

EDINBURGH TRAM NETWORK

Monthly Project Report September 2009



Monthly Report Major Projects

Project: Edinburgh Tram Network

Reporting Period: September 2009

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

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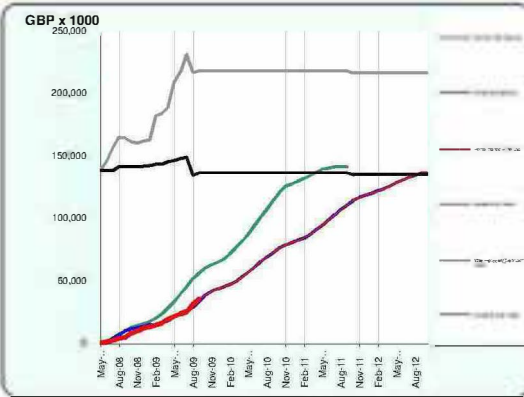
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TBA

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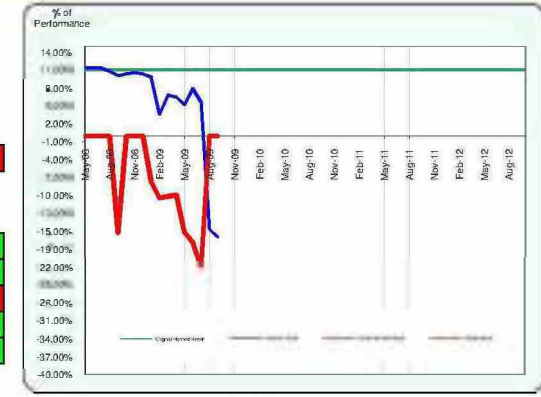
1.01 Project Overview Charts



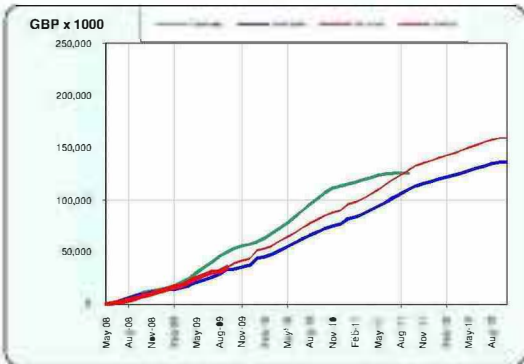
Performance

	Contract Plan Rev.1	Revised Plan actual	Forecast actual	Actual	Status Figures	
Construction start date	15-May-08			15-May-08	12.9 month	red
Construction end date	06-Sep-11	06-Sep-11	02-Oct-12			
Total contract value [GBPx1000]	141,509			136,462		
Claims / Variations approved				11,556		
Claims / Variations not approved				81,190		
Performance		33,875		35,820	105.7%	green
Result	11.07%	0.16%	-16.85%	-0.04%	-17.00%	red
Payment Status		51,584		53,428	103.6%	green
Av.Perf/mth: Rem. & act. 3mth			4,177	3,875		green

