5	14	15	16	17	18=15+16+17	19	20=9/19	21=19-9	22=5+21	23=18-22	24=8/20
Total Cost incl. Prime Cost Sums		57,570,779	4,993,04	62,563,828	50,384,19	1,649,21	-10,530,418	62,590,620	26,79	125,354,124	125,354,124	32,275,141	2,273,580	159,902,845	169,169,850	37.0 %	106,579,230	169,143,05	-9,240,213	-28,460,589
Prime Cost Sums 0/ 0																				
Total Cost without Prime Cost Sums		57,570,779	4,993,04	62,563,828	50,384,198	1,649,21	-10,530,418	62,590,62	26,79	125,354,124	125,354,124	32,275,141	2,273,580	159,902,845	169,169,850		106,579,230	169,143,05		

**REMEASURED CONTRACT:**

Gross Margin original Contract and agreed VO's (PF = 0.9994, PFB = 1.0726)

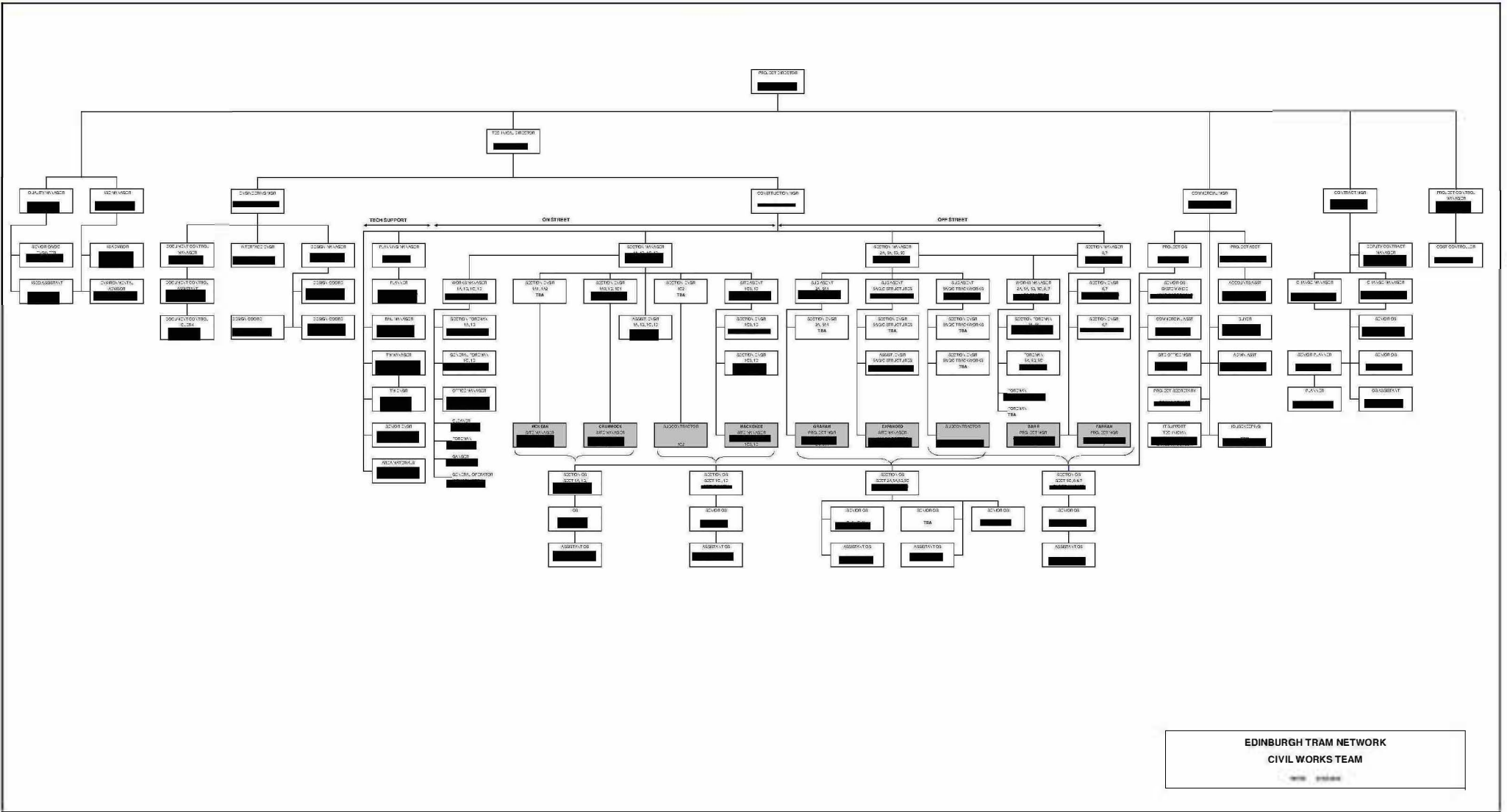
Total Cost without Prime Cost Sums		62,563,828	50,384,198			62,590,620			125,354,124	125,354,124	32,275,141			157,629,265	169,169,850			169,143,058		
Gross Margin			3,657,893			-7,554			16,154,691	8,927,085	3,510,973			11,438,058	-102,527			-75,735		
Gross Margin in % from Performance			6.77 %			-0.06 %			11.42 %	6.65 %	7.22 %			6.77 %	-0.06 %			-0.04 %		
Performance without Prime Cost Sums			54,042,091			62,553,066			141,508,815	134,281,209	34,786,114			169,067,323	169,067,323			169,067,323		
Actual Cost to date			62,563,828			62,563,828														
Gross Margin to date						-10,762														
Gross Margin to date in % of Performance						-15.77 %														
Performance Prime Cost Sums																				
Total Performance			54,042,091			62,553,066			141,508,815	134,281,209	34,786,114			169,067,323	169,067,323			169,067,323		
Revenue according WBS																				

Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0140, PFB = 1.0728)

Total Cost without Prime Cost Sums			52,033,410			62,590,620			125,354,124	125,354,124	32,275,141			2,273,580	159,902,845	169,169,850			169,143,058		
Gross Margin			3,788,032			-876,269			16,154,691						11,635,640	2,368,635			2,395,427		
Gross Margin in % of Performance			6.79 %			1.38 %			11.42 %						6.78 %	1.38 %			1.40 %		
Valued Performance without Prime Cost Sums			55,821,44			63,466,89			141,508,815	134,281,209	34,786,114			2,471,162	171,538,485	171,538,485			171,538,485		
Actual Cost to date			62,563,828			62,563,828															
Gross Margin to date						-6,742,386															
Gross Margin to date in % of Performance						-10.62 %															
Performance Prime Cost Sums (incl. valued performance)																					
Total Performance (incl. valued performance)			55,821,442			63,466,889			141,508,815	134,281,209	34,786,114			2,471,162	171,538,485	171,538,485			171,538,485		
Revenue according WBS (VO's valued)																					
Revenue according WBS (VO's valued by 100%)																					

