

# EDINBURGH TRAM NETWORK

**Monthly Project Report**  
**November 2009**  
**Draft for Board Meeting 16/12/2009**



## Monthly Report Major Projects

**Project: Edinburgh Tram Network**

**Reporting Period: November 2009**

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

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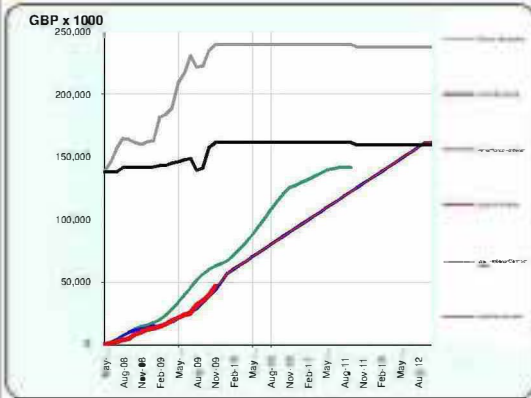
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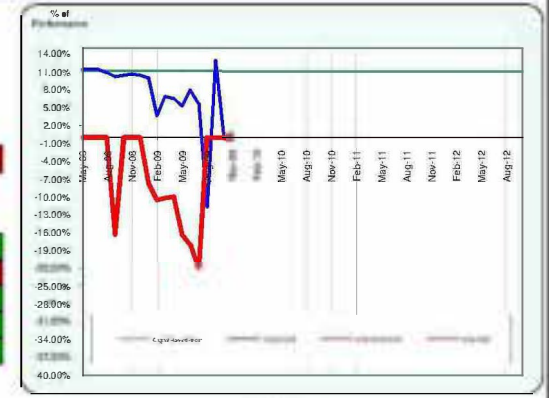
1.01 Project Overview Charts



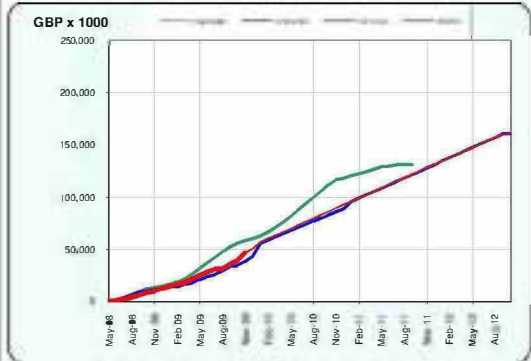
Performance

	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 <span style="background-color: red; color: white;">Fail</span>
Total contract value [GBP x 1000]	141,509			161,508	
Claims / Variations approved				25,801	
Claims / Variations not approved				78,092	
Performance		43,976		47,039	107.0% <span style="background-color: green; color: white;">Pass</span>
Result				47,186	114.3% <span style="background-color: red; color: white;">Fail</span>
Payment Status	11.07%	0.42%	0.42%	-0.31%	0.00% <span style="background-color: green; color: white;">Pass</span>
Av.Perf/mth: Rem. & act. 3mth		60,976	3,577	58,808	96.4% <span style="background-color: green; color: white;">Pass</span>

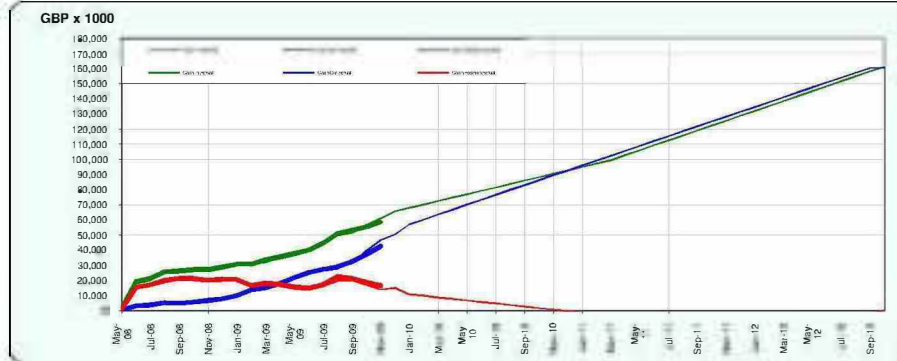
Project Key Figures



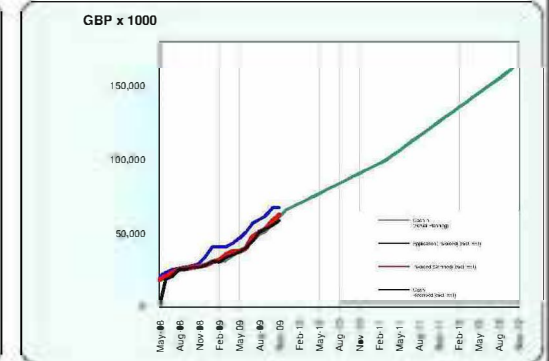
Project Result



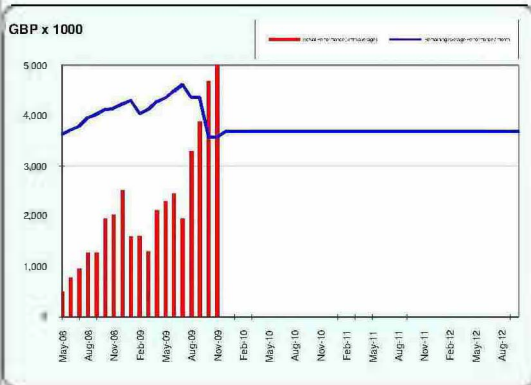
Project Cost



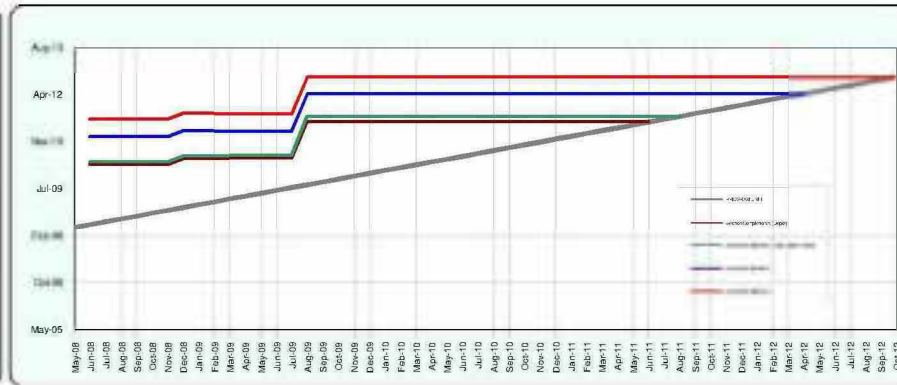
Cashflow



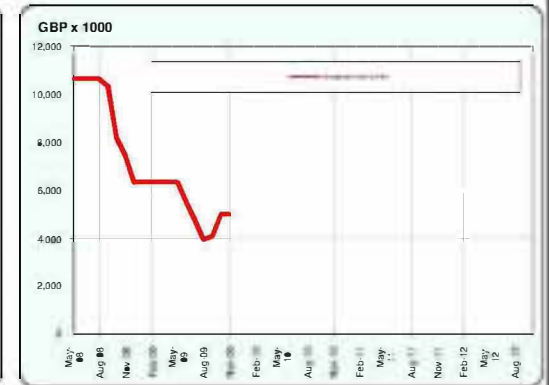
Payment Status



Remaining Performance / Resources



Milestone Trend Analysis



Contingencies vs Risks

Project: **Edinburgh Tram Network**

as per: **30/11/2009**



## 1.02 Short note on Overview Charts

### 1.2.1 Performance

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.  
Works at Edinburgh Park Bridge, Depot and Gogarburn Bridge were performed on this basis limited. Instructed construction parts (Clause 80.15) at Carrick Knowe Bridge and Russell Road Retaining Wall are ongoing on demonstrable cost basis during dispute resolution in accordance with the contract.  
Princes Street was finished (except for OLE) and handed over to tie on 29/11/2009.

### 1.2.2 Project Cost

The main cost overrun is due to cost and resource increases mainly caused by:

- subcontracts (standby claims, additional works)
- extension of time (staff, financial, running site)
- consultants and design works
- insurances and bonds
- cost for legal fees

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.

### 1.2.3 Project Result (Forecast)

The margin per November adds up to a cumulative result of -146,647 GBP (-0.31%).  
The forecast shows a result of 0.42% caused by the fluent situation of the project, i.e. no agreement on over 300 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 9.08%.  
To secure a low risk profile the contractual team has been strengthened to facilitate a positive outcome on the legal disputes. In parallel we are still negotiating with tie on a possible Supplemental Agreement on demonstrable costs for the On Street works.

### 1.2.4 Payment Status

The payments from the client tie remain in time based on the agreed invoice application before the invoice submission.  
Certified net from the client: £ 62,981,116

### 1.2.5 Cashflow

The ETN project cashflow as per 30.11.09 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.

Cash in net: £ 59,463,784 (incl. interest income) ./ net cash out £ 42,879,444 = £ 16,584,340 net cash balance

### 1.2.6 Contingencies

The value for in the tender estimated contingencies is stable about £ 5,019,788 (see attachment 3.01).

### 1.2.7 Construction Programme

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 13 months (02 October 2012). Further entitlement will be assessed on a new Contract Programme (Rev. 3), currently jointly developed with tie to be completed by January/February 2010.

**1.03 General Information**

**1.3.1 Short note on progress, events this month**

Mobilisation : Erection of Haymarket site office planned in January 2010.

Design: Production of civil and building drawings in accordance with the original design is 88% complete. In general earthworks, roads, track and structures drawings are available and drawings for the depot, substation 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.

Negotiations with SDS on an accelerated programme are close to finalisation, to achieve an completion of the design in spring 2010.

Procurement : 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.

Construction : Works on Princes Street are completed. Off-Street works have continued at Edinburgh Park Bridge, Guided Busway, Depot building and at Gogarburn Bridge to the extent possible without taking any risk for unagreed changes. Works on Russell Road Retaining Wall and Carrick Knowe Bridge continued in accordance with the Clause 80.15 instruction by tie.

**1.3.2 Significant extraordinary events**

Date	Description	Remarks

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

Date	Description	Remarks

**1.3.4 Status on Major Unapproved Claims / Variations / Changes**

523 changes have been notified to date - 67 by tie and 456 by Infraco.  
 63 of these have been superseded by further changes or withdrawn.  
 65 of these have a delay only impact and will not require an estimate.  
 Therefore there are 395 changes requiring estimates.  
 10 of these are not Bilfinger-related and are just concerning Siemens or CAF.  
 Infraco has submitted 254 changes (of the remaining 385) for design only or for design and construction works.  
 108 changes (of the 254) have been approved or partly approved by a written tie change order.  
 131 estimates are still required.  
 There are 38 estimates proceeding through the internal consortium approvals process.