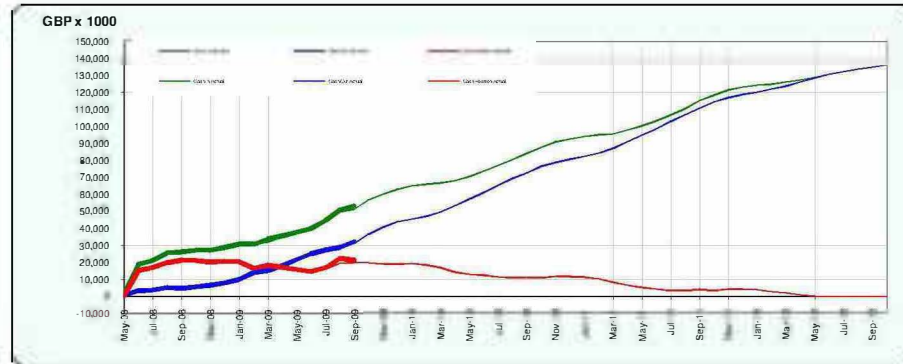
Project Key Figures



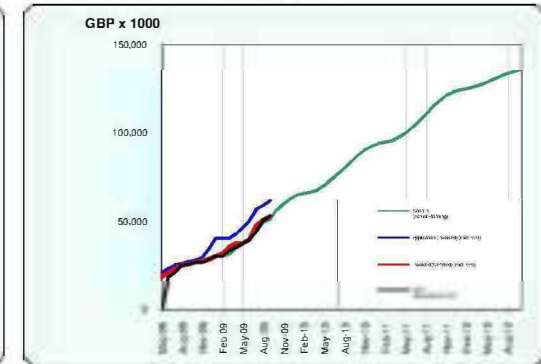
Project Result



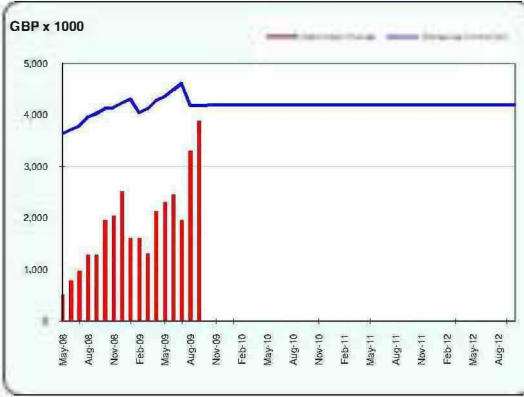
Project Cost



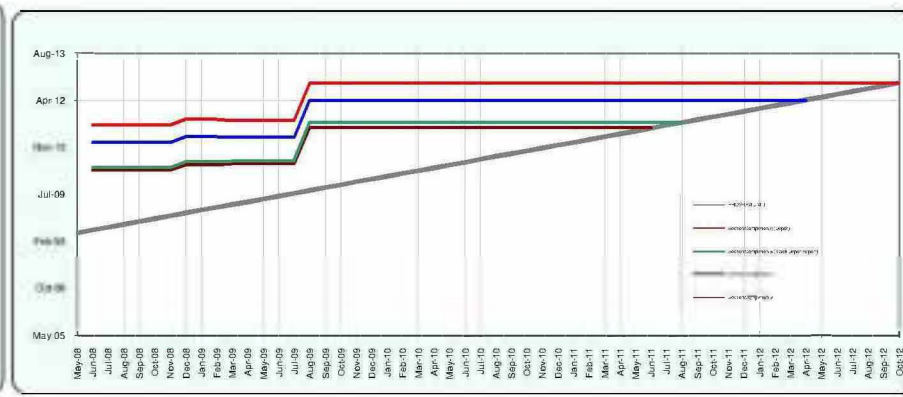
Cashflow



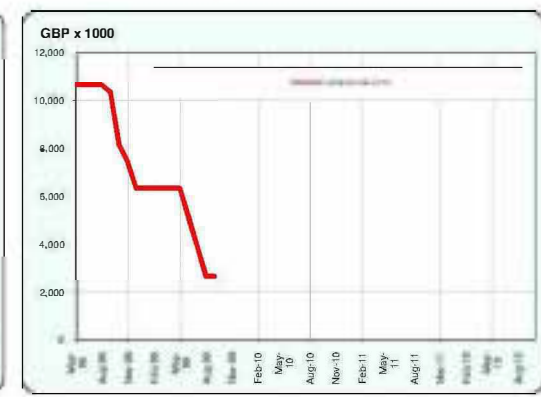
Payment Status



Remaining Performance / Resources



Milestone Trend Analysis



Contingencies vs Risks

Project: **Edinburgh Tram Network**

as per: **30/09/2009**



1.02 Short note on Overview Charts

1.2.1 Performance

The current policy on site is 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. In practice the work available (Princes Street, Edinburgh Park Bridge, Depot and Gogarburn Bridge) on this basis is very limited and the performance result in the month reflects this. In addition instruction to proceed works (Clause 80.15) has been received for Carrick Knowe Bridge and Russell Road Retaining Wall to proceed works on demonstrable cost basis during dispute resolution in accordance with the contract.

==> Please note: Reporting of performance changed as per August to basis of direct job cost instead of budget.

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

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 September adds up to a cumulative result of -14,639 GBP (-0.04%).

The forecast shows a result of -16.85% caused by the fluent situation of the project, i.e. no agreement on over 400 changes, time extension and fundamental contractual disagreements, i.e. Value Engineering, Provisional Sums. Under the current circumstances we do not recognize that the project will result in a large margin, which is reflected in the weighted result of - 0.27 %.

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 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: £ 53,428,212

1.2.5 Cashflow

The ETN project cashflow as per 30.09.09 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: £ 54,070,836 (incl. interest income) /. net cash out £ 32,543,255 = £ 21,527,581 net cash balance

1.2.6 Contingencies

The value for in the tender estimated contingencies was decreased to £ 2,686,470 (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 week extension of time. The actual current delay against this programme is of the order of 14 months. New programme (Rev. 2), to achieve best possible end date, was submitted to tie in May, showing a delay of 13 months (Data date 31.03.2009) against rev. 1 programme. Since the negotiations on extension of time with tie did not result in an acknowledgement of the entitlement, a third programme identifying the delay arising from the MUDFA rev. 8 programme (isolated utility relocation delay) of 9 months have been submitted to tie. No agreement has been reached during the discussions to this programme, therefore this item has been forwarded to dispute resolution in accordance with the contract.