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2.05 Organisation Chart

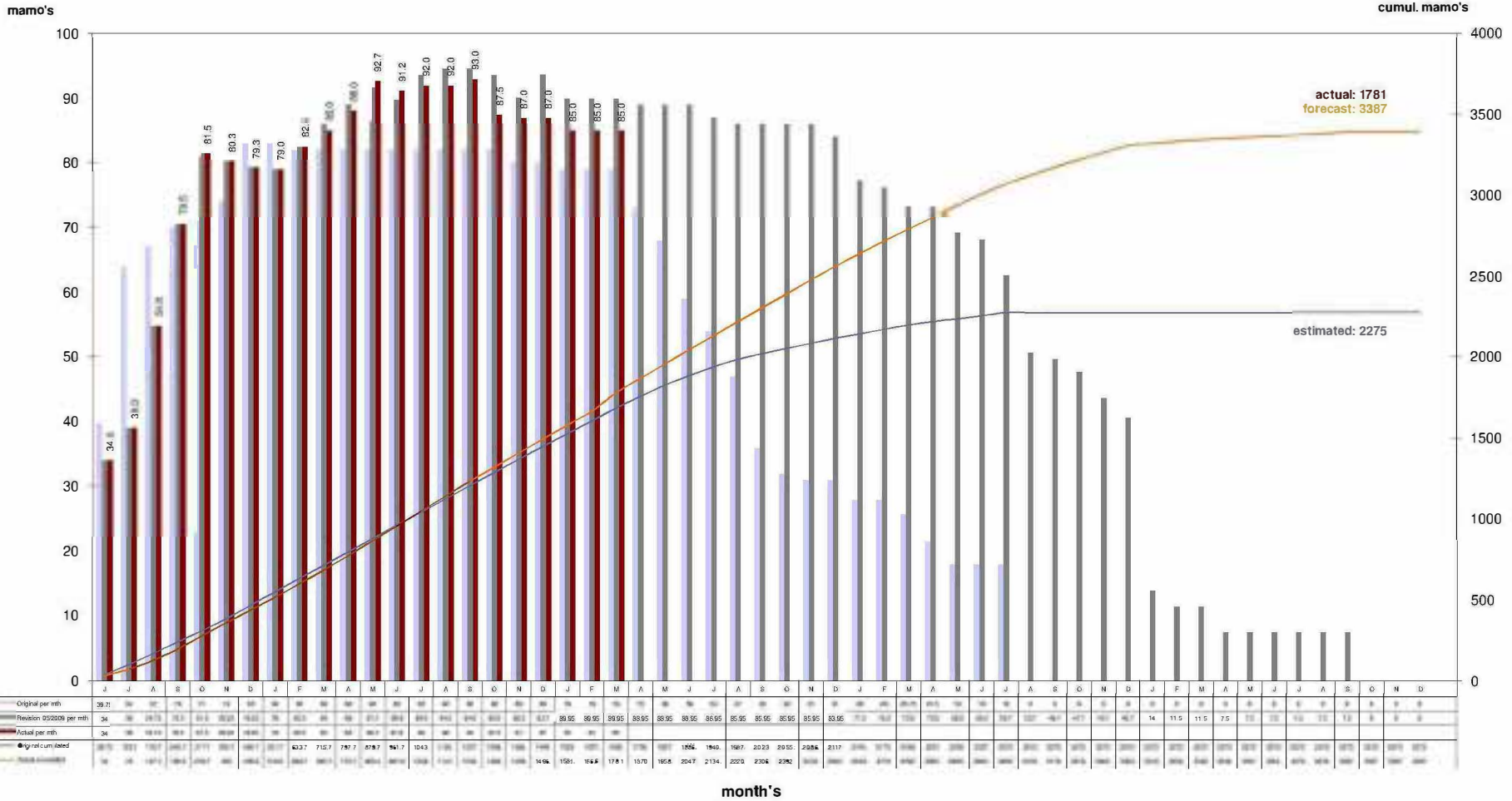


EDINBURGH TRAM NETWORK  
CIVIL WORKS TEAM

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2.06 Staff Chart

Staff mammo performance Edinburgh Tram



**2.08a Approved Change Orders**

							Estimate								
INTC	TCO	DRP	Prov Sum	Section	Activity	QS	Description	Date of Approval	Revenue	Budget for performance, design & estimate	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P/ Margin	Margin in %	Remarks
													5=1-2-3-4	6=5/1	
					66		SDS Novation Agreement Provisional Sums	28/02/10	2,182,000.00	2,182,000.00					
				IC/D	96	SSm	Works carried out under Supplemental Agreement concerning Princes Street	20/03/09	12,780,161.05	10,455,330.13		1,393,120.78	921,710.11	7.21%	
019	001			Graham	61	GAAn	Archaeological Survey to the Caley Ale House	19/09/08	5,976.61	4,430.40	775.31	327.65	443.04	7.41%	
021	002			Graham	61	GAAn	Asbestos in the Caledonian Ale House	19/09/08	6,053.64	4,487.50	785.31	332.08	448.75	7.41%	
053	003			5C	61	GAAn	TNC004-Utilities diversions & associated works	10/10/08	39,217.65	28,539.95	5,494.51	2,323.54	2,859.29	7.29%	
087	004			MSC	64/65		Duct installation at Leith Walk	22/01/09	34.00	25.00	44.63	18.81	25.50	7.41%	
059	005			Graham	61	GAAn	Notified Departure in acc. With Schedule 4 due to tie-Asbestos Survey	30/10/08	28,933.00	22,200.00	3,885.00	1,642.80	2,205.20	7.37%	
051	006			5A	misc	GAAn	TNC002-Utilities diversions & associated works	03/12/08	75,486.50	54,944.66	10,576.85	4,472.50	5,494.47	7.28%	
052	007			5B	misc	GAAn	TNC003-Utilities diversions & associated works	03/12/08	88,027.17	64,070.99	12,333.67	5,215.38	6,407.13	7.28%	
166	008			1A	31	SKY	Demolition of existing garage and fuel tanks on Ocean Drive.	03/12/08	19,560.50	14,500.00	2,537.50	1,073.00	1,450.00	7.41%	
176	009			Farrans	62	OHU	Temporary Ramps (2 no.) at Gogar Church Road Construct Car Park		7,725.08	5,622.74	1,082.38	457.69	562.21	7.28%	
237	010		LPS	Graham	61	GAAn	Move site boundary fencing at Haymarket Car Park	17/12/08	987.96	719.09	138.43	58.53	71.91	7.28%	
272	011			5B	54	GAAn	Starter Layer below Subsoil Level at Carrick Knowe	17/12/08	96,557.69	70,290.00	13,526.90	5,720.79	7,028.00	7.28%	
023	012			Graham	61	GAAn	Demolition of Access Steps to Haymarket Station Carpark	23/01/09	2,326.25	1,710.00	306.25	126.64	183.46	7.89%	
	013						see TCO4								
192	014		LPS	1B	40	SKY	Discovery of Cable & Wireless ducts - Chainage 109	22/01/09	187.35	136.36	26.25	11.10	13.64	7.28%	
048	015			SDS	66		Additional TRO Drawings as SDS Letter dated 4th July 2008	22/01/09	3,550.18	3,024.00		223.78	302.40	8.52%	
168	016			1A	31	SKY	Demolition of existing building at 33 Ocean Drive.	02/03/09	6,732.70	4,989.52	875.00	369.22	496.96	7.41%	
007	017			MSC	65		Hard standing at Haymarket Yards.	29/01/09	1,011.75	750.00	131.25	55.50	75.00	7.41%	
064	018			MSC	65/66		TNC005-urmside road Diversion - Fees for design (INF_CORR.006)	03/02/09	720.00	613.29	45.38	61.33	61.33	8.52%	
271	019			SDS	66		Road Construction Details - Construction Methodology Statements for	13/02/09	372,540.13	317,825.50		23,482.08	31,732.56	8.52%	
269	020			SDS	66		Instructions arising from Trackform Development Workshop	13/02/09	371,057.96	316,063.00		23,388.66	31,609.93	8.52%	
274	021			1M	21	SKY	Princes Street Construction Works closure to traffic during construction	13/02/09	7,522.40	5,576.28	975.56	412.64	587.63	7.41%	
050	022						not concerning								
159	023		DPS				Removal of Provisional Sum Main Contract - Relocation Ancient Monuments	12/03/09							
141	024			SDS	66		West End Tramstop - revised requirements from CEC/ie.	09/04/09	16,636.17	14,170.50		1,048.62	1,417.05	8.52%	
266	025			Depot	63	OHU	Monthly Track Monitoring Network Rail East Coast North Line / Gogar Depot	27/03/09	5,369.02	3,980.00	696.50	294.52	398.00	7.41%	
178	026			Graham	61	GAAn	Discovery of underground petrol tank at National Car Rental Site.	07/04/09	5,530.90	4,100.00	717.50	303.40	410.00	7.41%	
075	027			Farrans	62	OHU	Temporary Access Ramp from Depot	27/03/09	16,303.74	12,221.80	2,115.01	894.33	1,072.59	6.58%	
187	028			Depot	63	OHU	Additional excavated material at Depot	02/04/09	1,657,395.56	1,223,272.73	232,221.16	99,574.40	102,327.21	6.17%	
303	029						not concerning								
295	30.1		LPS	Farrans	62	OHU	Scottish Gas Networks - Trial Investigations to protect gas main at Culvert 2	29/04/09	16,430.30	11,983.64	2,305.65	941.45	1,198.35	7.29%	
364	30.2			MSC	64/65		New Manhole (M11) at Balfourie Place	12/02/10	1,498.23	1,268.19		103.23	126.81	8.46%	
216	031		LPS	1B	40	SKY	Discovery of alkathene water pipe above formation level - Chainage 265 RHS	29/04/09	618.86	458.75	80.24	33.95	45.88	7.41%	
218	032			1B	40	SKY	Discovery of 2 No. LV and 1 No. LV cables above formation level - 182 RHS.	29/04/09	295.47	218.38	38.21	16.16	22.74	7.70%	
220	033		LPS	1B	40	SKY	Discovery of Water connection pipework above formation level - 161 RHS	29/04/09	91.87	68.10	11.92	5.04	6.81	7.41%	
223	034			1B	40	SKY	Discovery of stone culvert - Chainage 100 RHS	29/04/09	1,169.22	866.79	151.69	64.14	86.60	7.41%	
225	035			1B	48	SKY	Repairs required to footpath to allow pedestrian access Chainage 170 RHS	29/04/09	329.17	239.59	46.12	19.50	23.96	7.28%	
260	036			1B	40	SKY	Relocate existing Control Box - Section 1B	29/04/09	1,274.98	945.13	165.40	69.94	94.51	7.41%	
293	037			Farrans	62	OHU	Gogar Castle Road tree felling	29/04/09	1,335.51	990.00	173.25	73.26	99.00	7.41%	
294	038			Farrans	62	OHU	Reinstate access ramp at Gogar Depot	29/04/09	9,880.34	7,132.21	1,372.95	580.56	794.62	8.04%	
296	039			Farrans	62	OHU	Formation Level of Gogarburn Bridge West Abutment	29/04/09	13,439.93	9,762.32	1,883.10	796.28	978.23	7.28%	
297	040			Farrans	62	OHU	Formation Level of Gogarburn Bridge East Abutment	29/04/09	8,466.27	6,162.01	1,186.23	501.60	616.43	7.28%	
327	041			1B	40	SKY	Dye test and camera survey at Chainage 170 RHS	29/04/09	711.82	527.66	92.31	39.05	52.77	7.41%	
328	042			1B	40	SKY	Reinstate slabbed footway following MUDFA works	29/04/09	1,386.54	1,027.83	178.81	76.06	102.78	7.41%	
003	043		LPS	Consultants	71		Instruction to proceed with road surveys.	02/06/09	89,050.01	68,011.86	11,552.08	4,884.58	6,601.19	7.41%	
257	044			SDS	66		Feasibility Study (Design Only) Forth Ports access to ADM Milling	29/04/09	1,824.82	1,384.00		102.42	138.40	8.52%	

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2.08a Approved Change Orders