**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									
	Share: 75%			Total excl. Site Removal	38 month	49 month	2,796 %									
	BILFINGER BERGER VWB GMBH			Expired construction time	18.5 month	18.5 month	49 %									
Currency:	GBP	Rp.	(all amounts without V.A.T.)	Share: 25%												
Rate of Exchange Top Sheet:	1 GBP =	1.25 EUR	Actual:	1.10 EUR	Performance to date		47,038,955 GBP	29 %								
2. Total Contract Value				Date of Contract		Total Previous Month	November 2009	Total Reporting Month								
Contract Value with Client (first evaluation)				141,508,815 (incl. SDS NovaAgree)												
Contract Value with Client (revised evaluation)				135,706,209 (incl. SDS NovaAgree)		157,987,315	116.4%	3,520,242	161,507,557	119.0%						
Contract Value with 3rd Parties (without interest)						0	0.0%	0	0	0.0%						
						157,987,315	116.4%	3,520,242	161,507,557	119.0%						
3a. Provisional Sums				Total Previous Month		November 2009	Total Reporting Month									
SDS Novation Agreement Provisional Sums				1,681,397		1.2%	243,592	1,924,989	1.4%							
3b. Claims and Variations				Total Previous Month		November 2009	Total Reporting Month									
Claims and Variations approved (= Total VOs Approved - 3a. SDS Provisional Sums)				20,599,709		15.2%	3,276,649	23,876,358	17.6%							
Claims and Variations submitted but not approved yet				51,117,061		37.7%	655,843	51,772,904	38.2%							
Claims and Variations under preparation				25,560,761		18.8%	758,237	26,318,998	19.4%							
4a. Performance				Total Previous Month		November 2009	Total Reporting Month									
Performance for Actual Contract Value with Client				39,751,142		25.16%	7,287,813	47,038,955	29.12%							
Performance for 3rd Parties (without interest)				0		0.00%	0	0	0.00%							
Total Performance to Date				39,751,142		25.16%	7,287,813	47,038,955	29.12%							
Remaining Performance to Date				118,236,173		74.84%		114,468,602	70.88%							
Actual Planned Performance (Planned Performance per report date - Performance Last Month)				39,751,142		25.16%	4,224,463	43,975,605	27.23%							
4b. Cost				Total Previous Month		November 2009	Total Reporting Month									
Actual Cost at Reporting Date				39,756,671		25.16%	7,428,931	47,185,602	29.22%							
5. Result				Date of Contract		Total Previous Month	November 2009	Total Reporting Month								
Planned Result for Contract with Client (first evaluation)				15,670,750		11.07%										
Planned Result for Contract with Client (revised evaluation)				9,868,139		7.27%	11,626,156	7.36%	117,602	11,743,758	7.27%					
Actual Result at Reporting Date						-5,529	-0.01%	-141,118	-146,647	-0.31%						
Forecast Result at the End of Contract						0	0.00%	685,062	685,062	0.42%						
Weighted Result at the End of Contract (Likely Case)						15,582,000	9.08%	270,068	15,852,068	9.08%						
6. Invoices, Payment and Bank account				Total Previous Month		November 2009	Total Reporting Month									
Application to the client - excl. VAT				incl. Ret. Money		0	0.00%	67,539,390	42.75%	0	67,539,390	41.82%				
Certified by the client (Invoice) - excl. VAT				incl. Ret. Money		0	0.00%	58,807,732	37.22%	4,173,384	62,981,116	39.00%				
Cash in from the client - excl. VAT				excl. Ret. Money		0	0.00%	55,622,894	35.21%	3,184,837	58,807,732	36.41%				
Cash in from 3rd Parties - excl. VAT						0	0.00%	0	0.00%	0	0.00%					
Interest income						649,604	1.63%	6,448	656,052	1.39%						
Cash out (excl. VAT)						37,341,147	23.64%	5,538,297	42,879,444	26.55%						
Net Liquidity				credittline		0	0%	18,931,351	11.98%	-2,347,011	16,584,340	10.27%				
7. Subcontractor Work (incl. Design)				Total Previous Month		November 2009	Total Reporting Month									
Total Portion of Subcontractor Budget				60,353,024 (incl. SDS)		44.47%	103,943,778	65.79%	3,066,170	107,009,948	66.26%					
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					
		2008	2009	2010	2011	2008	2009	2010	2011	2012	Performance and Result in 2008					
Jan			1,706	2,786	2,346		584	6,624	3,207	3,241	Performance	12,940,002	8.0%			
Feb			2,526	4,026	2,026		1,739	3,194	3,215	3,237	Result	2	0.0%			
Mrz			3,526	5,026	2,526		1,579	3,470	3,244	3,243	Performance and Result in 2009					
Apr			4,526	5,276	2,526		3,035	3,122	3,281	3,240	Performance	37,899,478	23.5%			
Mai	855	5,776	6,026	2,526		500	2,268	3,265	3,261	3,304	Result	-2	0.0%			
Jun	1,355	5,776	6,526	1,026		1,052	2,049	3,270	3,247	3,272	Performance and Result in 2010					
Jul	2,375	5,776	6,526	1,026		1,331	1,531	3,244	3,280	3,184	Performance	42,470,706	26.3%			
Aug	2,855	6,026	6,526			1,465	6,312	3,285	3,247	3,193	Result	395,791	0.9%			
Sep	3,055	4,626	6,526			1,047	3,783	3,256	3,244	3,098	Performance and Result in 2011					
Okt	2,855	4,026	6,526			3,340	3,931	3,205	3,261	350	Performance	38,833,498	24.0%			
Nov	1,535	2,526	5,026			1,725	7,288	3,277	3,176		Result	164,719	0.4%			
Dez	1,446	1,866	1,706			2,481	3,801	3,256	3,168		Performance and Result in 2012					
Total		16,334	48,678	62,498	13,999	12,940	37,899	42,471	38,833	29,364	Performance	29,363,873	18.2%			
Linear Calculation						total: 161,508					Result			124,552	0.4%	
											Total Performance and Result			Performance	161,507,557	100.0%
											Result			685,062	0.4%	
Edinburgh, 17/12/09						Edinburgh,										
Place and Date		Foerder, Project Director				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	161,508	161,508	161,508	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-160,822	-160,822	-160,822
2	Unapproved, but in Job Site Estimate integrated Changes	2,159	1,667	1,284	2	Unapproved, but in Job Site Estimate integrated Changes			
3	Total unapproved Changes	2,159	1,667	1,284	3	Total unapproved Changes	0	0	0
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	Risks not included in JSE	0	0	0	Σ 4.1 : 4.20	Risks not included in JSE	0	0	0
5.1	Back Flow of Value Engineering	2,000	1,500	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	1,100	1,000	900
5.3	NET Revenue OSSA	3,400	3,400	2,000	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	12,600	11,500	5,000	Σ 5.1 : 5.20	Chances	3,300	2,000	900
6 =1+3+4+5	Forecast Final Revenue	176,266	174,675	167,791	6 =1+3+4+5	Forecast Final Costs	-157,522	-158,822	-159,922

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue	176,266		
	Costs	-157,522		
	Result	18,744		
% Gross Margin based on Revenue Best Case	Revenue: 176,266	10.63%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue		174,675	
	Costs		-158,822	
	Result		15,852	
% Gross Margin based on Revenue Likely Case	Revenue: 174,675		9.08%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue			167,791
	Costs			-159,922
	Result			7,869
% Gross Margin based on Revenue Worst Case	Revenue: 167,791			4.69%
Gross Margin previous month (most likely case)		6.99%	-0.27%	-11.23%

	Project: <b>Edinburgh Tram Network</b> as per: <b>30/11/2009</b>	
<b>2.01 Cost Reconciliation Sheet</b>		
<b>see following pages</b>		



Project: GB-2006-1001AK17 Edinburgh Tram 2009\_11  
Reporting Month: 17. R-P. 11.2009