1.03 General Information

1.3.1 Short note on progress, events this month

Mobilisation : Mobilisation (erection of site offices only) now complete. Office extension for accommodation of SDS in Edinburgh Park now completed. SDS will have moved in by end of September.

Design: Production of civil and building drawings in accordance with the original design is 87% 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 ongoing, to achieve an earlier completion of the design.

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. McKenzie and Crummock are working on Princes Street under the terms of the Supplementary Agreement. Negotiation with tie on the changes of the depot were finalized in July and works for the depot building started in August.

Procurement of subcontracts for section 1A1, 1A2 and structures at section 5 is finalized and Letters of Intend were issued.

Construction: Works on Princes Street are progressing as scheduled. 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 started in accordance with the Clause 80.15 instruction by tie.

1.3.2 Significant extraordinary events

Date	Description	Remarks
04/09/2009	<u>Notice of Dispute raised by BSC for valuation of Russell Road retaining Wall & MUDFA Rev. 8 - Delay arising from uncompleted utility works:</u> Dispute Resolution Procedure ongoing.	

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

Date	Description	Remarks
09/09/2009	Instruction by tie in accordance with clause 80.15 of the contract for Russell Road Retaining Wall to execute the works on demonstrable costs until the valuation of works is agreed.	

1.3.4 Status on Major Unapproved Claims / Variations / Changes

473 changes have been notified to date - 61 by tie and 412 by Infraco.
48 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 360 changes requiring estimates.
10 of these are not Bilfinger-related and are just concerning Siemens or CAF.
Infraco has submitted 229 changes (of the 350) for design only or for design and construction works.
90 changes (of the 229) have been approved or partly approved by a written tie change order.
121 estimates are still required.
Of these outstanding 121 estimates, 31 have been accepted in principle by tie, 16 have been rejected and the remainder have neither been accepted nor rejected.
There are 31 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 Share: 75%			Construction end date	06-Sep-11	06-Sep-11	0 days						
	BILFINGER BERGER VWB GMBH Share: 25%			Total excl. Site Removal	40 month	40 month	0 %						
Currency:	GBP	Rp.	(all amounts without V.A.T.)	Expired construction time	16.5 month	16.5 month	42 %						
Rate of Exchange Top Sheet:	1 GBP =	1.25 EUR	Actual: 1.09 EUR	Performance to date	35,820,296 GBP		26 %						
2. Total Contract Value				Total Previous Month		September 2009	Total Reporting Month						
Date of Contract				134,658,569		1,803,544	136,462,113						
Contract Value with Client (revised evaluation)				107.6%			109.3%						
Contract Value with 3rd Parties (without interest)				0 0.0%		0	0 0.0%						
Total Contract Value				134,658,569 107.8%		1,803,544	136,462,113 109.3%						
3a. Provisional Sums				Total Previous Month		September 2009	Total Reporting Month						
SDS Novation Agreement Provisional Sums				1,401,754 1.1%		126,156	1,527,910 1.2%						
3b. Claims and Variations				Total Previous Month		September 2009	Total Reporting Month						
Claims and Variations approved				8,350,606 6.7%		1,677,389	10,027,995 8.0%						
Claims and Variations submitted but not approved yet				53,704,147 43.0%		265,698	53,969,845 43.2%						
Claims and Variations under preparation				28,316,929 22.7%		-1,096,757	27,220,172 21.8%						
4a. Performance				Total Previous Month		September 2009	Total Reporting Month						
Performance for Actual Contract Value with Client				32,037,605 23.79%		3,782,691	35,820,296 26.25%						
Performance for 3rd Parties (without interest)				0 0.00%		0	0 0.00%						
Total Performance to Date				32,037,605 23.79%		3,782,691	35,820,296 26.25%						
Remaining Performance to Date				102,620,964 76.21%			100,641,817 73.75%						
Actual Planned Performance (Planned Performance per report date - Performance Last Month)				32,037,605 23.79%		1,837,000	33,874,605 24.82%						
4b. Cost				Total Previous Month		September 2009	Total Reporting Month						
Actual Cost at Reporting Date				32,020,145 23.78%		3,814,790	35,834,935 26.26%						
5. Result				Total Previous Month		September 2009	Total Reporting Month						
Date of Contract				13,832,170 11.07%									