							Estimate								
INTC	TCO	DRP	Prov Sum	Section	Activity	QS	Description	Date of Approval	Revenue	Budget for performance, design & estimate	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P / Margin	Margin in %	Remarks
													5=1-2-3-4	6=5/1	
195	045		LPS	1B	40	SKY	Discovery of temporary pedestrian crossing lighting ducts	29/04/09	747.69	559.42	91.11	41.40	55.91	7.48%	
193	046		LPS	1B	40	SKY	Discovery of Hydrant in kerb line - Chainage 333 RHS	29/04/09	449.22	333.00	59.28	24.64	33.30	7.41%	
164	047		LPS	1B	40	SKY	Discovery of void around existing BT Duct - Chainage 360 RHS	29/04/09	192.37	142.60	24.96	10.55	14.26	7.41%	
169	048		LPS	1C	44	SSm	Demolition of Police Box Coffee Bar - Picardy Pleice	29/04/09	10,615.92	7,869.47	1,377.16	582.34	786.95	7.41%	
330	049		LPS	1B	40	SKY	Install additional gully Chainage 250 RHS	08/05/09	2,170.14	1,579.55	304.06	128.51	157.96	7.28%	
157	050			Farrans	62	OHu	Survey of Existing Drainage (Gogar Landfill)	01/05/09	4,027.46	2,931.41	564.30		293.13	7.28%	
324	051		LPS	5C	57	GAn	A8 Underpass Phase 1 Piling Obstructions	01/05/09	4,613.58	3,420.00	598.50	253.08	342.00	7.41%	
340	052			5C	56	GAn	Edinburgh Park Bridge South Abutment Base - Existing service (cable)	01/05/09	609.69	451.95	79.09	33.44	45.21	7.42%	
390	053			5B	54	GAn	Carrick Knowe chainage 520200 to 520240 - sub-grade improvement	15/05/09	99,501.39	71,694.73	13,801.24	5,835.95	7,169.41	7.28%	
360	054			SDS	66		Alteration of Design at Forth Ports Road 6	15/05/09	11,832.54	10,164.00		752.14	1,016.40	6.52%	
361	055		LPS	5A	53	GAn	Scottish Power Utility Diversion near Murrayfield Station	05/06/09	8,689.80	6,188.55	1,217.54	514.85	768.96	8.85%	
167	056		LPS	5A	53	GAn	Accommodation Works to Wanderers Clubhouse Building at Murrayfield	25/05/09	191,050.84	141,631.46	24,785.51	10,480.73	14,163.11	7.41%	
338	057			1B	40	SKY	Remove ornamental iron balls from Groat Hill Depot	03/06/09	406.26	301.15	52.70	22.29	30.12	7.42%	
042	058			SDS	66		Delay and Disruption to Ravelston Tramstop Landscaping	01/06/09	2,409.05	2,052.00		151.85	205.20	8.52%	
392	059			5B	56	GAn	Pier 1 Base Formation - Section 5B	03/06/09	561.45	408.65	78.67	33.28	40.81	7.28%	
336	060			5SC	64		Extension to Site Office for tie/SDS personnel	02/06/09	150,000.00	120,096.08	21,016.81	8,887.11	0.00	0.00%	
349	061			TM	21	SKY	Traffic Management contingency for Emergency Utility Works	02/06/09	404.70	300.00	52.50	22.20	30.00	7.41%	
365	062			TM	21	SKY	Section 1C/1D - Additional MASS barriers on Great Stuart Street	02/06/09	915.27	678.48	118.73	50.21	67.85	7.41%	
074	063			5SC	64/65		Sewer Diversion, Gogar Landfill	08/06/09	1,433.79	1,213.64		98.74	121.38	8.46%	
350	064			Farrans	62	OHu	Protected Species mitigation measures	05/06/09	9,262.22	6,662.20	1,204.48	509.32	666.22	7.41%	
273	065			SDS 5SC	64/65/66		Gogarburn Retaining Wall W14 - Re-design Water Mains and Gas Main	07/07/09	1,156.57	991.66		77.07	96.11	8.99%	
222	066		LPS	1B	40	SKY	Discovery of valves and a hydrant fouling the new kerb line - 120 RHS	10/06/09	617.61	457.83	80.12	33.68	45.78	7.41%	
238	067			TM	21	SKY	Temporary Traffic Lights opposite Anderson Street required	04/09/09	15,084.79	11,182.21	1,956.69	827.48	1,118.21	7.41%	
243	068			SDS	66		Forth Ports Substation - lack of as-built information	10/06/09	7,824.12	6,664.50		493.17	666.45	8.52%	
352	069			TM	21	SKY	Off-peak Taxi Rank at George Street	10/06/09	2,213.71	1,641.00	287.18	121.43	164.10	7.41%	
409	070			SDS	66		Forth Ports - New construction at Ocean Drive	10/06/09	2,817.60	2,400.00		177.60	240.00	6.52%	
w/o	071						not concerning								
259	072			SDS 5B	54/66	GAn	Cycleway at Edinburgh Park Station repositioned outwith the LOD	15/06/09	52,094.65	39,609.70	5,340.56	3,221.42	3,922.91	7.53%	
171	073			Consultants	71	SKY	Contract with Faber Maunsell for Transyl and Linsig Modelling Assessments.	16/06/09	64,809.00	48,043.00	6,407.52	3,555.18	4,803.30	7.41%	
373	074		LPS	Farrans	62	OHu	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	3,269.10	2,378.47	458.05	193.69	237.89	7.28%	
371	075		LPS	Farrans	62	OHu	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	855.81	622.91	119.91	50.70	62.29	7.26%	
307	076			Graham	61	GAn	Contaminated Soil assessment at Haymarket Depot	11/06&20/08/09	54,966.59	40,761.00	7,133.18	3,016.31	4,076.10	7.41%	
439	077			SDS	66		SDS' proposed office move to Edinburgh Park - IT costs	07/07/09	26,000.00	20,756.12	3,632.32	1,535.95	2,075.61	7.41%	
203a	078			Depot	63	OHu	Structural Steelwork	15/07/09	270,372.81	196,792.25	37,882.51	16,018.89	19,679.22	7.28%	
203a	079			Depot	63	OHu	Foundations	15/07/09	47,782.16	34,778.46	6,694.86	2,830.97	3,477.85	7.28%	
449	080			5B		GAn	Restatement of Bus Link	23/07/09							CO Value not issued - to be paid on Demonstrable Cost Basis
421	081						not concerning								
419	082			TM-1C	21+3	SKY	Replace MASS barriers at St Andrews Square	14/08/09	22,896.58	16,973.00	2,970.21	1,256.00	1,697.31	7.41%	
438	083						not concerning								
279	084			SDS	66		West Pilton Tramstop	29/07/09	859.37	732.00		54.17	73.20	8.52%	
413	084		LPS	Farrans	62	OHu	Provide local protection of sewer at Chainage 711990	31/07/09	2,696.95	1,999.22	349.86	147.94	199.93	7.41%	
179	085		LPS	SDS	66		Gatehouse Works to Murrayfield Stadium Part 1	05/08/09	108,863.91	92,558.70		6,849.34	9,255.61	6.52%	
179	086		LPS	SDS	66		Gatehouse Works to Murrayfield Stadium Part 2	10/08/09	34,830.00	29,667.80		2,195.42	2,966.78	8.52%	
	088						not issued yet								
234	089		LPS	1B	40	SKY	Leith Walk (Section 1B) Groundworks - Move THUS ducts - Ch 345 - 365	11/09/09	6,562.03	4,864.37	851.24	359.96	486.43	7.41%	
202	090			Farrans	62	OHu	IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	12/08/09	13,365.47	9,730.32	1,873.04	792.05	973.02	7.28%	
472	091			SDS	66		Developed kinematic envelope (DKE) check	08/02/10	15,118.77	12,878.00		952.97	1,287.80	8.52%	
401	092			Farrans	62	OHu	Additional earthworks to western approach embankment at Gogarburn Bridge	13/06/09	36,616.19	26,651.28	5,130.31	2,169.41	2,665.13	7.28%	