**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 5=3+4	Actual Allowable incl. agreed VO's	Allowable for unapproved VO's 7	Variance to Date 8=(6+7)-5	Revised DJC 10(X)DJC-Rate 9	Variance to Date 10= 9-5	Budget Original Qty. 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 DJC AQty. 19	% Complete 20=9/19	Cost to Complete (A-Q-I-Q) 21=19-9	Forecast Final Cost 22=5+21	Forecast Final Variance 23=18-22	Projected Variance (linear) 24=8/20
<b>Evaluation with Activity Model: Rev.3_20090308</b>																				
25.1.201.42	Section 1 - Site Cost	141,590	8,085	149,675	190,486	0	40,811	190,486	40,811	3,135,322	3,135,322	0	0	3,135,322	2,935,322	6.49 %	2,744,836	2,894,511	240,811	40,811
25.1.201.48	Section 1 - Small Subcontracts - TBA	0	0	0	240	0	240	240	240	320,806	320,806	373	0	321,179	321,178	0.07 %	320,938	320,938	241	240
25.1.201.09	Section 1 - Sectionwide	141,590	8,085	149,675	190,226	0	41,051	190,226	41,051	3,456,128	3,456,128	37	0	3,456,501	3,256,501	5.88 %	3,065,775	3,215,450	241,051	41,051
25.1.201.31	Section A1+A2 - TBA	50,000	-7,000	43,000	0	0	-43,000	43,000	0	7,376,522	7,376,522	19,490	0	7,396,012	7,396,012	0.58 %	7,353,012	7,396,012	0	-43,000
25.1.201.32	Section A3 - TBA	0	0	0	0	0	0	0	0	2,257,643	2,257,643	0	0	2,257,643	2,257,643	0.00 %	2,257,643	2,257,643	0	0
25.1.201.10	BB Sub-Section 1 A	50,000	-7,000	43,000	0	0	-43,000	43,000	0	9,634,166	9,634,166	19,490	0	9,653,656	9,653,655	0.45 %	9,610,655	9,653,655	0	-43,000
25.1.201.40	Section 1 B (MainSub Crummock)	405,333	100,873	506,206	334,696	158,740	-12,770	506,207	3,948,145	3,948,145	12,964	158,740	4,119,849	3,981,798	12.71 %	3,475,591	3,981,797	138,052	-100,472	
25.1.201.11	BB Sub-Section 1 B	405,333	100,873	506,206	334,696	158,740	-12,770	506,207	3,948,145	3,948,145	12,964	158,740	4,119,849	3,981,798	12.71 %	3,475,591	3,981,797	138,052	-100,472	
25.1.201.43	Section 1C1 - TBA	0	0	0	0	0	0	0	0	1,086,641	1,086,641	11,788	0	1,098,429	1,098,429	0.00 %	1,098,429	1,098,429	0	0
25.1.201.44	Section 1C2 - TBA	13,118	0	13,118	13,118	0	0	13,118	0	4,335,508	4,335,508	20,987	0	4,356,495	4,356,495	0.30 %	4,343,377	4,356,495	0	0
25.1.201.45	Section 1C3	125,000	1,138,500	1,263,500	1,015,143	125,000	-123,357	1,263,500	0	0	0	125,000	1,140,143	1,263,500	100.00 %	0	1,263,500	-123,357	-123,357	
25.1.201.12	BB Sub-Section 1C	138,118	1,138,500	1,276,618	1,028,261	125,000	-123,357	1,276,618	5,422,148	5,422,148	1,047,919	125,000	6,595,067	6,718,424	19.00 %	5,441,801	6,718,424	-123,357	-123,357	
25.1.201.52	Section 1D MacKenzieSect	63,507	65,000	128,507	26,757	65,000	-36,750	98,606	-29,901	2,998,744	2,998,744	-860,625	179,152	2,317,271	2,662,436	3.70 %	2,563,830	2,692,337	-375,066	-36,750
25.1.201.96	SupplAcree Princes Street	7,235,637	1,635,773	8,871,410	8,865,870	0	-5,540	8,865,870	-5,540	1,063,542	1,063,542	7,916,057	0	8,979,599	8,979,599	98.73 %	113,729	8,985,139	-5,540	-5,611
25.1.201.13	BB Sub-Section 1D	7,399,144	1,700,773	8,999,917	8,892,627	65,000	-42,291	8,964,476	-35,441	4,062,286	4,062,286	7,055,43	179,152	11,296,871	11,642,036	77.00 %	2,677,560	11,677,477	-380,607	-42,361
25.1.201.53	Site Cost/Remaining Works BB - TBA	883,441	18,637	902,078	261,950	0	-440,128	717,127	15,049	855,828	855,828	0	0	855,828	1,421,180	50.48 %	704,053	1,406,131	-550,303	-872,231
25.1.201.54	SubNN - TBA	471,583	49,296	520,879	213,370	0	-307,509	520,879	-15,008	4,856,641	4,856,641	260,215	0	4,916,856	5,182,970	9.76 %	4,677,099	5,197,978	-281,122	-307,509
25.1.201.55	SubNN - TBA	14,409	0	14,409	0	0	-14,409	0	-14,409	2,402,044	2,402,044	0	0	2,402,044	2,402,044	0.00 %	2,402,044	2,416,453	-14,409	-14,409
25.1.201.56	S77 Edinburgh Park Station Bridge	4,678,577	199,019	4,877,596	3,575,221	0	-1,302,375	4,846,417	-31,179	4,674,535	4,674,535	178,738	0	4,853,273	6,085,066	79.64 %	1,238,649	6,116,245	-1,262,972	-1,635,328
25.1.201.57	S2&A8 Underpass	562,119	80,695	642,814	374,118	0	-268,696	690,801	47,98	4,804,432	4,804,432	106,352	0	4,910,784	5,313,859	13.00 %	4,622,858	5,265,672	-354,888	-2,066,892
25.1.201.58	Sub Structures/Substitutions - TBA	937,029	-271,998	665,031	435,915	0	-229,116	575,835	-89,196	6,078,372	6,078,372	3,205	0	6,081,577	6,203,726	9.28 %	5,827,891	6,292,922	-211,345	-229,116
25.1.201.14	BB Sub-Section 5 A/B/C	7,347,158	75,648	7,422,806	4,860,574	0	-2,562,232	7,336,051	-86,753	23,471,853	23,471,853	548,500	0	24,020,362	26,608,645	27.57 %	19,712,991	26,695,400	-3,072,409	-5,125,488
25.1.201.61	Section 2&5A (Main Sub Graham)	208,310	886,856	1,095,166	582,567	5,561	-298,728	789,860	-96,996	20,024,409	20,024,409	416,416	5,561	20,446,388	20,708,119	3.81 %	19,918,259	20,805,115	-358,728	-298,728
25.1.201.62	Section 5C&7 (Main Sub Farness)	2,029,714	209,301	2,239,015	1,771,106	93,215	-374,694	2,206,268	-32,74	5,738,972	5,738,972	111,025	93,215	5,943,212	6,414,490	34.40 %	4,208,222	6,447,237	-504,025	-1,069,221
25.1.201.63	Section 6 (Main Sub Hart)	3,494,321	535,377	4,029,698	3,897,381	18,191	-114,120	4,001,483	-28,215	13,932,200	13,932,200	1,543,864	18,119	15,494,261	16,452,685	24.32 %	12,451,202	16,480,900	-986,639	-469,243
25.1.201.15	Package Subcontractor	6,202,580	952,987	7,155,567	6,251,056	116,971	-787,539	6,997,612	-457,957	39,695,581	39,695,581	1,071,000	116,971	41,883,854	43,575,294	16.06 %	36,577,682	43,733,249	-1,849,391	-1,857,198
25.1.201.31	Temporary Traffic Management - TBA	1,967,633	262,165	2,229,798	929,306	41,598	-1,258,894	2,278,228	48,430	2,765,570	2,765,570	417,950	41,598	3,225,118	4,532,442	50.26 %	2,254,214	4,484,012	-1,258,894	-2,504,763
25.1.201.22	Street Lighting - TBA	0	0	0	0	0	0	0	0	1,130,224	1,130,224	-10,267	0	1,119,957	1,130,224	0.00 %	1,130,224	1,130,224	-10,267	0
25.1.201.23	Landscaping - TBA	0	0	0	0	0	0	0	0	150,000	150,000	0	0	150,000	150,000	0.00 %	150,000	150,000	0	0
25.1.201.16	Construction Overall	1,967,633	262,165	2,229,798	929,306	41,598	-1,258,894	2,278,228	48,430	4,045,794	4,045,794	0	41,599	4,495,076	5,812,666	39.19 %	3,334,438	5,764,236	-1,269,160	-2,504,763
25.1.201.01	Construction	2,355,557	4,232,032	6,587,589	22,487,244	507,311	-4,789,034	27,592,917	-490,67	93,736,101	93,736,101	11,163,675	621,46	105,521,238	111,249,018	24.80 %	83,656,101	111,439,691	-5,918,452	-9,755,586
25.1.201.64	Site Installation/ Running Costs ..	1,885,544	152,837	2,038,381	1,589,226	17,001	-232,154	1,772,216	-66,165	1,988,002	1,988,002	1,344,580	0	3,359,269	4,108,098	43.14 %	2,335,882	4,174,263	-814,994	-538,136
25.1.201.65	Staff	8,876,892	193,466	9,070,358	10,076,644	96,639	1,103,125	9,137,375	67,211	13,241,334	13,241,334	6,695,837	148,911	20,086,082	22,452,606	40.70 %	13,315,231	22,385,389	-2,299,307	2,710,381
25.1.201.66	Design And Engineering	5,838,873	424,597	6,263,470	4,914,791	581,575	-767,104	6,217,609	-45,861	3,308,815	3,308,815	2,792,507	704,319	6,805,641	8,033,406	77.40 %	1,815,797	8,079,267	-1,273,626	-991,090
25.1.201.67	Insurances, Bonds, Interests	-232,842	61,018	-171,824	1,570,045	24,945	1,766,811	-161,071	10,751	2,552,277	2,552,277	1,798,213	38,97	4,387,467	5,747,135	-2.80 %	5,908,206	1,798,213	1,348,915	1,766,811
25.1.201.68	Tender Costs	1,148,541	-604,766	543,775	543,775	0	0	543,775	0	543,775	543,775	0	0	543,775	543,870	100.00 %	0	543,775	0	0
25.1.201.71	Consultants	1,441,055	416,997	1,858,052	712,500	0	-1,145,552	1,734,480	-123,572	589,297	589,297	132,917	0	722,214	3,688,576	47.28 %	1,934,096	3,792,148	-3,069,934	-2,422,910
25.1.201.02	Overhead	18,757,864	644,149	19,402,013	19,406,982	720,162	1,686,820	19,244,479	-457,534	22,223,501	22,223,501	12,762,054	0	35,904,441	44,553,690	43.19 %	25,309,211	44,711,224	-8,806,775	525,058
25.1.201.72	Risks/Opportunities/Escalation	0	0	0	0	0	0	0	0	9,878,470	9,878,470	0	0	9,878,470	5,019,788	0.00 %	5,019,788	5,019,788	4,858,682	0
25.1.201.03	Contingencies	0	0	0	0	0	0	0	0	9,878,470	9,878,470	0	0	9,878,470	5,019,788	0.00 %	5,019,788	5,019,788	4,858,682	0
<b>Total</b>		<b>41,894,225</b>	<b>4,876,181</b>	<b>47,185,601</b>	<b>41,894,225</b>	<b>1,227,474</b>	<b>-4,063,901</b>	<b>46,837,396</b>	<b>-348,206</b>	<b>125,838,071</b>	<b>125,838,071</b>	<b>23,925,729</b>	<b>1,540,358</b>	<b>151,304,157</b>	<b>160,822,495</b>	<b>29.12 %</b>	<b>113,985,091</b>	<b>161,170,701</b>	<b>-9,866,544</b>	<b>-9,230,528</b>

Project: GB-2006-1001AK17 Edinburgh Tram 2009\_11  
Reporting Month: 17. R.-P. 11.2009

**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 5=3+4	Actual Allowable incl. agreed VO's	Allowable for unapproved VO's 7	Variance to Date 8=(6+7)-5	Revised DJC 10=11-DJC-Rate 9	Variance to Date 10= 9-5	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 DJC AQty. 19	% Complete 20=9/19	Cost to Complete (AQty-19) 21=19-9	Forecast Final Cost 22=5+21	Forecast Final Variance 23=18-22	Projected Variance (linear) 24=18/20
Total Cost Incl. Prime Cost Sums		42,309,421	4,876,181	47,185,602	41,894,334	1,227,516	-4,063,751	46,837,554	-348,048	125,838,070	125,838,070	23,925,729	1,540,358	151,304,157	160,822,495	29.1 %	113,984,941	161,170,543	-9,866,388	-13,964,784
Prime Cost Sums 0 / 0																				
Total Cost without Prime Cost Sums		42,309,421	4,876,181	47,185,602	41,894,334	1,227,516	-4,063,752	46,837,554	-348,048	125,838,070	125,838,070	23,925,729	1,540,358	151,304,157	160,822,495		113,984,941	161,170,543		