Planned Result for Contract with Client				-1,628 0.00%		213,996	212,368 0.16%						
Actual Result at Reporting Date				17,460 0.05%		-32,099	-14,639 -0.04%						
Forecast Result at the End of Contract				-20,991,465 -15.59%		-1,998,915	-22,990,380 -16.85%						
Weighted Result at the End of Contract (Likely Case)				2,212,596 1.11%		-2,739,157	-526,560 -0.27%						
6. Invoices, Payment and Bank account				Total Previous Month		September 2009	Total Reporting Month						
Application to the client - excl. VAT incl. Ret. Money				59,395,299 44.11%		2,666,077	62,061,377 45.48%						
Certified by the client (Invoice) - excl. VAT incl. Ret. Money				51,027,866 37.89%		2,400,346	53,428,212 39.15%						
Cash in from the client - excl. VAT excl. Ret. Money				51,027,866 37.89%		2,400,346	53,428,212 39.15%						
Cash in from 3rd Parties - excl. VAT				0 0.00%		0	0 0.00%						
Interest income				624,549 1.95%		18,075	642,624 1.79%						
Cash out (excl. VAT)				29,055,693 21.58%		3,467,562	32,543,255 23.85%						
Net Liquidity creditline				22,596,722 16.78%		-1,069,141	21,527,581 15.78%						
7. Subcontractor Work (incl. Design)				Total Previous Month		September 2009	Total Reporting Month						
Total Portion of Subcontractor Budget				60,353,024 (incl. SDS) 48.32%		90,222,000 67.00%	11,961,584	102,183,584 74.68%					
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				Original planned		Actual / Forecast					Yearly Forecast		
Performance		Original planned											
		2008	2009	2010	2011	2008	2009	2010	2011	2012	Performance and Result in 2008		
Jan		1,706	2,786	2,346		584	1,537	1,837	1,837	1,337	Performance	12,940,002 9.5%	
Feb		2,526	4,026	2,026		1,739	1,837	1,837	1,837		Result	2 0.0%	
Mrz		3,526	5,026	2,526		1,579	2,337	2,837	1,837		Performance and Result in 2009		
Apr		4,526	5,276	2,526		3,035	3,837	3,837	2,337		Performance	31,135,603 22.8%	
Mai	855	5,776	6,026	2,526		500	2,268	3,837	3,837	2,337	Result	-8,713 0.0%	
Jun	1,355	5,776	6,526	1,026		1,052	2,049	3,837	3,837	2,337	Performance and Result in 2010		
Jul	2,375	5,776	6,526	1,026		1,331	1,531	4,337	4,337	2,130	Performance	36,744,000 26.9%	
Aug	2,855	6,026	6,526			1,465	6,312	3,837	3,837	1,837	Result	-9,272,985 -25.2%	
Sep	3,055	4,626	6,526			1,047	3,783	3,337	3,837	1,588	Performance and Result in 2011		
Okt	2,855	4,026	6,526			3,340	3,255	3,837	3,837	22	Performance	38,044,000 27.9%	
Nov	1,535	2,526	5,026			1,725	3,000	2,337	2,337		Result	-9,748,276 -25.6%	
Dez	1,446	1,866	1,706			2,481	2,000	1,837	1,837		Performance and Result in 2012		
Total		16,334	46,678	62,498	13,999	12,940	31,136	36,744	38,044	17,599	Performance	17,598,837 12.9%	
		Linear Calculation				total: 136,462					Result	-3,960,079 -22.5%	
											Total Performance and Result		
											Performance	136,462,442 100.0%	
											Result	-22,990,052 -16.8%	
Edinburgh, 15/10/2009													
Place and Date		M Foerder, Project Director		Place and Date		T Vogt, Commercial Manager							

Project: **Edinburgh Tram Network**
as per: **30/09/2009**



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	136,462	136,462	136,462	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-159,452	-159,452	-159,452
2.1	Unapproved, but in Job Site Estimate integrated Changes	2,229	1,751	1,522	2.1	Unapproved, but in Job Site Estimate integrated Changes			
2.2	Unapproved, but in Job Site Estimate not integrated Changes	75,323	35,741	27,696	2.2	Unapproved, but in Job Site Estimate not integrated Changes	-68,475	-32,492	-25,178
3 = 2.1+2.2	Total unapproved Changes	77,551	37,493	29,218	3 = 2.1+2.2	Total unapproved Changes	-68,475	-32,492	-25,178
4.2					4.2	Cost Risk within Unapproved Changes		-385	-770
4.3					4.3	Outstanding Subcontractor Awards		-3,878	-7,755
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				Σ 4.1 : 4.20	Risks not included in JSE		-7,437	-13,286
5.1	Back Flow of Value Engineering	7,000	6,000	3,000	5.1	Uninsured Economic Losses	2,200	1,000	
5.2	Change Order EOT1	2,500	2,200	1,850	5.2	Interest Income	1,100	1,000	900
5.3	Change Order EOT2	13,200	9,900	6,600	5.3				
5.4	Bonus Payment Milestone Section A	1,200	1,200		5.4				
5.5	Bonus Payment Milestone Section B	1,200	1,200		5.5				
5.6	Bonus Payment Milestone Section C	1,200	1,200		5.6				
5.7	Bonus Payment Milestone Section D	1,200	1,200		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	27,500	22,900	11,450	Σ 5.1 : 5.20	Chances	3,300	2,000	900
6 = 1+3+4+5	Forecast Final Revenue	241,513	196,855	177,130	6 = 1+3+4+5	Forecast Final Costs	-224,628	-197,381	-197,017

		Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)		Revenue	241,513		
		Costs	-224,628		
		Result	16,886		
% Gross Margin based on Revenue Best Case		Revenue: 241,513	6.99%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)		Revenue		196,855	
		Costs		-197,381	
		Result		-527	
% Gross Margin based on Revenue Likely Case		Revenue: 196,855		-0.27%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)		Revenue			177,130
		Costs			-197,017
		Result			-19,886
% Gross Margin based on Revenue Worst Case		Revenue: 177,130			-11.23%
Gross Margin previous month (most likely case)			8.06%	1.11%	-9.86%

Project: **Edinburgh Tram Network**
as per: **30/09/2009**



2.01 Cost Reconciliation Sheet

see following pages

Project: GB-2006-1001AK14 Edinburgh Tram 2009_09
Reporting Month: 15. R.-P. 09.2009, 30/09/2009

COST RECONCILIATION & FORECAST (LUMP SUM 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 IQxDJC-Rate	Variance to Date	Budget Original WQty.	Budget Original AQty.	Budget Agreed Variation Orders AQty.	Budget unappr. VO's AQty.	Budget Total AQty.	Revised DJCt AQty.	% Complete	Cost to Complete (AQ-IQ)	Forecast Final Cost	Forecast Final Variance	Projected Variance (linear)
1	2	3	4	5=3+4	6	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		32,948,85	2,886,083	35,834,935	25,884,598	1,259,02	-8,691,310	41,855,920	6,020,98	125,838,070	125,838,070	10,411,67	1,770,699	138,020,444	159,452,49	26.2 %	117,596,57	153,431,508	-15,411,06	-33,172,939
Prime Cost Sums 0 / 0				0																
Total Cost without Prime Cost Sums		32,948,85	2,886,083	35,834,935	25,884,598	1,259,02	-8,691,310	41,855,920	6,020,98	125,838,070	125,838,070	10,411,675	1,770,699	138,020,444	159,452,49		117,596,573	153,431,50		

LUMP SUM CONTRACT:

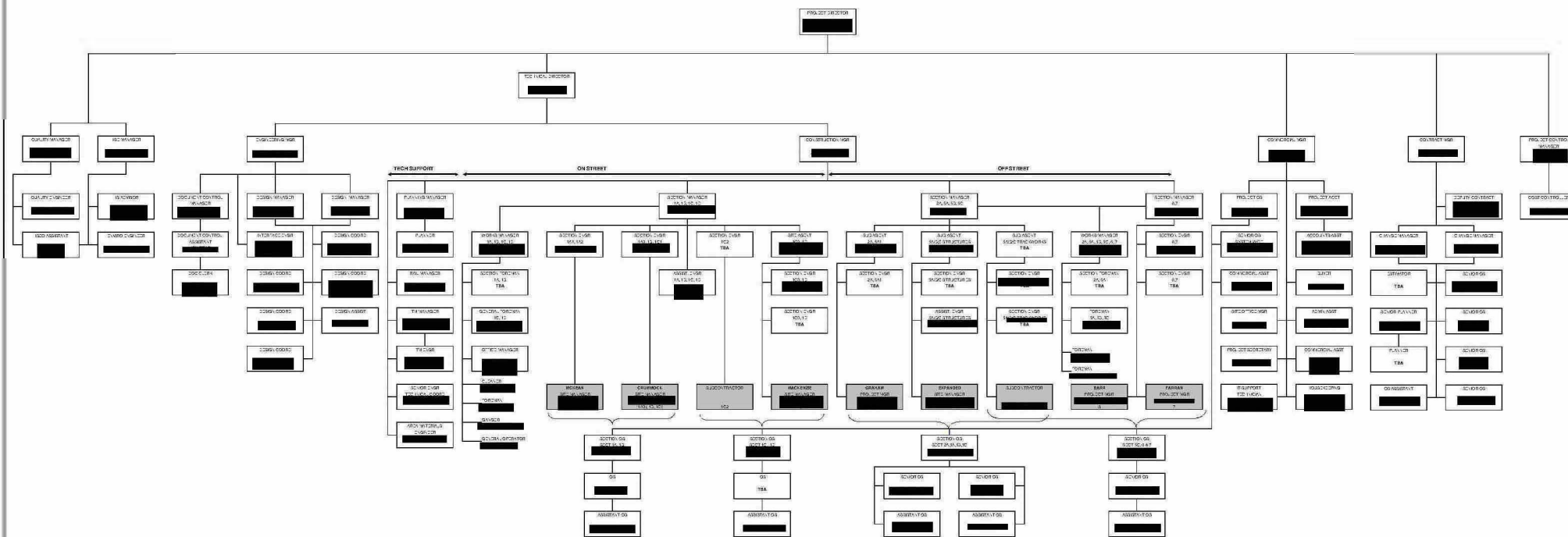
Gross Margin original Contract and agreed VO's (PF = 0.8558, PFB = 1.0016)