**2.08a Approved Change Orders**

										Estimate						
INTC	TCO	DRP	Prov Sum	Section	Activity	QS	Description	Date of Approval	Revenue	Budget for performance, design & estimate	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P/ Margin	Margin in %	Remarks	
														5=1-2-3-4	6=5/1	
203g	093			Depot	63	OHU	Secondary Steelwork	17/08/09	2,355.96	1,714.79	330.10	139.58	171.48	7.28%		
334	094			Farrans	62	OHU	Access at New Ingleston	20/06/09	5,827.59	4,282.94	784.59	331.77	426.29	7.35%		
115	095	DRP		5B		GAn	I/C Drawing Change Carrickknowe Bridge	27/08/09							no value yet after Adjudicator's decision (DRP) rev estimate submitted	
118	096			5B	64/65		I/C Drawing Change Cathedral Lane Sub Station	31/09/09	1,229.73	1,040.91		84.73	104.09	8.46%		
407	097			Depot	63	OHU	Hard material within Gogar excavation	02/09/09	35,806.89	26,062.23	5,016.98	2,121.4	2,606.21	7.28%		
991	098			5B	56	GAn	Reference ETN002 Edinburgh Park Structure (S27) Earthworks/Foundations.	04/09/09	52,388.71	37,750.68	7,802.57	3,060.38	3,795.06	7.21%		
337	099			TM-1B	21/40/71	SKY	Tasting to carriageway at Leith Walk	04/09/09	15,452.46	11,454.75	2,004.58	847.65	1,145.48	7.41%		
146a	101						see TCO 132									
230	119	DRP		1A		SKY	I/C Drawing Changes - Tower Bridge Structure	25/02/10							CO Value not issued - referred to Dispute Resolution Procedure	
505	124						not concerning									
085	125			1A.1	31	SKY	TNC008 - Lindsay Road Retaining Wall Cost Estimate	15/01/10	484,065.00	352,329.09	67,823.35	28,679.59	35,232.91	7.28%		
436	129			TM	21	SKY	Lothian Road pedestrian disruption	25/01/10	8,640.25	6,404.93	1,120.86	473.96	640.50	7.41%		
159A	087			5B	64/65		Provisional Sum Main Contract - Relocation Ancient Monuments Abortive Costs	25/01/10	3,992.60	3,379.55		275.10	337.96	8.46%		
088	100		DPS				not concerning									
437	102			5B	58	GAn	Carrick Knowe works outwith the LOD	23/11/09	4,323.55	3,205.00	560.88	237.17	320.50	7.41%		
121	103		DPS				Urban Traffic Controls (UTC) associated with delivery of the alignment								Instruction of ProvSum - Current Value just partially (only Siemens)	
304	104			IC/D	96	S.Sm	Provisional Sum for Extra Cover for Shell Grip at Junctions	12/10/09	156,259.21	113,728.94	21,893.60	9,257.95	11,378.52	7.28%	Instruction of ProvSum - Current Value just partially	
475	105.1			5B	57	GAn	A8 Underpass - RT works - Slew 2 way and 4 way ducts	09/10/09	94,954.28	70,144.03	12,276.21	5,190.66	7,344.38	7.73%		
486	105.2			SDS	66		TRO Changes September 2009		3,430.43	2,922.00		216.23	292.20	8.52%		
362	106			5B	56	GAn	Edinburgh Park Bridge - Approach Ramps additional earthworks	09/10/09	185,000.00	134,653.18	25,920.74	10,960.71	13,465.31	7.28%		
414	107			5B/5A	21/61	SKY/GA	Sample soil relating to embankments between Russeil Road & Water of Leith	09/10/09	44,718.35	33,149.26	5,801.12	2,453.05	3,314.92	7.41%		
431	108			5B	57	GAn	Slew existing RT duct at A8 underpass	13/10/09	22,846.79	16,934.93	2,965.19	1,253.18	1,693.49	7.41%		
125	109			SDS-Graham	61/66	GAn	Unforeseen Ground Conditions at Haymarket Viaduct	22/10/09	94,317.38	68,649.54	13,215.01	5,588.06	6,864.77	7.28%		
191	110		UPS	1B	48	SKY	Discovery of concrete encased lighting cable - Chairiage 339 RHS	29/10/09	179.57	133.51	23.29	9.85	12.97	7.19%		
242	111			SDS	66		TRO Presentations by SDS to the public during September 2008	04/11/09	23,480.00	20,000.00		1,480.00	2,000.00	8.52%		
077	112			SDS-Farrans	62/66	OHU	DESIGN ONLY to Amend line of route design section 5B (Watch 5/22)	13/11/09	5,368.54	4,251.90	321.55	369.90	425.19	7.92%		
370	113			5B	56	GAn	Existing Ground levels at Edinburgh Park Bridge	23/11/09	61,851.30	47,265.35	6,932.89	2,931.62	4,721.44	7.63%		
203j	114			Depot	63	OHU	IBDI to I/C changes to depot access road	13/11/09	78,674.66	57,263.89	11,023.30	4,661.28	5,726.39	7.28%		
112	115	DRP		Graham	61	GAn	I/C Drawing Change Haymarket Viaduct	04/11/09	96,173.00	70,000.00	13,475.00	5,696.00	7,000.00	7.28%	Settlement reached during internal DRP	
001A-D	116	DRP		EOT1	64/65/67		I/C gates entered into the Schedule Part 15 (Sect 1A-1D)	04/11/09	2,225,000.00		1,415,767.50	606,757.50	202,475.00	9.10%	Settlement reached in Mediation	
315	117			Farrans		OHU	I/C Drawing Changes - Drainage - Gogarburn to Airport	10/02/10							CO Value not issued - referred to Dispute Resolution Procedure	
201	118	DRP		5C		GAn	I/C Drawing changes - Depot Access Bridge	15/02/10							CO Value not issued - referred to Dispute Resolution Procedure	
104	119	DRP		5A		GAn	I/C Drawing Change Hard Drive RTW								CO Value not issued - referred to Dispute Resolution Procedure	
	120						see TCO 138									
428	121			5B	84/85		Alteration of Drainage at Eastfield Avenue to avoid a clash with Utilities	13/11/09	1,064.74	903.64		70.74	90.36	8.49%		
	122						not issued yet									
309	123			5B	56	GAn	Edinburgh Park Bridge (S27) - South Abutment Base Formation	25/11/09	9,494.75	7,202.65	1,131.29	443.35	717.46	7.55%		
369	126			5C	57/71	GAn	Maintain Thus and C & W services and dismantle water main at A8 Underpass	17/12/09	20,324.64	14,793.87	2,847.73	1,204.18	1,478.86	7.28%		
155A	127			Farrans	62	OHU	I/C Drawing changes Gogarburn RTWs 14 A, 15A, 15B, 15C	22/12/09	141,188.67	102,765.01	19,782.21	8,365.06	10,276.58	7.28%		
282	128			Graham	61	GAn	Request for instruction to deal with Japanese Knotweed - Retaining Wall W4	22/01/10	24,282.78	18,000.58	3,150.10	1,332.04	1,800.06	7.41%		
434	130			TM	21	SKY	George Street Emergency road closure	25/01/10	1,516.30	1,124.02	196.70	83.18	112.40	7.41%		
076	131			5B	65		Gogar Depot Public Tramstop proposals GRIP options 4B & 4C2	13/01/10	50,000.00	42,589.44		3,151.62	4,258.94	8.52%		
146a	132	DRP		Graham		GAn	I/C Drawing Change Russell Road RTWs Wall 4	18/02/10	1,461,857.21	1,093,659.90	189,640.48	80,190.83	109,365.99	7.41%		
151	133.1			5B	64/65		Excavate and replace existing MD material within existing utility trenches.	22/01/10	1,065.68	902.05		73.43	90.20	8.46%		
268	133.2			5C	57	GAn	Carry out Scottish Power Diversion at Gogar Roundabout	01/02/10	70,163.35	51,857.54	9,220.92	3,899.13	5,195.76	7.39%		
367	134			Graham	61	GAn	Haymarket Station - Network Rail Access Doorway	08/02/10	2,814.68	2,086.50	365.11	154.40	208.65	7.41%		
474	135			5B	54	GAn	Additional manhole requirement - Section 5B	08/02/10	7,095.74	5,157.39	992.80	419.81	515.74	7.28%		
502	136			5B	58	GAn	Additional excavation at Carrick Knowe North Abutment	08/02/10	390.94	284.55	54.78	23.18	28.46	7.28%		

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Project: **Edinburgh Tram Network**  
 as per: **31/03/2010**



**2.08a Approved Change Orders**

INTC	TCO	DRP	Prov Sum	Section	Activity	QS	Description	Date of Approval	Estimate					Remarks				
									Revenue	Budget for performance, design & estimate	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P/ Margin		Margin in %			
088A	137		DPS	Depot	63	O/Hu	Power Supply Ducts Section 6	15/02/10	13,297.28	9,678.48	1,863.11	787.83	967.85	7.28%				
105	138	DRP		5B	58	GAn	FC Drawing Change Walgreen Road Retaining Wall	15/02/10	298,574.20	217,317.92	41,833.86	17,689.75	21,731.79	7.28%	Settlement reached during internal DRP			
517	139			Graham	61	GAn	Scottish Power Utility Diversion 5A/SP/O/05 at Russell Road Retaining Wall	22/02/10	20,005.56	14,829.92	2,595.24	1,097.41	1,482.99	7.41%				
							no issued yet											
399	141			Farrans	62	O/Hu	Addition of starter and capping layers in Section 7A	04/03/10	1,139,305.68	629,249.35	159,630.50	67,500.90	82,924.94	7.28%	Estimate provisional			
402	142			5B	54	GAn	Addition of starter and capping layers in Section 5B	03/03/10	1,048,164.36	743,019.32	170,361.35	60,481.76	74,301.93	7.09%				
403	143			5C	54	GAn	Addition of starter and capping layers in Section 5C	03/03/10	930,159.34	677,020.05	55,109.52	130,326.57	67,703.20	7.28%				
429		DRP		EOT2a	64/65/67		Issue of MUD'A Programme Revision 8	13/11/09	6,600,000.00		4,199,580.00	1,799,820.00	600,600.00	9.10%				
<b>Changes TOTALS:</b>									<b>34,786,113.12</b>	<b>20,825,546.34</b>	<b>4,216,643.09</b>	<b>3,125,977.67</b>	<b>2,510,971.63</b>	<b>7.22%</b>				

Sum=Total budget approved changed orders  
**32,275,140.60**

	DPS					Thereof Defined Provisional Sums	181,489.03
	UPS					Thereof Undefined Provisional Sums	571,482.50
	PS					Provisional Sums	752,971.53

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**2.08b Unapproved Changes**