**REMEASURED CONTRACT:**

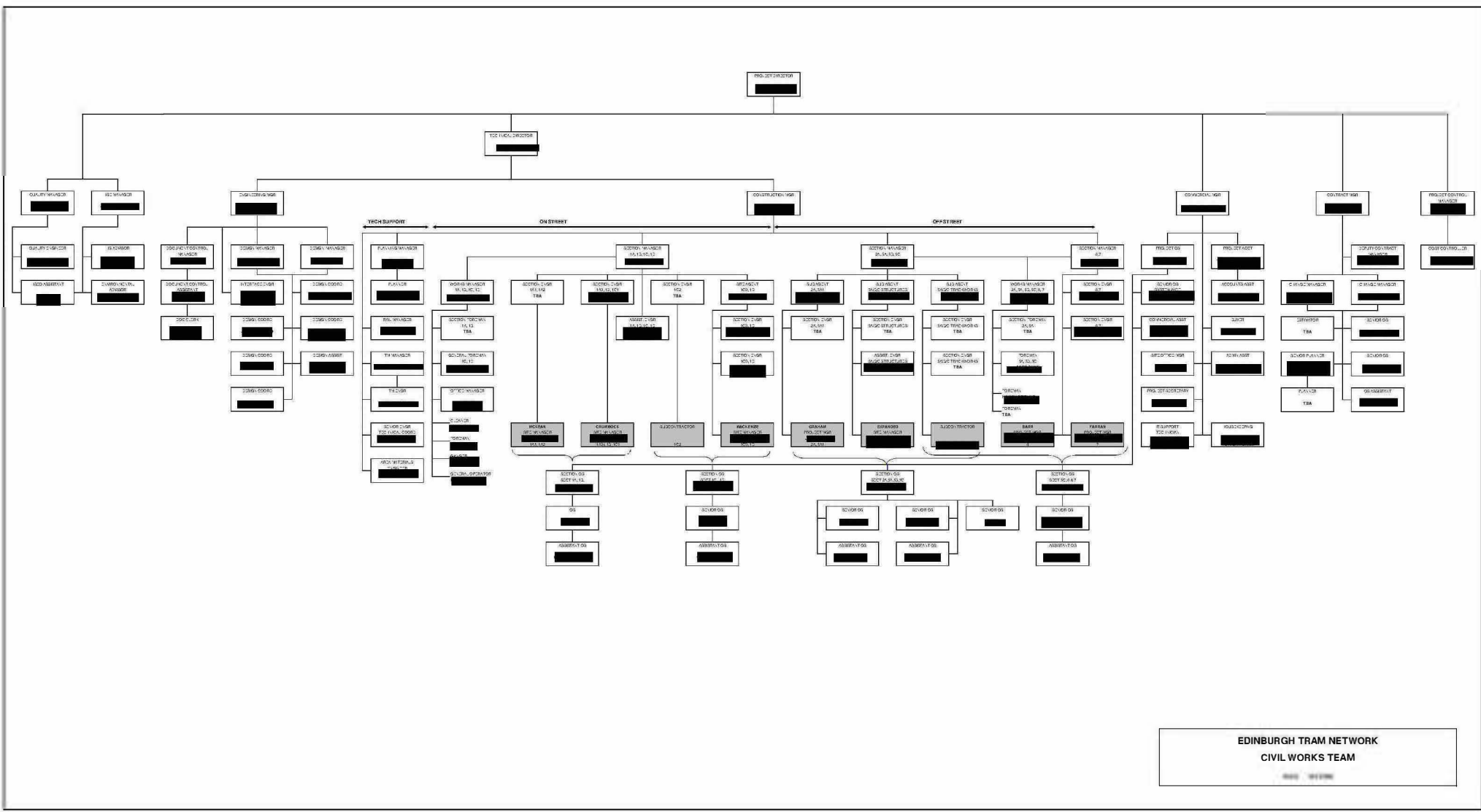
Gross Margin original Contract and agreed VO's (PF = 1.0043, PFB = 1.0784)

Total Cost without Prime Cost Sums	47,185,602	41,894,334	46,837,554	125,838,070	125,838,070	23,925,729	149,763,799	160,822,495	161,170,543
Gross Margin	3,284,916	201,401	15,670,745	9,868,139	13,756,619	11,743,758	685,062	137,014	
Gross Margin in % of Performance	7.27 %	0.43 %	11.07 %	7.37 %	7.37 %	7.27 %	0.42 %	0.21 %	
Performance without Prime Cost Sums	-45,178,851	-47,038,955	141,508,815	135,706,209	25,801,348	161,507,557	161,507,557	161,507,557	
Actual Cost to date	47,185,602	47,185,602							
Gross Margin to date	-2,006,752	-146,647							
Gross Margin to date in % of Performance	-4.44 %	-0.31 %							
Performance Prime Cost Sums									
Total Performance	45,178,850	47,038,955	141,508,815	135,706,209	25,801,348	161,507,557	161,507,557	161,507,557	
Revenue according WBS									

Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0146, PFB = 1.0785)

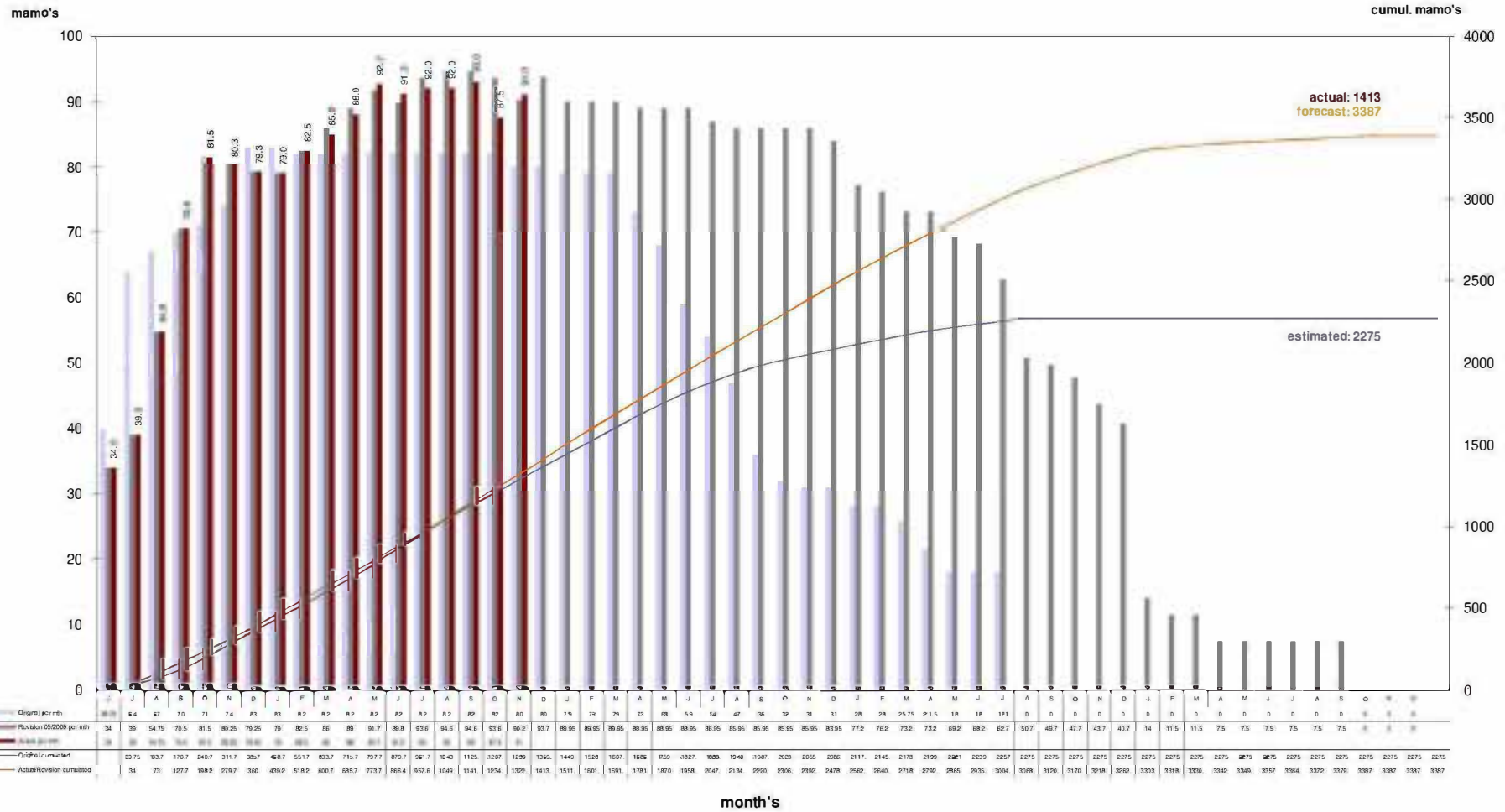
Total Cost without Prime Cost Sums	43,121,850	46,837,554	125,838,070	125,838,070	23,925,729	1,540,358	151,304,157	160,822,495	161,170,543
Gross Margin	3,185,065	683,828	15,670,745	9,868,139	11,870,406	2,357,068	3,004,030		
Gross Margin in % of Performance	7.28 %	1.44 %	11.07 %	7.27 %	7.27 %	1.44 %	1.23 %		
Valued Performance without Prime Cost Sums	-46,506,915	-47,521,382	141,508,815	135,706,209	25,801,348	1,667,006	163,174,563	163,174,563	163,174,563
Actual Cost to date	47,185,602	47,185,602							
Gross Margin to date	-678,687	-678,687							
Gross Margin to date in % of Performance	-1.46 %	-1.43 %							
Performance Prime Cost Sums (incl. valued performance)									
Total Performance (incl. valued performance)	46,506,915	47,521,382	141,508,815	135,706,209	25,801,348	1,667,006	163,174,563	163,174,563	163,174,563
Revenue according WBS (VO's valued)									
Revenue according WBS (VO's valued by 100%)									