Total Cost without Prime Cost Sums	35,834,935	25,884,598		41,855,920	125,838,070	125,838,070	10,411,67	1,770,699	138,020,444	159,452,49		153,431,508
Gross Margin		41,415		-6,035,624	15,670,750	931,861	1,144,229	212,368	-22,990,380			-16,969,395
Gross Margin in % of Performance		0.16 %		-16.85 %	11.07 %	-0.75 %	9.90 %	0.16 %	-16.85 %			-12.44 %
Performance without Prime Cost Sums		25,926,013		35,820,29	141,508,815	124,906,209	11,555,904		136,462,113	136,462,11		136,462,11
Actual Cost to date		35,834,935		35,834,935								
Gross Margin to date		-9,908,922		-14,639								
Gross Margin to date in % of Performance		-38.22 %		-0.04 %								
Performance Prime Cost Sums												
Total Performance		25,926,013		35,820,296	141,508,518	124,906,209	11,555,904		136,462,113	136,462,113		136,462,113
Revenue according WBS												

Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 0.8677, PFB = 1.0024)

Total Cost without Prime Cost Sums	27,143,625	41,855,920	125,838,070	125,838,070	10,411,67	1,770,699	138,020,444	159,452,49	153,431,508
Gross Margin	65,145	-5,537,538	15,670,750	331,026	-21,101,023	-15,080,038			
Gross Margin in % of Performance	0.24 %	-15.25 %	11.07 %	0.24 %	-15.25 %	-10.90 %			
Valued Performance without Prime Cost Sums	27,208,770	36,318,38	141,508,81	124,906,209	11,555,904	1,889,35	138,351,470	138,351,47	138,351,47
Actual Cost to date	35,834,935	35,834,93							
Gross Margin to date	-8,626,165	483,447							
Gross Margin to date in % of Performance	-31.70 %	1.33 %							
Performance Prime Cost Sums (incl. valued performance)									
Total Performance (incl. valued performance)	27,208,770	36,318,382	141,508,815	124,906,209	11,555,904	1,889,357	138,351,470	138,351,470	138,351,470
Revenue according WBS (VO's valued)									
Revenue according WBS (VO's valued by 100%)									