INTC	TCO	DRP	Section	Activity	QS	Description	Assessment			Status				Working Estimate					Remarks		
							Maximum	assessed	Minimum	Submitted	Not Submitted	In principle approved but not approved	Not agreed	Revenue	Budget for performance, design & estimate	Other Prelims 17.5%	Structures 10.4%	OH&P Margin		Margin %	
203n2			Depot			Drainage - BDDI to IFC Change - Attenuation Tank	230,623.84	200,000.00	160,000.00	230,623.84			230,623.84	200,000.00	146,851.82	27,032.11	11,430.73	14,685.32	13-12/8		
203n			Depot			Cast in situ piles not shown on BDDI	200,000.00				200,000.00										
203n1			Depot			Piling to OLE Piles - IFC Drawings	390,629.37			390,629.37											
203k2			Depot			Increase in Number of OLE Bases - BDDI to IFC	69,245.16			69,245.16			69,245.16								
203l1			Depot			IFC Issue drawings for reinforcement to pit walls	10,000.00	7,500.00	5,000.00		10,000.00										
203j2			Depot			IFC Issue drawings for edge beam reinforcement changes	10,000.00	7,500.00	5,000.00		10,000.00										
203n3			Depot			IFC Issue drawings for introduction of water proof concrete	5,000.00	4,000.00	3,000.00		5,000.00										
203n4			Depot			IFC Issue drawings for installation of incoming mains	97,473.15	75,000.00	50,000.00		97,473.15										
203p1			Depot			IFC to IFC changes - attenuation tank	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	added to 203h2	
203p			Depot			IFC Issue drawings for alteration to Scottish Water valves - MUDFA works	18,272.21	15,000.00	12,000.00		18,272.21										
203q			Depot			IFC Issue drawings for earthing and bonding	10,000.00	7,500.00	5,000.00		10,000.00										
203r			Depot			IFC Issue drawings for Siemens additional containment	5,000.00	4,000.00	3,000.00		5,000.00										
203s			Depot			IFC drawing Change - revised specification for Kaba Doors	152,505.49	125,000.00	100,000.00		152,505.49										
203u1			Depot			IFC Issue drawings for Smoke Vent	5,000.00	4,000.00	3,000.00		5,000.00										
203v			Depot			IFC Drawing Change to Drainage Revision 6 - IFC to IFC	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	added to 203h1	
203w			SB			IFC Drawing changes - Roads, Streetlighting, Drainage Section 5B	766,199.71	5,957.00	5,957.00		766,199.71		5,957.00	760,242.71							
203x			SB			IFC Drawing changes - Roads, Streetlighting, Drainage Section 5C	578,005.06	114,352.00	114,352.00		578,005.06		114,352.00	463,653.06							
206			SB			IFC Drawing changes - Bankhead Tramstop	2,000.00	1,500.00	1,000.00		2,000.00										
207						Special Gas Networks - Trial Investigations to protect gas main at Culvert 2															
208			TM-1B	11-10	Sky	Leth Walk Christmas Embargo	250,037.69	150,000.00	125,655.59	250,037.69		125,655.59	124,382.10	150,000.00	111,193.41	19,458.81	8,228.32	11,119.35	8.9%	costs included in INTC295	
209						IFC Drawing changes - Midland Road to Balfour Street Tram Stops	2,000.00	1,000.00	1,000.00		2,000.00										
210						IFC Drawing changes - Road Lighting Landscaping and Drainage Sect. 1B	250,000.00	200,000.00	150,000.00		250,000.00										
211						IFC Drawing changes - Haymarket Tram Stop	2,000.00	1,500.00	1,000.00		2,000.00										
212			Graham			IFC Drawing changes - Roads, Street Lighting, Landscaping and Drainage	408,024.76	300,000.00	250,000.00		408,024.76			408,024.76							
213			Graham			IFC Drawing changes - Haymarket Station Substation	5,000.00	4,000.00	2,500.00		5,000.00										
214						Discovery of gas main at Culvert 2															
215			SB			Demolition and alteration of existing Bus Depot at Leth Walk	251,678.92	200,000.00	175,000.00		251,678.92			251,678.92							
216			Sky			Discovery of Thus ducts above formation level and failing kerb line - 250 RHS.															
217			SB			Discovery of Hydrant above formation level - Chainage 177 RHS															
218			SB			Mudra excavations containing water main and connections - 126 RHS															
219			SB			Discovery of valves and a hydrant failing the new kerb line - 120 RHS															
220			SB			Discovery of stone culvert - Chainage 100 RHS															
221			SB			Discovery of British Power cables - Chainage 90 RHS															
222			SB			Operational Design Review of Depot - changes arising	31,010.62				31,010.62			31,010.62							
223			SB			Operational Design Review of Haymarket - changes arising	30,000.00	25,000.00	22,500.00		30,000.00										
224			SB			Relocation of bus stop outside Princes Mall	1,929.31	1,500.00	1,000.00		1,929.31			1,929.31							
225			SB																		
226	119	DRP	SB			IFC Drawing Changes - Tower Bridge Structure	455,881.57		-315,687.78	455,881.57										CO issued in the value - referred to Dispute Resolution Procedure	
227			SSm			IFC Drawing Changes - Section 1C Drainage	933,883.43	750,000.00	600,000.00		933,883.43										
228			SSm			IFC Drawing Changes - Section 1C Road design	20,000.00	15,000.00	10,000.00		20,000.00										
229			SSm			IFC Drawing Changes - Section 1C Lighting layout	25,000.00	20,000.00	10,000.00		25,000.00										
230			SSm			Listed Buildings (SB) Class 1 - 100-110 Princes Street, Glasgow															
235						Options for drainage outfall consent at the Airport	3,000.00	2,500.00	2,000.00		3,000.00										costs included in INTC234
236			Farrans																		
237			Sky			Additional Trial Holes at CH145 - CH160 (Section 1 B)															
240			Sky			Removal and Reinstatement of BT Phone Box	8,267.48			8,267.48				8,267.48							
241			Delay Only			MUDFA has commenced works on Bankhead Dr preventing Infraca progress															
242			Delay Only			Building Flaming Owner Agreement - Infraca due to Court Proceedings	17,193.23	15,000.00	15,000.00		17,193.23			17,193.23	14,645.00		1,083.72	1,464.50	8.9%		
243			Delay Only			Notice of Departure due to the issue of SDS Design programme V36.															
244			Delay Only			Notice of Departure due to the issue of SDS Design programme V37.															
245			Delay Only			Notice of Departure due to the issue of SDS Design programme V38.															
246			Delay Only			Notice of Departure due to the issue of SDS Design programme V39.															
247			Sky			Leth Walk Change 100-350 road work carried out during 'embargo' period	66,032.40	55,000.00	30,000.00		66,032.40										
248			1C			IFC Drawing Changes - Section 1C OLE Layout	5,000.00	4,000.00	2,500.00		5,000.00										
249			SSm			IFC Drawing Changes - Section 1C Track Horizontal Alignment	2,500.00	2,000.00	1,500.00		2,500.00										
250			1C			IFC Drawing Changes - Section 1C Track Vertical Alignment	4,257.05	3,000.00	2,000.00		4,257.05										
251						IFC Drawing Changes - Section 1C Traffic Management															
252																					
253			1C/D			Removal of materials from central reserve on Princes Street	-5,754.89	-4,000.00	-3,000.00		-5,754.89										
254						Additional Trial Holes at Leth Walk - Chainage 146 to 160															
255						Future Paving on behalf of New Infraca Ltd and Highland Properties Ltd	1,214,800.81	1,150,000.00	1,047,953.67		1,214,800.81			1,047,953.67							

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**2.08b Unapproved Changes**

INTC	TCO	DRP	Section	Activity	QS	Description	Assessment			Status			Working Estimate					Remarks			
							Maximum	assessed	Minimum	Submitted	Not Submitted	In Progress/On Hold	Not Agreed	Revenue	Budget for design & estimate	Other Prelims	Structures %		OHP / Margin	Margin %	
			SAB			Transfer of private utility diversions from MUDFA at Edinburgh Park	2,000.00	1,500.00	1,000.00			2,000.00							13-12/8		
						Street Lighting - Height of poles	2,494.75	2,100.00	1,800.00	2,494.75			2,494.75	2,100.00	1,788.75				178.88		to be carried out by others - assessment only for abortive costs
						Edinburgh Park Bridge Structural Fill	106,526.86			106,526.86			106,526.86							no further action under this INTC-Ref.	
					SKY	Section 1D - Additional Signs on Queen Street	265.56						265.56							no further action under this INTC-Ref.	
						Additional Measures at George Street	4,815.93	4,200.00	3,500.00	4,815.93			4,815.93							no further action under this INTC-Ref.	
					SSM	Provide Carriage signs and double yellow lines on George Street	3,062.23			3,062.23			3,062.23								
						Additional Signage at George Street/Andrews Square	2,954.31			2,954.31			2,954.31								
					SSM	Replace MASS barriers at George Street, Halfway Street and Frederick Street	2,330.87			2,330.87			2,330.87								
					SSM	Trail Holes in Princes Street - Site Investigation	331,109.00	250,000.00	150,000.00			331,109.00	250,000.00	-190,000.00	33,250.00	14,060.00	12,690.00	5.08%			
						Incomplete MUDFA Works at the Princes Street/Murray Junction															
					SSM	Haymarket Junction - Underground Chamber at Clifton Terrace	125,000.00	100,000.00	75,000.00			125,000.00									
						Traffic Management - Provide Water Area Signage to Princes Street	11,898.67			11,898.67			11,898.67								
						Water Main - F.R. & R.S. and Repairs														no further action under this INTC-Ref.	
			Farrans		SKY	Gogarburn Bridge East Abutment - excess ground water	3,863.54			3,863.54			3,863.54							no further action under this INTC-Ref.	
						Demolish all Structures on Plots nos 97 and 102 near Roseburn Street	25,000.00		15,000.00			25,000.00									
					SKY	Transfer MUDFA Utility Diversions Sect. 5C-Cantilever Schedule 50BT/D/05	839.33			839.33			839.33							partly approved (see 2.08a); figures here concerning not approved part	
					SKY	Transfer MUDFA Utility Diversions Sect. 5A - Cantilever Schedule 50SR/D/05	1,678.71			1,678.71			1,678.71							partly approved (see 2.08a); figures here concerning not approved part	
					SKY	Transfer MUDFA Utility Diversions Sect. 5C-Cantilever Schedule 50TE/D/05	1,678.71			1,678.71			1,678.71							partly approved (see 2.08a); figures here concerning not approved part	
			Farrans		SKY	Gogarburn Bridge East Abutment - excess ground water	3,863.54	40,000.00	30,000.00			3,863.54	50,000.00								
			Farrans		SKY	Gogarburn Bridge East Abutment - excess ground water	601,543.44	500,000.00	400,000.00			601,543.44									
						Revise OLE foundation and layout to Section	73,526.45	65,000.00	60,000.00	73,526.45			73,526.45	65,000.00	55,366.2	4,097.10	5,536.6	8.5%			
						Redesign of OLE poles/foundations due to increased loadings - Line 2	85,723.13	75,000.00	65,000.00	85,723.13			85,723.13	75,000.00	63,884.1	4,727.43	6,388.42	8.5%			
						Amend OLE system design documents	7,643.91	7,000.00	7,000.00	7,643.91			7,643.91	7,500.00	6,388.4		8,175.5	8.2%			
			SDS			Amend site wide OLE Building fixing loads and layout drawings	7,349.24	7,000.00	7,000.00	7,349.24			7,349.24	7,000.00	6,175.4		8,175.5	8.2%			
						Combined OLE Pole/Lighting poles	55,485.59	52,500.00	50,000.00	55,485.59			55,485.59	52,500.00	44,718.01	3,309.20	4,471.89	8.5%			
						Amend OLE fixings at Depot Access Bridge	23,512.87	22,500.00	21,000.00	23,512.87			23,512.87	22,500.00	19,165.25	1,418.23	1,916.52	8.5%			
					SSM	Section 1C1D - Charities Square West End On Parking	2,954.31			2,954.31			2,954.31								
					SSM	Section 1D - Bus Gate at Shankhall Place	3,398.08			3,398.08			3,398.08								
						Section 1C1D - Saturn Street at George Street and Frederick Street	60.26			60.26			60.26							no further action under this INTC-Ref.	
					SSM	Section 1C1D - Additional Traffic Management at Princes Street	1,000.00		500.00			1,000.00									
						Section 1C - Bus Stand at Andrews Square														no further action under this INTC-Ref.	
						Section 1C - Bus Stand at Andrews Square														no further action under this INTC-Ref.	
					SSM	Section 1G1D - Production of As-Built Drawing for Princes Street Diversion	1,000.00					1,000.00									
						Access to Leith Walk from 19/09/09														no further action under this INTC-Ref.	
						Edinburgh Police Station - Approach to sub-grade														no further action under this INTC-Ref.	
						Notified Departure due to the issue of SDS Design programme V41														no further action under this INTC-Ref.	
						Notified Departure due to the issue of SDS Design programme V42														no further action under this INTC-Ref.	
						Notified Departure due to the issue of SDS Design programme V43														no further action under this INTC-Ref.	
						IFC Changes - Series 600 Earthworks Specification	100,000.00	75,000.00	50,000.00			100,000.00									
						IFC Changes - Series 1700 Structural Canopies Specification	100,000.00	75,000.00	50,000.00			100,000.00									
			Graham			Cycle provision at Haymarket Steps	5,000.00	4,000.00	2,500.00			5,000.00									
						Section 5B - Drainage Ditches	-5,573.66			-5,573.66			-5,573.66								
					SKY	Additional Retaining Wall at Tower Bridge Pumping Station	6,756.54	5,000.00	4,000.00	6,756.54			6,756.54								
			SDS			Gogar Depot Earthworks - Northern Boundary Drainage Design	10,000.00	7,500.00	5,000.00			10,000.00									
						IFC Changes - Ductwork Specification	250,000.00	225,000.00	200,000.00			250,000.00									
						(CVIS28-004)															
			Farrans			IFC Drawing Changes - Trackform	300,000.00	250,000.00	200,000.00			300,000.00									
						Depot Floor - Provide a manual bag return table	8,914.18	8,914.18	8,914.18	8,914.18			8,914.18	8,914.18	7,593.00		759.30	8.5%			
						Sample soil nailing to embankment between Russell Road & Water of Leith	44,065.77			44,065.77			44,065.77							partly approved (see 2.08a); figures here concerning not approved part	
			Depot			Depot Pumping Station, manholes and rising main	65,023.69	22,012.44	22,012.44	65,023.69			65,023.69	22,012.44	43,011.25						
						Section 5B - Drainage Ditches	-5,573.66			-5,573.66			-5,573.66								
						AA Ducting Future Proofing (Eastfield Avenue) (Design Only)	13,982.34	13,982.34	13,982.34	13,982.34			13,982.34	13,982.34	11,910.00	881.34	1,191.00	8.5%			
			Farrans			BAA Ducting Future Proofing (Eastfield Avenue)	82,448.66	82,448.66	51,017.66			82,448.66									
						Russell Road - Sample soil nailing to embankment between Russell Road & Water of Leith	44,065.77			44,065.77			44,065.77							no further action under this INTC-Ref.	