2.05 Organisation Chart



**2.06 Staff Chart**

**Staff mammo performance Edinburgh Tram**





Project: **Edinburgh Tram Network**  
 as per: **30/11/2009**



2.08a Approved Change Orders

INTC	TCO	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
330	049	LPS	1A	40	SKY	Install additional gully Chainage 260 RHS	08/05/09	2,170.14	1,579.55	304.06	126.57	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	236.62	293.13	7.28%	
394	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	609.09	451.95	79.09	33.44	45.21	7.42%	
390	053		5B	54	GAn	Carrick Knowe drainage S20200 to S20240 - sub-grade improvement	15/05/09	98,501.39	71,694.73	13,801.24	5,835.95	7,169.41	7.28%	
360	054		SDS			Alteration of Design at Forth Ports Road B	15/05/09	11,932.54	10,164.00		752.14	1,016.40	8.52%	
361	055		5A	53	GAn	Scottish Power Utility Diversion near Murrayfield Station	05/06/09	8,689.80	6,188.55	1,217.54	514.85	768.81	8.85%	
167	056	LPS	5A	53	GAn	Accommodation Works to Wenderers Clubhouse Building at Murrayfield	26/05/09	191,060.84	141,631.46	24,785.51	10,480.73	14,163.11	7.41%	
336	057		1A	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 Revelation Tramstop Landscaping	01/06/09	2,409.00	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	78.6	33.26	40.6	7.28%	
336	060		WSC	64		Extension to Site Office for Site/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%	
385	062		TM	21	SKY	Section 1C/D - Additional MASS barriers on Great Stuart Street	02/06/09	915.27	678.48	118.73	50.21	67.85	7.41%	
074	063		WSC	64/65		Sewer Diversion, Gogar Landfill	08/06/09	1,433.79	1,213.64		98.73	121.36	8.46%	
360	064		Farrans	62	OHU	Protective Species mitigation measures	05/06/09	9,262.22	6,862.20	1,204.48	509.32	686.2	7.41%	
273	065		SDS-WSC	64/65/66		Gogarburn Retaining Wall W14 - Re-design Water Mains and Gas Main	07/07/09	1,155.57	981.36		77.07	98.1	8.49%	
222	066	LPS	1A	40	SKY	Discovery of valves and a hydrant fouling the new kerb line - 120 RHS	10/06/09	617.61	457.83	80.12	33.88	45.76	7.41%	
236	067		TM	21	SKY	Temporary Traffic Lights opposite Manderson Street required	04/09/09	15,064.79	11,182.21	1,956.89	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%	
362	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	2,817.00	2,400.00		177.60	240.00	8.52%	
269	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	3,214.42	3,922.91	7.53%	
171	073		Consultants	71	SKY	Contract with Faber Maunsel for Transit and Unsigt Modelling Assessments.	16/06/09	64,809.00	48,043.00	8,407.52	3,555.18	4,803.30	7.41%	
373	074		Farrans	62	OHU	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	3,269.10	2,379.47	458.05	193.69	237.89	7.28%	
371	075		Farrans	62	OHU	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/MT/D/05	17/06/09	855.81	622.91	119.91	50.70	62.29	7.28%	
307	076		Graham	61	GAn	Contaminated Soil assessment at Haymarket Depot	11/06&20/08/09	54,966.59	40,761.00	7,133.16	3,016.31	4,076.10	7.41%	
439	077		SDS	66		SDS proposed office move to Edinburgh Park - IT costs	07/07/09	29,000.00	20,756.12	3,632.32	1,535.95	2,075.61	7.41%	
203b	076		Depot	63	OHU	Structural Steelwork	15/07/09	270,372.67	196,792.25	37,882.51	16,016.89	19,679.22	7.28%	
203a	079		Depot	63	OHU	Foundations	15/07/09	47,782.16	34,778.48	6,894.86	2,830.97	3,477.85	7.28%	
449	080		5B		GAn	Reinstatement of Bus Link	23/07/09							CO Value not issued - to be paid on Demonstrable Cost Basis
419	082		TM-1C	21/43	SKY	Replace MASS barriers at St Andrews Square	14/08/09	22,896.58	16,973.00	2,970.27	1,256.00	1,697.31	7.41%	
279	064		SDS	66		West Pilton Tram stop	29/07/09	859.3	732.00		54.17	73.20	8.52%	
413	084		Farrans	62	OHU	Provisional protection of sewer at Chainage 711990	31/07/09	2,695.95	1,999.22	349.85	147.94	199.93	7.41%	
179	85/66	LPS	SDS	66		Gatehouse Works to Murrayfield Stadium Part 1	05/06/09	143,493.91	122,226.50		9,044.76	12,222.65	8.52%	
234	089	LPS	1A	40	SKY	Leith Walk (Section 1A) Groundworks - Move THUS ducts - Ch 345 - 365	11/09/09	6,562.03	4,864.37	851.28	359.96	486.43	7.41%	
202	090		Farrans	62	OHU	IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	12/08/09	13,368.4	9,730.32	1,873.06	792.05	973.03	7.28%	
401	092		Farrans	62	OHU	Additional earthworks to western approach embankment at Gogarburn Bridge	13/06/09	36,616.19	26,851.28	5,130.3	2,169.41	2,665.13	7.28%	
203g	093		Depot	63	OHU	Secondary Steelwork	17/08/09	2,355.95	1,714.79	330.10	139.58	171.68	7.28%	
334	094		Farrans	62	OHU	Access at Newington	20/06/09	5,827.59	4,282.94	784.58	331.77	428.29	7.35%	
115	095		5B		GAn	IFC Drawing Change Carrickknowe Bridge	27/08/09							CO Value not issued - estimate was referred to Dispute Resolution Procedure
116	096		WSC	64/65		IFC Drawing Change Cathedral Lane Sub Station	31/09/09	1,289.7	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	2,121.47	2,608.21	7.28%	
091	098		5B	56	GAn	Reference ETN002 Edinburgh Park Structure (S27) Earthworks/Foundations.	04/09/09	52,388.71	37,750.66	7,802.57	3,060.38	3,775.08	7.21%	
337	099		TM-1B	21/40/71	SKY	Testing to carriageway at Leith Walk	04/09/09	15,452.46	11,454.75	2,004.58	847.65	1,145.48	7.41%	
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	DPS	1C/D		SSm	Provisional Sum for Extra Over for Shell Grip at Junctions	12/10/09	156,259.21	113,728.94	21,893.80	9,257.95	11,378.52	7.28%	Instruction of ProvSum - Current Value just partially
475	105.1	LPS	5B	57	GAn	A8 Underpass - Works - Slew 2 way and 4 way ducts	09/10/09	94,954.28	70,144.03	12,275.21	5,190.66	7,344.36	7.73%	

Project: **Edinburgh Tram Network**  
 as per: **30/11/2009**



2.08a Approved Change Orders

INTC	TCO	Prov Sum	Section	Activity	QS	Description	Date of Approval	Revenue	Estimate					Remarks
									Budget for performance, design & estimate	Other Prelims 17.5%	Consortium Fee 7.4%	OH&P / Margin	Margin in %	
486	105.2		SDS	66		TRO Changes September 2009		3,430.43	2,922.00		216.23	292.20	6.52%	
362	106		5B	56	GAN	Edinburgh Park Bridge - Approach Ramps additional earthworks	09/10/09	165,000.00	134,653.16	25,920.74	10,960.77	13,465.31	7.26%	
414	107		21/61	SKY/GAN		Sample soil nailing to embankments between Russell Road & Water of Leith	09/10/09	44,716.35	33,149.26	5,801.12	2,453.05	3,314.91	7.41%	
431	106		5B	57	GAN	Stew existing UT duct at AB underpass	13/10/09	22,646.79	16,934.93	2,965.19	1,253.16	1,693.49	7.41%	
125	109		61/66	GAN		Unforeseen Ground Conditions at Haymarket Viaduct	22/10/09	94,317.38	66,649.54	13,215.01	5,568.06	6,664.77	7.26%	
191	110		1B	46	SKY	Discovery of concrete encased lighting cable - Chainage 339 RHS	28/10/09	179.5	133.51	23.29	9.65	12.92	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		1,460.00	2,000.00	6.52%	
77A	112		SDS-Farrans	62/66	OHu	DESIGN ONLY to Amend line of route design section 5 to (Watch 5/22)	13/11/09	5,368.54	4,251.90	321.55	369.90	425.19	7.92%	
203j	114		Depot	63	OHu	ADD to IFC changes to depot access road	13/11/09	76,674.60	57,263.89	11,023.30	4,661.26	5,726.39	7.26%	
112	115		Graham	61	GAN	IFC Drawing Change Haymarket Viaduct	04/11/09	96,173.00	70,000.00	13,475.00	5,698.00	7,000.00	7.26%	
001A-D	116		EOT1	64/65/67		IFC dates 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%	
426	121		BSC	64/65		Alteration of Drainage at Eastfield Avenue to avoid a clash with Utilities	13/11/09	1,064.74	903.64		70.74	90.36	6.49%	
309	123		5B	56	GAN	Edinburgh Park Bridge (S27) - South Abutment Base Formation	25/11/09	9,494.75	5,473.85	3,030.24	443.35	547.51	5.77%	
429			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>25,801,347.30</b>	<b>14,213,869.77</b>	<b>6,996,079.23</b>	<b>2,715,780.12</b>	<b>1,875,618.18</b>	<b>7.27%</b>	