205 Organisation Chart



EDINBURGH TRAM NETWORK
CIVIL WORKS TEAM

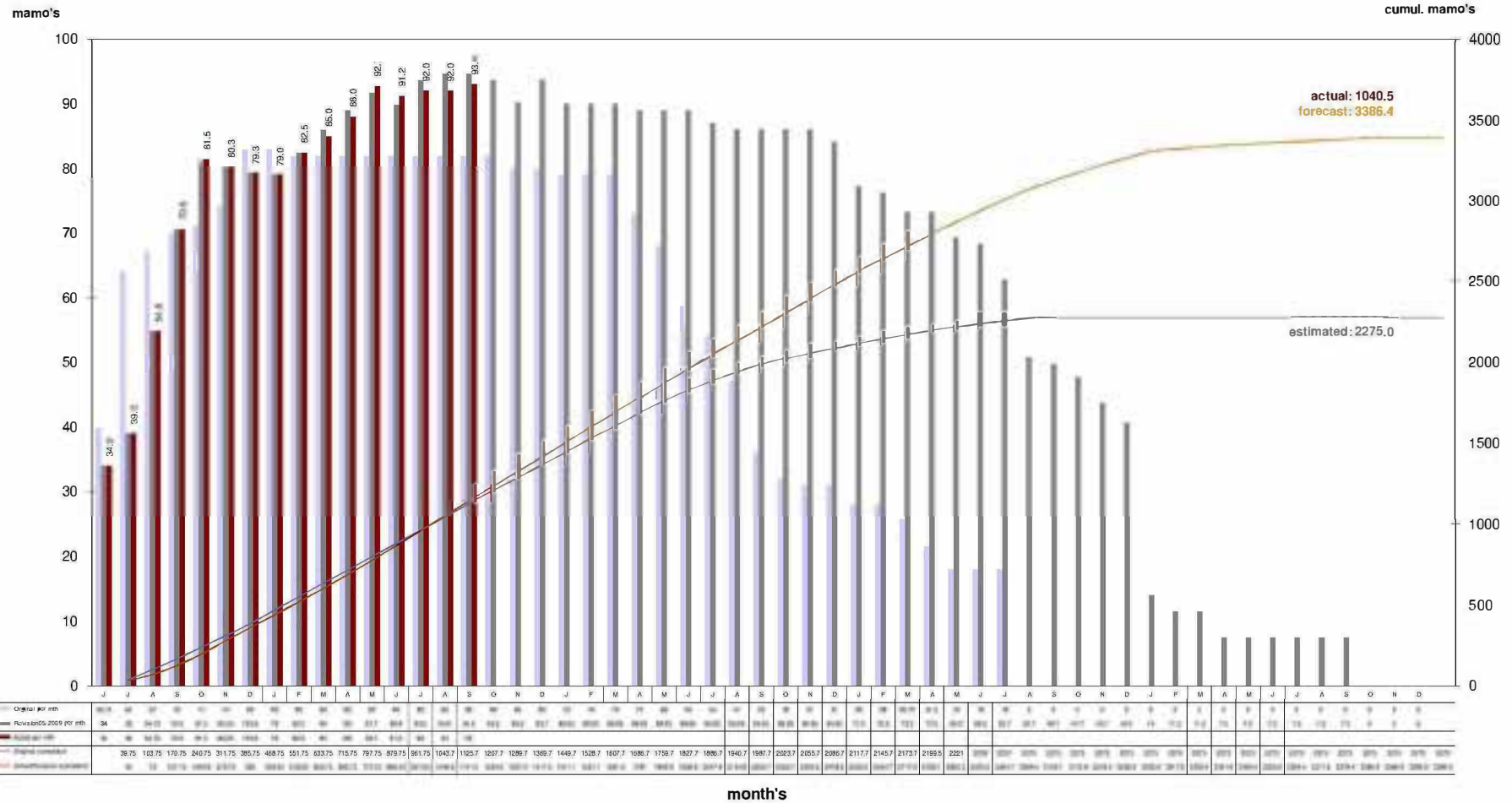
Project: **Edinburgh Tram Network**

as per: **30/09/2009**



2.06 Staff Chart

Staff mammo performance Edinburgh Tram



2.08a Approved Change Orders

INTC-Ref	TCO	Section	Description	Approval		Estimate						Remarks		
				Date	Amount	Budget for performance, design & estimate	Preliminaries	Consortium Fee	Total Budget	OH & P	Revenue		Net	Stage of Completion acc. to Pert Report
			Nova Agree SDS Novation Agreement Provisional Sums	31/07/09	1,527,909.50	1,527,909.50			1,527,909.50					100.00%
			Supp Agree Works carried out under Supplemental Agreement concerning Princes Street	20/03/09	6,050,024.31	4,455,600.42	84,043.38	382,110.00	5,153,667.09	896,357.28	6,050,024.37			100.00%
019		Graham	Archaeological Survey to the Calvey Ate House	19/09/08	5,201.29	4,430.40		327.8	4,758.25	443.04	5,201.29			100.00%
021		Graham	Asbestos in the Caledonian Ate House	19/09/08	5,268.33	4,487.50		332.0	4,819.50	448.83	5,268.33			100.00%
053		SC	NC004-Utilities diversions & associated works	19/09/08	33,722.76	28,539.91		2,323.5	30,863.49	2,859.29	33,722.76			56.00%
057		WSC	Duct installation at Leith Walk	22/01/09	255.00	255.00		273.8	25.50	299.37				100.00%
059		WSC	Notified Departure in acc. With Schedule 4 due to the Asbestos Survey	30/10/08	26,048.00	22,200.00		1,642.8	23,842.80	2,205.20	26,048.00			91.00%
166		1A	TM003-Utilities diversions & associated works	03/12/08	75,693.50	64,070.92		5,215.3	69,286.3	6,407.19	75,693.50			8.52%
176		5C	Demolition of existing garage and fuel tank on Ocean Drive	03/12/08	17,023.00	14,500.00		1,073.0	15,573.00	1,450.00	17,023.00			8.52%
177		5C	Temporary Ramps 2 near the Glasgow Church Road Construct Car Park	17/12/08	6,642.76	5,622.77		6,040.43	562.27	6,642.70				100.00%
178		5C	Move site boundary fencing at Haymarket Car Park	17/12/08	849.53	719.00		777.30	71.23	848.53				100.00%
179		5C	Starter Layer below Subsoil Level at Carrick Knowe	17/12/08	83,028.79	70,280.00		5,720.7	76,000.79	7,028.00	83,028.79			100.00%
180		5C	Demolition of Access Steps to Haymarket Station Car Park	23/01/09	2,020.00	1,710.00		1,835.54	202.00					100.00%
192		15	Discovery of Cable & Wireless ducts - Chainage 108	22/01/09	161.10	136.39		111.10	147.68	13.64	161.10			100.00%
193		15	Additional TRC Drawings as SDS Letter dated 4th July 2008	22/01/09	3,550.18	3,024.00		223.7	3,247.70	302.39	3,550.18			100.00%
188		SA & C	Demolition of existing building at 133 Ocean Drive	02/03/09	5,857.70	4,989.52		369.2	5,358.74	498.96	5,857.70			8.52%