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**2.08b Unapproved Changes**

INTC	TCO	DRP	Section	Activity	QS	Description	Assessment			Status				Working Estimate					Remarks				
							Maximum	assessed	Minimum	Submitted	Not Submitted	In principle agreement but not approved	Not agreed	Revenue	Budget for performance, design & estimate	Other Prelims 17.5%	Overruns 10%	OH&P Margin		Margin %			
						Sky	Leith Walk Gyrate System	51,017.50	40,000.00	35,000.00	51,017.50			51,017.50						13-12/8			
							Phase 1A Design																
						Depot	Remove Soil Material from Sub Grade at Depot Access Road	25,000.00	25,000.00	20,000.00	36,804.03			36,804.03	25,000.00	16,196.3	3,502.8	1,481.18	1.819.6		no further action under this INTC-Ref		
						Farrans	Revise IFC HRL Drawings Section 7	25,000.00				25,000.00									no further action under this INTC-Ref		
							Bernard Street revisions sub with LOD														no further action under this INTC-Ref		
							Revisions to IFC drawings - Water of Leith Bridge														no further action under this INTC-Ref		
							Propose to increase depth of existing footpaths														no further action under this INTC-Ref		
						Delay Only	Issue of MUDFA Programme Revision 8 - EQ2a																
							Additional white lining at Haymarket Station Car Park	4,393.63	3,930.65	3,930.65	4,393.63			4,393.63									
							Sliewasting BT duct at AB underpass	4,069.98			4,069.98			4,069.98								partially approved (see 2.08a); figures here concerning not approved portion	
							Traffic management at Verity House Access Road	10,841.52	7,500.00	7,500.00	10,841.52			10,841.52								no further action under this INTC-Ref	
						SB	Traffic Management for MUDFA Works	2,000.00	1,500.00	1,000.00				2,000.00									
							Utilities conflicts within 1.2 metre clearance zone	50,000.00	30,000.00	20,000.00				50,000.00									
							Steelwork Containment	75,000.00	60,000.00	50,000.00				75,000.00									
						SA	Track Drainage - Section 5A	71,938.55	60,000.00	50,000.00	71,938.55			71,938.55									
						Delay Only	Notify Departure due to the issue of SDS Design programme V44																
						Delay Only	Notify Departure due to the issue of SDS Design programme V45																
						Delay Only	Notify Departure due to the issue of SDS Design programme V46																
							Revised OLE location due to Scottish Power - Princess Street chain 121395	3,000.00	1,500.00	1,500.00	3,000.00											no further action under this INTC-Ref	
						SDS	Change street lighting at Haymarket Terrace	2,498.86	300.00	300.00	2,498.86			2,498.86			340.72	25.21	34.2	6.0%		CO Value not issued - to be given on Demonstrable Cost Basis	
						SB	Restatement of Bus Link	4,000.00	3,000.00	3,000.00	4,197.34			4,197.34									
							BAA New Burnside Road Alignment	6,977.67	6,500.00	6,000.00	6,977.67			6,977.67	6,500.00	5,536.62							
							Stage D Drawings for Tram Stops	55,721.56	45,000.00	40,000.00	55,721.56			55,721.56									
							Work on Depot Entry															not concerning BBU/SDS	
							SB Drainage Guide Busway (IL)																
							Alterations to traffic management at Lethen Road junction	1,742.36	1,250.00	1,250.00	1,742.36			1,742.36									
							Proposed for existing Green Howwood at Edinburgh Park Centre															no further action under this INTC-Ref	
						ALL	Re-use of existing kerbs	20,000.00	15,000.00	10,000.00				20,000.00									
							Edinburgh Park Bridge - revise stone reinforcement parapets	15,000.00	12,500.00	10,000.00				15,000.00									
							Revised Junction Layouts - Section 1A															not concerning BBU/SDS	
							TRO changes - informal consultation	91,501.58	75,000.00	60,000.00				91,501.58									
							TRO changes - informal consultation - impact on IFC drawing issue	187,901.75	150,000.00	120,000.00				187,901.75									
							Forth Parts Substation - re-align	14,343.35	14,343.35	14,343.35	14,343.35			14,343.35	14,343.35	12,217.50		394.7	1,221.75	8.0%			
							Forth Parts Substation - re-align	35,656.65	25,656.65	15,656.65				35,656.65									
						SA	New Rail turning head lighting	10,000.00	5,000.00	5,000.00				10,000.00									
							Forth Parts drainage approval	13,818.57	12,000.00	10,000.00	13,818.57			13,818.57	12,000.00	10,221.46		351.3	1,022.15	8.0%			
						Farrans	Gogarburn Retaining Walls W14 and W15 - Survey and berm migration	50,000.00						50,000.00									
							Re-align of Drainage at BAA/CORC interface	3,829.00	3,829.00	3,000.00	3,829.00			3,829.00	3,829.00	3,261.50		441.5	326.15	8.0%			
							Re-align of Drainage at BAA/CORC interface	1,171.00						1,171.00									
							Design of TRO 4 Drawings															no further action under this INTC-Ref	
						Farrans	BAA Drainage at Depot	20,000.00	15,000.00	10,000.00				20,000.00									
							Underground Chamber - West Maitland Street	8,013.72	8,013.72	8,013.72				8,013.72			6,826.0	505.12					
							Underground Chamber - West Maitland Street	41,986.28	21,986.28	21,986.28				41,986.28									
						Sky	Utility Diversions associated with Lindsay Road																
						Sky	Access to Station Works - Retain Access sign at 133 Ocean Drive	10,000.00						10,000.00									
							IFC drawing changes - Section 5B - Ducting and Cable Routes	788,985.31	600,000.00	500,000.00	788,985.31			788,985.31									
							Construction of 3 new sewer protection slabs and new chamber at Lindsay Road	100,000.00	90,000.00	80,000.00				100,000.00									
							AS Underpass - BT Works - Slew 2 way and 4 way ducts	4,995.99			4,995.99			4,995.99								partially approved (see 2.08a); figures here concerning not approved portion	
							Tram Stops Development Workshop	25,000.00	20,000.00	15,000.00				25,000.00									
							Sub Station Development Workshop - changes arising	145,043.59	100,000.00	80,000.00	145,043.59			145,043.59	100,000.00	85,178.88		6,303.24	8,517.88	8.0%			
						Sky	Issued to Closeout CEC Files TAA Sign Off	2,000.00	1,500.00	1,000.00				2,000.00									
						Sky	Proposed sewer lining at Water of Leith Bridge	59,708.68	50,000.00	40,000.00	59,708.68			59,708.68									covered by INTC155
							Alford Bridge Protection (T-Guards)																
							Tower Place Bespoke Parapet																
						SDS	CEC's request for a turning head at Depot	5,812.47	5,812.00	5,000.00	5,812.47			5,812.47			4,351.00						
						SDS	CEC's request for a turning head at Depot	4,187.53	1,687.63					4,187.53									
							Changes to sub-stations arising from development workshops	25,000.00	20,000.00	15,000.00				25,000.00									
						Farrans	Culvert 1 - Excavate below formation level	25,000.00	20,000.00	15,000.00				25,000.00									

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Project: **Edinburgh Tram Network**  
 as per: **31/03/2010**