2.08b Unapproved Changes

INTC	TCO	Section	Activity	QS	Description	Assessment				Status			Working Estimate				Remarks			
						Approved	Unapproved	Minor	Unsettled	Not included	In principle agreed, but not approved	Not agreed	Approved	Budget for performance design & estimate	Other Prelim Costs	Consent/Fee 7.4 %		OH&P Margin	Margin to	
						0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Instruction replaced with Hilton Hotel Car Park	90,068.00				132,845.32				102,845.32						
					Instruction replaced with Russell Road Bridge															
					Instruction replaced with Haymarket Viaduct															
					Instruction replaced with Gogarburn Bridge															
					Archaeological currently ongoing in area Gogar Tramstop - Sect 17														no further action under this INTC-Ref.	
					Archaeological currently ongoing in area Gogar Tramstop - Sect 15C														no further action under this INTC-Ref.	
					Archaeological at Gogar Tramstop causes damage to Tram Corridor														no further action under this INTC-Ref.	
					No completion of 800 mm dia Water Main diversion in Depot Area														no further action under this INTC-Ref.	
					No completion of 250 mm dia Water Main diversion in Depot Area														no further action under this INTC-Ref.	
					No completion of 1500 mm dia Sewer diversion in Depot Area														no further action under this INTC-Ref.	
					South Gyle Access Bridge west abutment pile foundations	72,903.68	65,000.00	60,000.00	72,903.68				72,903.68	65,000.00	55,365.27	4,397.11	5,536.83	8.52%		
					No completion of various utility diversions in Depot area	41,748.33							41,748.33							no further action under this INTC-Ref.
					Asbestos in existing Steps to Haymarket Station Car Park														no further action under this INTC-Ref.	
					Instruction replaced with Verity House Access Road pre-FC														no further action under this INTC-Ref.	
					Instruction replaced with demolition of Calver Aisle House pre-FC														no further action under this INTC-Ref.	
					Delay to issue of Picardy Place (Batch 1) to CEC for Prior Approval														no further action under this INTC-Ref.	
					Delay to FC Submissions (Sect. 1) due to changed approval periods														no further action under this INTC-Ref.	
					Delay to FC Submissions (Sect. 1) due to changed approval periods														no further action under this INTC-Ref.	
					Group consent for Gogarburn Bridge														no further action under this INTC-Ref.	
					CEC failure to agree one with agreed timescales														no further action under this INTC-Ref.	
					Network Rail future agreement with agreed timescales														no further action under this INTC-Ref.	
					New Requirement by Public Realm Design Workbook (SLS Letter 648)														no further action under this INTC-Ref.	
					Delay and Disruption to Crew Road Gardens Bridge IFC														no further action under this INTC-Ref.	
					Delay and Disruption Roseburn Terrace Bridge, Tramstop, Ret Walls														no further action under this INTC-Ref.	
					Delay and Disruption Roads detailed design as SLS Letter 610/4														no further action under this INTC-Ref.	
					Delay and Disruption Roads detailed design as SLS Letter 610/4														no further action under this INTC-Ref.	
					Delay and Disruption Ground Investigation														no further action under this INTC-Ref.	
					Delay and Disruption Rubbish Tramstop, Wyles Bridge														no further action under this INTC-Ref.	
					Amendments to Ocean Terminal Layout	146,451.25	75,000.00	-25,000.00	146,451.25				-25,201.00	171,552.25						no further action under this INTC-Ref.
					Delay and Disruption due to amended design A25920 Balfour St Tram Stop														no further action under this INTC-Ref.	
					Delay and Disruption due to amended design SWS2500940														no further action under this INTC-Ref.	
					Delay and Disruption due to amended design SWS24720														no further action under this INTC-Ref.	
					TNC5 Bernard Street Public Realm Works	1,306,728.22			1,306,728.22				720,255.00	566,372.22						no further action under this INTC-Ref.
					TNC04 - Water Main Diversion only	126,513.46		60,000.00	126,513.46				126,513.46							no further action under this INTC-Ref.
					TNC007 - St Andrew Square Public Realm Works as CEC specification	11,407,869.57			11,407,869.57				4,170,130.12	7,237,739.45						no further action under this INTC-Ref.
					Delay & Disruption due to late approval CEC of SWS27980														no further action under this INTC-Ref.	
					Delay & Disruption by CEC due to late registration Section 1A Batch 108														no further action under this INTC-Ref.	
					Delay & Disruption due to late approval CEC of Section 1B														no further action under this INTC-Ref.	
					Notification from CEC with respect to road safety Auditing comments for Haymarket														no further action under this INTC-Ref.	
					Notified Disruption and WBS Schedule 4 type 1 to Adalberto Survey	14.80			14.80				14.80							partly approved (see 2.08a); figures here concerning not approved portion
					Disruption of Existing Sewer at Gogarburn Bridge, conflict with the 300mm dia	34,129.99		34,129.99	34,129.99				34,129.99		25,479.33	1,956.20	2,597.33	7.61%		
					Infrastructure Investigation for use of RBS Bundled Waterfall	67,895.12			67,895.12				67,895.12		52,873.57	5,821.53	7,421.56	10.9%		
					Trinity Works - Street Railways Access Site for Haymarket Airport	4,165.78	3,500.00	3,000.00	4,165.78				4,165.78	3,500.00	2,982.76	296.52	8.47%		not concerning UKS/S	
					TNC009 - Ocean Terminal Revised Fishings	3,243.18	2,750.00	2,500.00	3,243.18				3,243.18	2,750.00	2,500.00	296.52	8.52%			no further action under this INTC-Ref.
					Murrayfield Retaining Walls - Introduce Visual Pattern to Murrayfield RTW	7,843.07			7,843.07				7,843.07							no further action under this INTC-Ref.
					Revised specification (RBS) Gogarburn Tramstop Version 2	2,000,000.00	1,750,000.00	1,500,000.00	2,000,000.00				2,000,000.00							no further action under this INTC-Ref.
					Revised specification (RBS) Gogarburn Tramstop Version 2	2,000,000.00	1,750,000.00	1,500,000.00	2,000,000.00				2,000,000.00							no further action under this INTC-Ref.
					Murrayfield Tramstop - Provision of Secondary Staircase	32,648.35		15,000.00	32,648.35				32,648.35		21,294.72	1,174.63	2,129.47	6.40%		
					Edinburgh Park - Earthworks and Drainage IFC Drawings															no further action under this INTC-Ref.
					Gyle Stop Retaining Walls														no further action under this INTC-Ref.	
					Bankhead Retaining Walls														no further action under this INTC-Ref.	
					FOV to Gogarburn Site IFC Drawings (As 68)														no further action under this INTC-Ref.	
					Haymarket Roseburn Junction - SW Consent base (As 88)														no further action under this INTC-Ref.	
					Russell Road Retaining Wall - Construction Method														no further action under this INTC-Ref.	
					Sewer Options, Gogar Landfill	18,345	20,000.00	15,000.00	18,345				18,345							partly approved (see 2.08a); figures here concerning not approved portion
					Temporary Access Ramp from Depot	18,345			18,345				18,345							partly approved (see 2.08a); figures here concerning not approved portion
					Gogarburn Public Tramway proposals GRP options 4B & 4C2	3,000,000.00			3,000,000.00				400,707.33	2,599,292.67					no further action under this INTC-Ref.	



**2.08b Unapproved Changes**

INTC	TCO	Section	Activity	QS	Description	Assessment				Status			Working Estimate				Remarks				
						Approved	Unapproved	Minor	Notified	Agreed	In principle agreed, but not approved	Not agreed	Approved	Budget for performance design & estimate	Other Prelim	Consent/Fee %		OH&P Margin	Margin %		
					Design entry for alterations to design of Edinburgh Airport	49,000.00			49,000.00					45,000.00		38,330.49		3,653.09	8.52%		
		SOG			Instruction from CEC to design an alternative layout for Haymarket Junction	52,167.84		35,000.00	52,167.84					52,167.84		38,330.49		2,833.44	3.833.00	8.52%	
					Gogarburn Retaining Wall - CEC requesting change to finish of the wall	4,998.89		4,000.00	4,998.89					4,998.89		2,833.00		383.30	8.52%		
					Environmentally Friendly Lighting - CEC have requested using 42 pt lamp	8,000.00		8,000.00	11,009.77					8,000.00		8,517.69		430.32	8.52%		
					Traffic Management - Temporary Traffic Signs																
					TNC208 - Lindsey Road Retaining Wall Cost Estimate	1,347,782.70			1,347,782.70												
					MUDFA to INFRACO transfer of Limited Diversion Section 1A, 1B, 1C and 1D	5,000,000.00		2,500,000.00		9,966,835.83				250,000.00							
					Four Street Crossing	9,241.73			9,241.73					9,000.00		7,666.10		1,333.90	8.52%		
					Design of the Russe Road retaining wall	47,837.40			47,837.40												
					Lindsay Road Ocean Drive Ocean Terminal Tower Place Planning Permission	10,975.73			10,975.73												
					Hilton Hotel Full Planning	10,975.73			10,975.73												
					Shandwick Place DED preferential Treatments	335,213.73		200,000.00	335,213.73					200,000.00		150,919.12		12,012.66	15,093.56	7.55%	
					Balgreen Road Bridge Amending Technical Design	2,750.00		2,500.00	2,893.36					2,750.00		2,342.42		548.94	8.52%		
					Infraco Notifications due to issue of SDS programme V32, V33, V34 and V5																
					Infraco Notifications due to issue of SDS programme V32, V33, V34 and V5																
					Infraco Notifications due to issue of SDS programme V32, V33, V34 and V5																
					Infraco Notifications due to issue of SDS programme V32, V33, V34 and V5																
					Section SC - Gogar Church and Gogar Castle				2,000.00												
					IFC Drawing Changes - A6 Underpass				624,794.40												
					IFC Drawing Change Balgreen Road Drive RTW	1,917,163.82		1,500,000.00	1,917,163.82												
					IFC Drawing Change Balgreen Road RTW	800,975.96			800,975.96												
					IFC Drawing Change Murrayfield Stadium RTW	1,452,414.96			1,452,414.96												
					IFC Drawing Change Parkhead RTW	718,758.00			718,758.00												
					IFC Drawing Change Gyle Sags RTW	233,994.52		175,000.00	233,994.52												
					IFC Drawing Change Murrayfield Underpass	134,298.71		100,000.00	134,298.71												
					IFC Drawing Change South Gyle Access Bridge	474,483.13		400,000.00	474,483.13												
					IFC Drawing Change Gogarburn Bridge	290,824.76			290,824.76												
					IFC Drawing Change Russe Road Bridge	125,348.00		75,000.00	125,348.00												
					IFC Drawing Change Roseburn Viaduct																
					IFC Drawing Change Carrieknowe Bridge	227,869.25		71,757.37	227,869.25												
					IFC Drawing Change Water of Leith Bridge	274,728.33		139,000.00	274,728.33												
					Extra Demolition required at Russe Road Retaining wall	12,500.00		12,500.00	20,000.00												
					IFC Drawing Change Leith Walk Sub Station	15,000.00		15,000.00	15,000.00												
					IFC Drawing Demolition reinforcing existing building for Leith Walk Sub																
					Urban Traffic Controls (UTC) associated with delivery of the alignment	1,329,893.00		1,000,000.00	1,329,893.00												
					Design in receipt of CEC prior approval Section 1A1 & 1A2																
					Final Part Agreement and Design Completion	55,841.90		40,000.00	55,841.90					40,000.00		36,011.90		2,521.29	3,601.19	8.52%	
					Requirements for Contractors License for Network Rail Related Works	1,329,893.00			1,329,893.00												
					Soft Packages for Prior Approvals - Ocean Terminal to Port of Leith	5,733.82			5,733.82												
					CEC request for change to the design of Edinburgh Park Station																
					CEC's Request for Extension of Time for Prior Approvals 101a, 101b, 101c																
					Delay to Issue of IFC Drawings for Brighton Park and Ride Tram Stop																
					Delay to Section 1B due to MUDFA not having completed its works																
					Lighting Columns required to be installed at A6 Underpass																
					Green Road - Demolition of Railway Structure																
					Ready Place of 14 days - additional works to tree cutouts																
					Sec 1A1 and 1A2 - CEC's proposed amendments to tree cutouts																
					Design of the piled foundations to the Water of Leith Bridge	32,514.52		27,500.00	32,514.52					32,514.52		25,553.66		1,890.97	2,553.37	8.52%	
					Raise the location of OLE poles in Section 1A at the request of CEC.	8,071.84		3,000.00	8,071.84					3,000.00		2,555.37		383.30	8.52%		
					Delay to Issue of IFC Drawings for																
					CEC's intention to adopt private roads between Loch side Crescent and Avenue	40,050.40		30,000.00	40,050.40					30,000.00		25,553.66		1,890.97	2,553.37	8.52%	
					Additional work arising from CEC's additional comment Section SC	18,244.31			18,244.31												
					IFC Drawing Change Russe Road RTW's Wall 4	4,573,106.36		1,200,000.00	4,573,106.36					1,200,000.00		406,389.00		3,173,379.36			
					IFC Drawing Change Russe Road RTW's Wall 3	423,228.92			423,228.92												
					IFC Drawing Change Murrayfield Training Pitches	1,342,200.42		1,000,000.00	1,342,200.42												
					IFC Drawing Change Balgreen Road Underbridge	80,000.00		50,000.00	80,000.00					80,000.00							
					Removal and deposition of material from previous works section 7	99,481.77			99,481.77												
					IFC Drawing Change 2-21 Roseburn Viaduct																
					Excavate and replace existing 80 material within existing utility trenches	1,065.86		1,000.00	1,065.86												
					IFC Drawing changes Vertical & horizontal Alignment Section 5 Sheets 1 & 2	3,000.00		3,000.00	5,000.00												







2.08b Unapproved Changes

INTC	TCO	Section	Activity	QS	Description	Assessment			Status			Working Estimate				Remarks			
						Approved	Unapproved	Minor	In principle agreed, but not approved	In principle agreed, but not approved	Not agreed	Response	Budget for performance, design & estimate	Other Prelims	Consent/Fee 7.4 %		OH&P Margin	Margin to	
					IFC changes - Series 1 700 Structural Concrete Specification	100,000.00		50,000.00			100,000.00								
					Addition of starter and capping layers in Section 7A	1,000,000.00		1,000,000.00	1,851,169.90		1,851,169.90	618,411.41	1,032,778.49						
					Cycle provision at Haymarket Steps	2,500.00													
					Additional starter and capping layers in Section 5B	1,727,325.36	1,900,000.00		1,727,325.36				822,669.55						
					Addition of starter and capping layers in Section 5C	895,265.91	600,000.00		895,265.91			508,613.82	387,101.43						
					Section 5B - Drainage Ditches	-5,573.46			-5,573.46				-5,573.46						
					Additional Retaining Wall at Tower Bridge Pumping Station														
					Design Report Earthworks - Northern Boundary Drainage Design	10,000.00	7,500.00	5,000.00			10,000.00								
					IFC changes - Outwork Specification [CVIS26-004]	250,000.00	225,000.00	200,000.00			250,000.00								
					IFC Drawing Changes - Trackform	300,000.00	250,000.00	200,000.00			300,000.00								
					Depot Floor - Pit for manual bogie turntable	8,914.16		8,914.16			8,914.16	7,930.00						8.52%	
					Depot Floor - Pit for manual bogie turntable	11,085.82		6,085.82			11,085.82								
					Sample retaining embankment between Russe Road & Waterloo Leith	44,065.77					44,065.77							partly approved (see 2.08a) figures here concerning not approved portion	
					Depot Pumping Station, manhole and rising main	40,000.00		40,000.00			40,000.00							no further action under this INTC-Ref.	
					AA Dualing Future Paving (Eastfield Avenue)	63,082.50	47,551.50	32,551.50			63,082.50							no further action under this INTC-Ref.	
					Residual Risk (RTW) - 4th investigation - extent of collapse and more soil													no further action under this INTC-Ref.	
					Leith Walk Cytarabine System	5,101,750.00	40,000.00	35,000.00			5,101,750.00							no further action under this INTC-Ref.	
					Remove Soft Material from Sub Grade of Depot Access Road	25,000.00	20,000.00	20,000.00	36,804.03		36,804.03	25,000.00	18,196.34	3,502.61	1,481.16	1,819.64	7.28%		
					Revised IFC RL Drawings Section 7														
					Demarcation of road with LOD														
					Revised IFC RL Drawings - Water of Leith Bridge													no further action under this INTC-Ref.	
					Issue of MUDFA Programme Revision 8 - EOT2													no further action under this INTC-Ref.	
					Additional white lining at Haymarket Station Car Park	2,000.00	1,500.00	1,000.00			2,000.00							partly approved (see 2.08a) figures here concerning not approved portion	
					Strengthening of T duct at A8 underpass	4,069.98					4,069.98							no further action under this INTC-Ref.	
					Traffic management at Varsity House Access Road	10,841.52	7,500.00	6,000.00	10,841.52		10,841.52								
					George Street - Emergency road closure	1,516.33	1,000.00	1,000.00			1,516.33								
					Traffic Management for MUDFA Works	2,000.00	1,500.00	1,000.00			2,000.00								
					Lothian Road pedestrian disruption	8,640.25		5,000.00			8,640.25								
					Utility conflicts within 2 metre clearance zone	33,000.00	20,000.00	20,000.00			33,000.00								
					Site Wide Contamination	50,000.00	50,000.00	50,000.00			50,000.00								
					Track Drainage - Section 5A	71,938.55	60,000.00	50,000.00			71,938.55								
					Notified Departure due to the issue of SDS Design programme V44														
					Notified Departure due to the issue of SDS Design programme V45														
					Notified Departure due to the issue of SDS Design programme V46														
					Revised IFC RL Drawings - Section 7													no further action under this INTC-Ref.	
					Review of location of Scott's Power - Prince's St at chain 12 1395	3,000.00	2,000.00	1,500.00			3,000.00								
					Change of free lighting at Haymarket Terrace														
					Reinstatement of bus link	5,000.00	3,000.00	3,000.00			5,000.00	4,197.34	802.66					CO Value not included - to be paid on Demonstrate Commitment	
					AA New bus stop Allocation	8,004.92	7,500.00	6,000.00			8,004.92								
					Stage D Drawing for Tram Stops	55,721.56	45,000.00	40,000.00			55,721.56							no further action under this INTC-Ref.	
					5B Drainage to Outlet Sewer (L)													no further action under this INTC-Ref.	
					Abatement of traffic management at Leith Road Junction	1,742.36	1,500.00	1,500.00	1,742.36		1,742.36							no further action under this INTC-Ref.	
					Re-use of existing kerbs	10,000.00	10,000.00	10,000.00			10,000.00							no further action under this INTC-Ref.	
					Edinburgh Park Bridge - revision to reinforcement top panels	10,000.00	10,000.00	10,000.00			10,000.00							no further action under this INTC-Ref.	
					IFC changes - Informal consultation	91,501.56	75,000.00	60,000.00			91,501.56								
					IFC changes - Informal consultation - impact on IFC Drawing issues etc	150,000.00	120,000.00	120,000.00			150,000.00								
					Forth Ports Substation - redesign	50,000.00	30,000.00	30,000.00			50,000.00								
					Network Rail turning head lighting	10,000.00	5,000.00	5,000.00			10,000.00								
					Forth Ports drainage approval	5,000.00	3,000.00	3,000.00			5,000.00								
					Gogarum Retaining Walls W14 and W15 - Survey and bump migration	50,000.00	50,000.00	50,000.00			50,000.00								
					Redesign of Drainage at AA CCR interface	7,500.00	5,000.00	5,000.00			7,500.00							no further action under this INTC-Ref.	
					AA Drainage at Depot	20,000.00	15,000.00	10,000.00			20,000.00								
					Underground Chamber - West Maitland Street	50,000.00	40,000.00	30,000.00			50,000.00								
					Utility Diversions - listed with Lindsay Road	50,000.00	30,000.00	30,000.00			50,000.00								
					Accommodation Works - Relocate Access steps at 33 Ocean Drive	10,000.00	10,000.00	10,000.00			10,000.00								
					IFC drawing changes - Section 5B - Draining and Cable Routes	600,000.00	500,000.00	500,000.00			600,000.00								
					Developed schematic drawings (DK) check	15,116.77	10,000.00	10,000.00	15,116.77		15,116.77	10,647.36	787.00	1,000.00				8.52%	
					Construction of 3 no. sewer protection slab and new chamber at Lindsay Road	80,000.00	80,000.00	80,000.00			80,000.00								
					Additional manhole requirement - Section 5B	6,847.79	6,000.00	6,000.00			6,847.79								
					AB Underpass - RTW Work - Slow 2 way and 4 way ducts	4,295.99			4,295.99		4,295.99								partly approved (see 2.08a) figures here concerning not approved portion