**2.09 Payment Status**

PROGRESS			INVOICE						PAYMENT				
PERIOD	PROGRESS	No.	Application	Invoiced (Accepted)	Variance Certified	ADVANCE PAYMENT %	RETENTION MONEY %	OTHERS (%)	TOTAL	DUE DATE	RECEIVED ON	excluding VAT	REMARKS
Actual Performance													
									0				
1	MONTH	500,000	21,389,899	19,100,000	-2,289,899	0	0	0	19,100,000	30/06/2008		0	
May-08	ACCLUM	500,000	21,389,899	19,100,000	-2,289,899				19,100,000			0	
2	MONTH	1,052,000	2,414,100	2,289,899	-124,201	0	0	0	2,289,899	15/07/2008	04/06/2008	19,100,000	
Jun-08	ACCLUM	1,552,000	23,803,998	21,389,899	-2,414,100				21,389,899			19,100,000	
3	MONTH	-1,552,000	-23,803,998	-21,389,899	2,414,100	0	0	0	-21,389,899	11/08/2008	04/07/2008	2,289,899	
									0			21,389,899	
4	MONTH	4,348,256	26,720,722	25,784,259	-936,463	0	0	0	25,784,259	11/09/2008	01/08/2008	4,394,360	
Aug-08	ACCLUM	4,348,256	26,720,722	25,784,259	-936,463				25,784,259		29/08/2008	25,784,259	
5	MONTH	1,046,633	971,518	739,994	-231,525	0	0	0	739,994	08/10/2008	29/09/2008	739,994	
Sep-08	ACCLUM	5,394,889	27,692,240	26,524,252	-1,167,988				26,524,252			26,524,252	
6	MONTH	3,339,638	705,826	809,079	103,253	0	0	0	809,079	14/11/2008	31/10/2008	809,079	
Oct-08	ACCLUM	8,734,527	28,398,066	27,333,331	-1,064,735				27,333,331			27,333,331	
7	MONTH	1,724,602	1,584,058	625,106	-958,953	0	0	0	625,106	22/12/2008		0	
Nov-08	ACCLUM	10,459,129	29,982,124	27,958,437	-2,023,688				27,958,437			27,333,331	
8	MONTH	2,480,873	5,108,480	1,116,659	-3,991,821	0	0	0	1,116,659	22/01/2009	08/12/2008	1,741,764	
Dec-08	ACCLUM	12,940,002	35,090,604	29,075,095	-6,015,509				29,075,095		23/12/2008	29,075,095	
9	MONTH	584,252	5,960,121	1,858,032	-4,102,089	0	0	0	1,858,032	02/03/2009	30/01/2009	1,858,032	
Jan-09	ACCLUM	13,524,254	41,050,724	30,933,127	-10,117,597				30,933,127			30,933,127	
10	MONTH	1,739,311	0	1,288,964	1,288,964	0	0	0	1,288,964	19/03/2009		0	
Feb-09	ACCLUM	15,263,565	41,050,724	32,222,091	-8,828,633				32,222,091			30,933,127	
11	MONTH	1,578,820	0	3,532,588	3,532,588	0	0	0	3,532,588	03/04 & 04/03/2009	04/03/2009	2,979,868	
Mar-09	ACCLUM	16,842,385	41,050,724	35,754,680	-5,296,045				35,754,680	17/04/2009	17/03/2009	33,912,994	
12	MONTH	3,034,909	2,429,613	2,227,854	-201,759	0	0	0	2,227,854	14/05/2009	14/04/2009	1,841,685	
Apr-09	ACCLUM	19,877,294	43,480,338	37,982,534	-5,497,804				37,982,534			35,754,680	
13	MONTH	2,268,403	3,383,746	0	-3,383,746	0	0	0	0	05/06/2009	11/05/2009	2,227,854	
May-09	ACCLUM	22,145,697	46,864,083	37,982,534	-8,881,549				37,982,534			37,982,534	
14	MONTH	2,048,589	4,050,740	2,264,088	-1,786,652	0	0	0	2,264,088	02/07/2009	03/06/2009	2,264,088	
Jun-09	ACCLUM	24,194,286	50,914,824	40,246,623	-10,668,201				40,246,623			40,246,623	
15	MONTH	1,531,274	6,303,137	7,760,338	1,457,200	0	0	0	7,760,338	27/07/2009	02/07/2009	4,560,338	invoiced: regular & Phase 1B
Jul-09	ACCLUM	25,725,560	57,217,961	48,006,960	-9,211,001				48,006,960	05/08/2009	28/07/2009	44,806,960	paid: Invoice No 18 & 19
16	MONTH	6,312,045	2,177,338	3,020,906	843,567	0	0	0	3,020,906	25/08/2009	05/08/2009	6,220,906	paid: Phase 1B
Aug-09	ACCLUM	32,037,605	59,395,299	51,027,866	-8,367,434				51,027,866	25/08/2009	25/08/2009	51,027,866	paid: Regular Invoice
17	MONTH	3,782,691	2,666,077	2,400,346	-265,731	0	0	0	2,400,346	25/09/2009		2,400,346	
Sep-09	ACCLUM	35,820,296	62,061,377	53,428,212	-8,633,165				53,428,212			53,428,212	
18	MONTH	3,930,846	5,478,014	5,379,520	-98,494	0	0	0	5,379,520	12/11/2009	27/10/2009	2,194,682	
Oct-09	ACCLUM	39,751,142	67,539,390	58,807,732	-8,731,659				58,807,732			55,622,894	
19	MONTH	7,287,813	0	4,173,384	4,173,384	0	0	0	4,173,384	11/12/2009	11/11/2009	3,184,837	
Nov-09	ACCLUM	47,038,955	67,539,390	62,981,116	-4,558,274				62,981,116			58,807,732	
20	MONTH	3,634,709	6,183,662	2,737,744	-3,445,918	0	0	0	2,737,744	14/01/2010	11/12/2009	4,173,384	
Dec-09	ACCLUM	50,673,664	73,723,052	65,718,860	-8,004,192				65,718,860			62,981,116	
21	MONTH	2,632,320	6,003,862	2,344,664	-3,659,197	0	0	0	2,344,664	10/02/2010	13/01/2010	2,737,744	
Jan-10	ACCLUM	53,305,984	79,726,914	68,063,524	-11,663,390				68,063,524			65,718,860	
22	MONTH	4,076,901	4,529,095	2,153,902	-2,375,192	0	0	0	2,153,902	16/03/2010	12/02/2010	2,344,664	
Feb-10	ACCLUM	57,382,885	84,256,008	70,217,427	-14,038,582				70,217,427			68,063,524	
23	MONTH	5,170,181	3,493,091	2,654,337	-838,753	0	0	0	2,654,337			4,808,240	
Mar-10	ACCLUM	62,553,066	87,749,099	72,871,764	-14,877,335				72,871,764			72,871,764	
												<b>72,871,764</b>	
												(w/o Advance Payment)	
												(with Advance Payment)	

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Project: **Edinburgh Tram Network**as per: **31/03/2010**

## 2.11 Monthly Report on Quality Management

### 1. Audits

#### 1.1 Internal Audits

Audit-No	Date	NCRs raised	NCRs Closed-Out	%	Corrective Actions

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

Audit-No	Date	NCRs raised	NCRs Closed-Out	%	Corrective Actions
TSA-09-01 (System Eng / Integration)	28/08/2009	4	2	50%	
TSA-09-03 (Design Assurance Process)	01/10/2009	4	3	75%	1 Observation
tie Audit Design Assurance	27+28/01/2010				Report issued currently being reviewed

### 2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	%	Raised		Closed out		
					Total	Month	Total	Month	%
<b>1A</b>	122	0	0	0%	1	0	1	0	100%
<b>1B</b>					0	0	0	0	0%
<b>1C</b>	13	12	12	92%	11	0	8	0	73%
<b>1D</b>	31	31	29	94%	4	0	2	0	50%
<b>2</b>	16	1	0	0%	4	0	3	0	75%
<b>5A</b>	12	0	0	0%	0	0	0	0	0%
<b>5B</b>	54	15	1	2%	15	2	6	0	40%
<b>5C</b>	27	2	0	0%	3	2	1	0	33%
<b>6</b>	37	20	0	0%	14	0	10	0	71%
<b>7</b>	68	10	10	15%	7	2	4	0	57%
<b>System NCRs (non-audit)</b>					59	6	35	0	59%
<b>Cancelled</b>					4	1	4	0	100%

### 3. Further quality-related events during this month

(please describe shortly)

The BSC Consortium & BB Quality Managers vacant position has been filled since 22nd February 2010 by Mr. Oliver McLoughlin. All 22 BB ITPs reviewed by tie are now 'Level A – No Objection status', whilst another 4 (from Barr) are currently with tie for review. Siemens (BAM) ITP for Track Installation is 'Level B' status and the ITP for 'OLE Pole Erection' reviewed by tie and is now Level B – with comments for Siemens to action. Princes Street completed ITPs have been handed to BB for review and signatures. A tie Audit on Princes Street ITPs is schedule for 7th April 2010 at which time they shall be reviewed in conjunction with interim as-built drawings for Princes Street. An ITP Planning Execution and Packaging Procedure has been created and is now stored on the project IMS PP79. Discussions are still ongoing and require clarification from tie/CEC in regards to introducing a three tier 'Work Site Completion Certificate' process: Interim certificate - to say works site handed over with safety concerns met; Certificate for once snagging completed since handover; and Final certificate for completion of all works. tie carried out a 'Design Assurance, System Integration & Best Value Audit' on BSC on the 28th January 2010 under the terms of Contract clause '104 Information & Audit Access'. The report has been issued and is being reviewed by BB. An Internal Audit Schedule is being drafted by the Quality Manager and should be available by mid April.

## 2.12 Safety Information System - SIS

Month	March	Prep by		Contact phone or email		
Site or office and Unit <sup>2</sup> Edinburgh Tram Network	<b>BB<sup>1</sup> Managers and Supervisors</b>	<b>BB<sup>1</sup> workers</b>	<b>JV people &amp; Sub-contractors<sup>3</sup></b>	<b>Agency / hired people under BB control</b>	<b>Total</b>	<b>Others, eg public</b>
Number	78		441	19	<b>538</b>	
Hours <sup>2</sup>	15366		69136	3743	<b>88245</b>	
<b>Accidents in this month</b> (if no accidents but a previous accident person is still away from work, write in days lost but leave accident space clear)						
Fatal					<b>0</b>	
Serious: over 3 days off work					<b>0</b>	
Travelling / commuting 3D+					<b>0</b>	
LTI: 1 -3 days off work					<b>0</b>	
1st Aid only			2		<b>2</b>	
Days lost <sup>6</sup> for this months accidents and any from previous accidents			0		<b>0</b>	
<b>Incidents</b>						
Causing damage			2		<b>2</b>	
Environment Ecology / Pollution					<b>0</b>	
Not work related eg flood, bomb scare			4		<b>4</b>	
Near misses, hazards reported			12		<b>3</b>	
<b>Details of this months Fatal, Serious accidents (3d+) or serious incidents, and any previous non-RTW accidents</b>						
IP Name or incident location/Ref	Employer	Injury / Incident	date of acc / inc	RTW date <sup>4</sup>	Days lost until RTW date	
Return to OHS- Wi by <b>8th</b> 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&amp;T's on site. For separate Regions or Technology Reports, please send a R&amp;T specific report to the R&amp;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+

4. Do not leave boxes blank, make an estimate. If Return To Work (RTW) date has not yet occurred, keep name in box until RTW date known

5. These figures are for BBIB Group use, separate returns should be made to Regions or Technical depts for their statistics &amp; close out, so duplication does not occur. See example in manual