**2.08b Unapproved Changes**

INTC	TCO	Section	Activity	QS	Description	Assessment			Status			Working Estimate				Remarks		
						Approved	Unapproved	Minor	Not Submitted	In principle agreed, but not approved	Not agreed	Response	Budget for performance design & estimate	Other Prelim Costs	Consent/Fee %		OH&P Margin	Margin %
					Tram Stops Development Workshop	25,000.00	20,000.00	15,000.00										
					Sub Station Development Workshop - changes arising	25,000.00	20,000.00	15,000.00										
				SKY	Issue of O&P/C&E/Roads T&A Sign Cfts	1,500.00		1,000.00										
				SKY	Pre-works for Infill at Water of Leith Bridge	7,500.00		5,000.00			10,000.00							
				SKY	Airport Bund Protection IT, Ditch etc													
				SKY	Airport Bund Protection													
				SKY	CEC request for storming heads Depot													
				SKY	Changes to sub stations arising from development workshop	25,000.00	20,000.00	15,000.00		25,000.00								
				SKY	Culvert 1 - Excavation below formation level	25,000.00	20,000.00	15,000.00										
				SKY	Manderston Street operational track cross over													
				SKY	Gogar Depot South embankment reinstatement and associated drainage works	40,000.00		30,000.00			50,000.00							
				SKY	Development workshop for drainage - changes arising			10,000.00										
				SKY	Piling and drainage works at Gogar Depot	15,000.00		10,000.00										
				SKY	Telling of Cableways to Leith Walk	125,000.00		125,000.00	194,668.20		194,668.20							
				SKY	Diversion of cables at Tower Place bridge	7,500.00		5,000.00										
				SKY	IFC drawing changes - Haymarket Car Park	126,294.78		75,000.00			126,294.78							
				SKY	IFC Design issued for Construction Drawings Murrayfield Stadium Tram Stop	20,000.00		10,000.00			20,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	70,000.00		70,000.00			70,000.00							
				SKY	IFC drawing changes - Section 5C - Ducting and Cable Routes	80,000.00		70,000.00			80,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	80,000.00		70,000.00			80,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	20,000.00		10,000.00			20,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	20,000.00		10,000.00			20,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting and Cable Routes	15,000.00		10,000.00			15,000.00							
				SKY	IFC drawing changes - Section 5A - Ducting													

Project: **Edinburgh Tram Network**  
 as per: **30/11/2009**



**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			
May-08	ACCLUM.	500,000	21,389,899	19,100,000	-2,289,899				19,100,000				
2	MONTH	1,052,000	2,414,100	2,289,899	-124,201	0	0	0	2,289,899	30/07/2008	04/08/2008	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	01/10/2008	4,348,256	
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	3,334,638	708,826	809,071	103,251	0	0	0	809,071	14/11/2008	31/10/2008	809,071	
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			27,958,437	
8	MONTH	2,480,877	5,108,480	1,116,659	-3,991,821	0	0	0	1,116,659	22/01/2009	08/11/2008	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	1,139,911	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 & 17/04/2009	04/03/2009	2,979,868	
Mar-09	ACCLUM.	16,842,385	41,050,724	35,754,680	-5,296,045				35,754,680		17/03/2009	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	22/07/2009	05/06/2009	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	26/07/2009	44,806,960	paid: Invoice No 18 & 19
16	MONTH	6,312,045	2,177,338	3,020,900	843,567	0	0	0	3,020,900	25/08/2009	06/08/2009	6,220,900	paid: Phase 1B
Aug-09	ACCLUM.	32,037,605	59,395,299	51,027,866	-8,367,434				51,027,866		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	21/10/2009	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	
27	MONTH	0	0	0	0	0	0	0	0			0	
Jul-10	ACCLUM.	0	0	0	0				0			0	
												58,807,732	
												(w/o Advance Payment)	
												(with Advance Payment)	

Project: **Edinburgh Tram Network**  
 as per: **30/11/2009**



## 2.11 Monthly Report on Quality Management

### 1. Audits

#### 1.1 Internal Audits

Audit-No	Date	NCRs raised	NCRs Closed-Out	%	Corrective Actions
25.1.201/AS2009/01 (Construction)	29/01/2009	0	0	0%	
25.1.201/AS2009/02 (Design)	02/03/2009	4	4	100%	All closed-out
25.1.201/AS2009/03 (Procurement)	17/03/2009	3	3	100%	All closed-out
25.1.201/AS2009/04 (Doc Control)	29/04/2009	0	0	100%	All closed-out

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

Audit-No	Date	NCRs raised	NCRs Closed-Out	%	Corrective Actions
TQA-08-17 (Design Safety Assurance)	15/01/2009	4	4	100%	All closed-out
TSA-09-01 (System Eng / Integration)	28/08/2009	4	3	75%	1 outstanding
TSA-09-03 (Design Assurance Process)	01/10/2009	4	0	0%	4 outstanding
TSA-09-02 (Design Assurance - Tram)	18/11/2009				Findings not notified yet. Awaiting closing meeting

### 2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	% Comp'd	Raised		Closed out		
					Total	Month	Total	Month	%
<b>IA</b>	122	0	0	0%	1	0	0	0	0%
<b>1B</b>					0	0	0	0	0%
<b>1C</b>	13	12	0	0%	5	1	2	1	40%
<b>1D</b>	14	14	0	0%	5	2	0	0	0%
<b>2</b>					4	0	3	0	75%
<b>5A</b>					0	0	0	0	0%
<b>5B</b>	14	3	1	7%	10	1	4	0	40%
<b>5C</b>	6	0	0	0%	1	0	1	0	100%
<b>6</b>	27	6	0	0%	8	1	7	0	88%
<b>7</b>	68	10	10	15%	4	1	3	1	75%
<b>System NCRs (non-audit)</b>					18	4	11	1	61%
<b>Cancelled</b>					3	0	3	0	100%

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

(please describe shortly)

Princes Street was handed over successfully on the 29th November 2009, although the 'Work Site Completion Certificate' has still to be signed-off. All 16 BB ITPs reviewed by tie are now 'Level A - No Objection status', whilst another 2 (from Barr) are currently being reviewed. 'ITP Packaging Readiness Workshops for Princess Street Works' will continue into January 2010 until all documentation is ready for handover to tie. tie carried out a 'Design Safety Assurance Audit on BSC' (CAF mainly) on the 18th of November 2009. The audit report and findings will be finalised once CAF, who have been given two weeks to provide relevant documentation as evidence of compliance, have responded. tie carried out a 'Design Change/Validation Audit on BSC' on 19th Nov 09 at Edinburgh Park Offices. The audit report and findings are still to be issued, after clarifications are provided, but no major findings are expected. tie carried out a 'Depot Structural Steel Erection' on BSC on 12th November 2009. Both tie and BB visited Solway Structural Steel on a verification of records assessment on the 19th November 2009. tie are to issue an audit report on Structural Steel for the Tram Depot, covering both manufacture and erection. BSC submitted a letter to tie on the 20th November 2009 with proposals for records handover, and asking for clarification on which records to be handed over in accordance with the 'Body of Evidence File'.





## 2.13 Project Photographs

see following pages

<b>Picture 01</b>	<b>Section 7</b>	<b>Gogarburn Bridge</b>
<b>Picture 02</b>	<b>Section 7</b>	<b>S 30 - Gogarburn Culvert 1</b>
<b>Picture 03</b>	<b>Section 7</b>	<b>S 34 - Gogarburn Culvert 3</b>
<b>Picture 04</b>	<b>Section 6</b>	<b>Depot Steel Structure</b>
<b>Picture 05</b>	<b>Section 6</b>	<b>Depot Steel Structure</b>
<b>Picture 06</b>	<b>Section 5</b>	<b>Edinburgh Park Station Bridge</b>
<b>Picture 07</b>	<b>Section 5</b>	<b>Carrick Know Bridge South Abutment</b>
<b>Picture 08</b>	<b>Section 1</b>	<b>Princes Street</b>









### 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 <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
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>4,349,000</b>	<b>292,824</b>	<b>4,056,176</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>10,404,340</b>	<b>5,634,552</b>	<b>4,769,788</b>

**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	2	4	3	68	2	0	2	13	68	81
2	Issued for External Approval (IFEA), to be IFC	2	34	3	129	26	2	2	69	129	198
3	Issued for Construction (IFC)	18	262	75	261	427	41	123	946	261	1207
4	Partially agreed for Construction (PAFC)	7	207	28	0	57	0	0	299	0	299
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
8	Hand over	0	0	0	0	0	0	0	0	0	0
9	Withdrawn	0	2	4	0	1	0	0	7	0	7
10	Not to be IFC	228	152	14	87	99	14	43	550	87	637
11	IFEA, but not to be IFC	96	64	8	41	49	22	22	261	41	302
<b>New Design for Change Order:</b>											
21	Draft, to be issued for construction	74	69	1	0	161	8	27	340	0	340
22	Issued for External Approval (IFEA), to be IFC	20	24	3	0	36	4	12	99	0	99
23	Issued for Construction (IFC)	1	1	3	0	16	11	0	32	0	32
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	3	8	0	8
31	IFEA, but not to be IFC	0	24	0	0	1	1	0	26	0	26
<b>Existing Design subjected to revisions for Change Order:</b>											
41	Draft, to be rev. for CO	15	24	5	0	19	9	3	75	0	75
42	IFEA, to be rev. for CO	29	42	1	0	11	6	7	96	0	96
43	IFC, to be rev. for CO	23	296	34	0	269	186	66	874	0	874
44	Draft, revised for COs	0	0	0	0	0	0	0	0	0	0
45	IFEA, revised for COs	0	0	0	0	0	0	0	0	0	0
46	IFC, revised for COs	0	0	0	0	0	0	0	0	0	0
50	Draft, withdrawn for CO	45	0	0	0	1	0	5	51	0	51
51	IFEA, withdrawn for CO	131	6	5	0	0	0	0	142	0	142
52	IFC, withdrawn for CO	0	11	1	0	39	3	0	54	0	54
Total (1~3+5~52)		685	1015	160	586	1161	307	315	3643	586	4229
<b>Part of Original SDS Design still scheduled IFC:</b>											
Issued for Construction (3+5~8+43+46)		41	558	109	261	696	227	189	1820	261	2081
Total Issue for Construction (1~3+5~8+41~46)		89	662	121	458	754	244	203	2073	458	2531
Percentage of Completion IFC		46.1%	84.3%	90.1%	57.0%	92.3%	93.0%	93.1%	87.8%	57.0%	82.2%
<b>Original SDS Design:</b>											
Issued for Construction (3+5~8+43+46+52)		41	569	110	261	735	230	189	1874	261	2135
Total Issue for Construction (1~3+5~8+41~46+50~52)		265	679	127	458	794	247	208	2320	458	2778
Percentage of Completion IFC		15.5%	83.8%	86.6%	57.0%	92.6%	93.1%	90.9%	80.8%	57.0%	76.9%
<b>SDS Design incl. Change Orders:</b>											
IFC incl. new Issues for CO (3+5~8+23~28+43+46)		19	263	78	261	443	52	123	978	261	1299
Total IFC incl. new Issues for CO (1~3+5~8+21~28+41~46)		184	756	128	458	967	267	242	2544	458	3002
Percentage of Completion IFC		10.3%	34.8%	60.9%	57.0%	45.8%	19.5%	50.8%	38.4%	57.0%	41.3%