6. All lost time or subsequent developments refer back to the month when the injury occurred

7. Counting for 3D+ accidents include weekends but days lost only count working/earning days



## 2.13 Project Photographs

see following pages

Picture 01	Section 6	Depot Building
Picture 02	Section 6	Depot Building
Picture 03	Section 5C	Works at A8 Underpass
Picture 04	Section 5B	Roadworks Crummock
Picture 05	Section 5B	Beam Lifting Carrick Knowe Bridge
Picture 06	Section 5B	Beam Lifting Carrick Knowe Bridge
Picture 07	Section 5B	Beam Lifting Carrick Knowe Bridge
Picture 08	Section 5B	Carrick Knowe Bridge with all 5 Beams
Picture 09	Section 5A	Russell Road Retaining Wall
Picture 10	Section 2A	Haymarket Viaduct







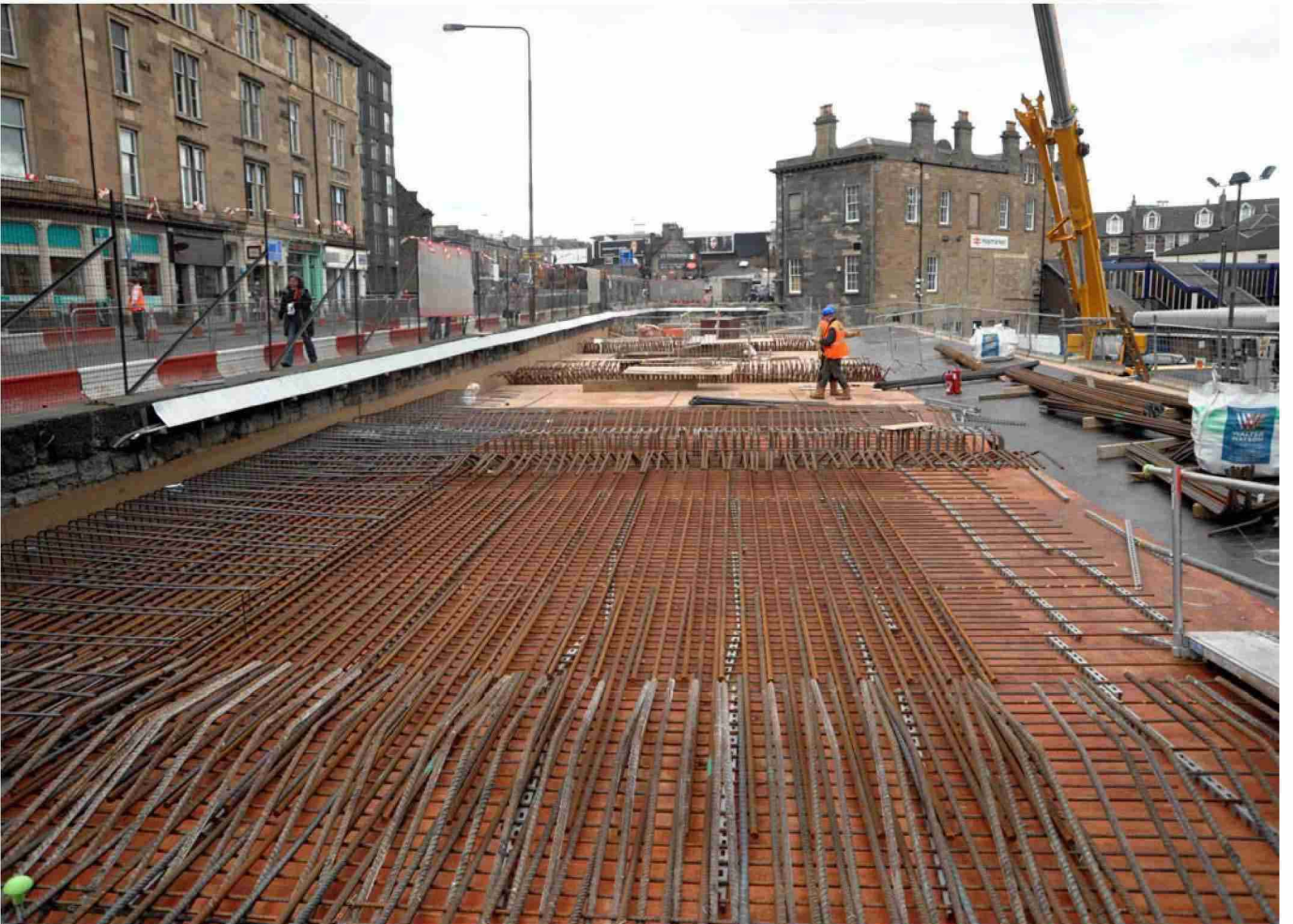














**3.01 Overview Movements of Contingencies**

<b>Estimated Risks from Top Sheet (Unqualified Risk Register)</b>		<b>estimated</b>	<b>dissoluted</b>	<b>remaining</b>
		<b>GBP</b>	<b>GBP</b>	<b>GBP</b>
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 <span style="float:right">Adjusted in Job Estimate 09/2008</span>	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
<b>total Estimated Risks from Top Sheet (Unqualified Risk Register)</b>		<b>4,599,000</b>	<b>292,824</b>	<b>4,306,176</b>
<b>Estimated Opportunities from Top Sheet (Unqualified Risk Register)</b>				
32.	Changes in Employers Requirements	-100,000		-100,000
33.	Package Contractors Interface	-10,000		-10,000
<b>total Estimated Opportunities from Top Sheet (Unqualified Risk Register)</b>		<b>-110,000</b>	<b>0</b>	<b>-110,000</b>
<b>Additional Estimated Risks</b>				
34.	Interface Systems & Civils	1,000,000	0	1,000,000
<b>total Additional Estimated Risks</b>		<b>1,000,000</b>	<b>0</b>	<b>1,000,000</b>
<b>Estimated Escalations</b>				
35.	Escalation - Farrans <span style="float:right">Adjusted in Job Estimate 11/2008</span>	483,046	483,046	0
36.	Escalation total <span style="float:right">Adjusted in Job Estimate 08/2009</span>	4,388,294	942,000	3,446,294
37.	Enhanced Labour Rate	294,000		294,000
<b>total Additional Estimated Escalations</b>		<b>5,165,340</b>	<b>1,425,046</b>	<b>3,740,294</b>
<b>Contingencies released</b>				
38.	Overall <span style="float:right">Adjusted in Job Estimate 10/2009</span>	0	3,916,682	-3,916,682
<b>total Additional Estimated Escalations</b>		<b>0</b>	<b>3,916,682</b>	<b>-3,916,682</b>
<b>total</b>		<b>10,654,340</b>	<b>5,634,552</b>	<b>5,019,788</b>



Project: **Edinburgh Tram Network**  
 as per: **31/03/2010**



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	
<b>Original SDS Design:</b>											
1	Draft, to be issued for construction	6	3	3	0	0	0	2	14	0	14
2	Issued for External Approval (IFEA), to be IFC	4	20	3	129	15	2	2	46	129	175
3	Issued for Construction (IFC)	18	254	70	261	424	40	119	925	261	1186
4	Partially agreed for Construction (PAFC)	7	207	29	0	57	0	0	300	0	300
5	Agreed for Construction (AFC)	0	0	0	0	0	0	0	0	0	0
6	For As-Built Info Incorporation	0	0	0	0	0	0	0	0	0	0
7	As Built	0	0	0	0	0	0	0	0	0	0
8	Hand over	0	0	0	0	0	0	0	0	0	0
9	Withdrawn	0	1	4	0	1	0	0	6	0	6
10	Not to be IFC	296	188	15	155	185	28	43	755	155	910
11	IFEA, but not to be IFC	95	65	7	41	48	22	22	259	41	300
<b>New Design for Change Order:</b>											
21	Draft, to be issued for construction	13	34	2	0	35	0	27	111	0	111
22	Issued for External Approval (IFEA), to be IFC	22	24	11	0	74	0	4	135	0	135
23	Issued for Construction (IFC)	9	32	6	0	74	62	10	193	0	193
25	Agreed for Construction (AFC)	0	0	0	0	0	0	0	0	0	0
26	For As-Built Info Incorporation	0	0	0	0	0	0	0	0	0	0
27	As-Built	0	0	0	0	0	0	0	0	0	0
28	Hand over	0	0	0	0	0	0	0	0	0	0
30	Not to be IFC	1	0	0	0	4	0	2	7	0	7
31	IFEA, but not to be IFC	0	22	0	0	1	1	1	25	0	25
<b>Existing Design subjected to revisions for Change Order:</b> (It is assumed that drawings issued after 1/7/09 have Change Orders incorporated.)											
41	Draft, to be rev. for CO	4	16	4	0	3	0	3	30	0	30
42	IFEA, to be rev. for CO	20	19	1	0	11	5	6	62	0	62
43	IFC, to be rev. for CO	13	116	18	0	156	46	49	398	0	398
44	Draft, revised for COs	0	0	1	0	0	0	0	1	0	1
45	IFEA, revised for COs	9	11	7	0	15	0	1	43	0	43
46	IFC, revised for COs	15	204	20	0	118	145	22	524	0	524
50	Draft, withdrawn for CO	48	0	0	0	2	0	5	55	0	55
51	IFEA, withdrawn for CO	130	6	5	0	0	0	0	141	0	141
52	IFC, withdrawn for CO	0	26	4	0	39	5	0	74	0	74
Total (1~3+5~52)		703	1041	181	586	1205	356	318	3804	586	4390
<b>Original SDS Design:</b>											
Issued for Construction (3+5~8+43+46)		46	574	108	261	698	231	190	1847	261	2108
Total Issue for Construction (1~3+5~8+41~46)		89	643	127	390	742	238	204	2043	390	2433
Percentage of Completion IFC		51.7%	89.3%	85.0%	66.9%	94.1%	97.1%	93.1%	90.4%	66.9%	86.6%
<b>SDS Design Incl. Change Orders:</b>											
IFC incl. new Issues for CO (3+5~8+23~28+43+46)		42	490	96	261	616	247	151	1642	261	1903
Total IFC incl. new Issues for CO (1~3+5~8+21~28+41~46)		133	733	146	390	925	300	245	2482	390	2872
Percentage of Completion IFC		31.6%	66.8%	65.8%	66.9%	66.6%	82.3%	61.6%	66.2%	66.9%	66.3%

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