189		WSC	Hardstanding at Haymarket Yards	29/01/09	880.50	750.00		55.5	805.50	75.00	880.50			100.00%
084		SDS & WSC	NC005 Burnside Road Diversion - Fees for design (INF CORR.005)	03/02/09	720.00	613.29		656.6	61.31	720.00				4.700%
19		SDS	Road Construction Details - Construction Methodology Statements for	13/02/09	372,540.13	317,325.50		23,442.0	340,807.50	31,732.55	372,540.13			18.00%
269		15	Instructions arising from Transform Developer Workshop	13/02/09	371,057.99	316,063.00		23,388.6	339,451.66	31,606.30	371,057.96			8.52%
21		TM	Princes Street Construction Works closure to traffic during construction	13/02/09	6,546.55	5,576.28		412.6	5,968.92	557.62	6,546.55			100.00%
159		ALL	Removal of Provisional Sum Main Contract - Relocation Ancient Monuments	1/20/09	53,700.00					53,700.00				100.00%
141		SDS	West End Tramstop - revised requirements from CE/Cite	09/04/09	16,836.17	14,170.50		1,048.8	15,219.12	1,417.05	16,836.17			8.52%
		Depot	Monthly Track Monitoring Network Rail East Coast North Line / Gogar Depot	27/03/09	4,672.52	3,940.00		294.5	4,274.52	394.00	4,672.52			8.52%
173		15	Discovery of underground petrol tank at National Car Rental Site	07/04/09	4,813.40	4,100.00		303.4	4,403.40	410.00	4,813.40			8.52%
		Depot	Temporary Access Ramp from Depot	27/03/09	14,188.73	12,221.80		939.0	13,116.13	1,072.50	14,188.73			100.00%
		Depot	Additional excavated material at Depot	02/04/09	1,425,174.40	1,223,272.73		99,574.4	1,322,847.13	102,327.27	1,425,174.40			84.00%
		15	not concerning											
		15	Scottish Gas Networks - Trial Investigations to protect gas main at Culvert 2	29/04/09	14,123.44	11,943.61		881.40	12,925.09	1,198.36	14,123.45			100.00%
216		31	Discovery of alkathene water pipe above formation level - Chainage 265 RHS	29/04/09	538.57	458.79		303.80	492.77	45.86	538.57			8.52%
218		31	Discovery of 2 No. LV and 1 No. LV cables above formation level - 182 RHS	29/04/09	256.36	218.16		16.13	234.52	21.84	256.36			100.00%
		33	Discovery of Water connection pipework above formation level - 161 RHS	29/04/09	79.95	68.16		5.84	73.14	6.81	79.95			8.52%
223		14	Discovery of stone culvert - Chainage 100 RHS	29/04/09	1,017.53	866.79		619.1	930.93	85.50	1,017.53			100.00%
225		35	Repairs required to footpath to allow pedestrian access - Chainage 170 RHS	29/04/09	283.05	239.59		183.0	259.09	23.96	283.05			100.00%
36		18	Relocate existing Control Box - Section 14	29/04/09	1,109.59	945.13		703.39	1,015.00	94.51	1,109.59			8.52%
		Fairans	Gogar Castle Road tree felling	29/04/09	1,162.26	990.00		713.80	1,063.26	99.00	1,162.26			100.00%
		Fairans	Reinstatement access ramp at Gogar Depot	29/04/09	8,507.39	7,132.21		580.55	7,712.77	794.52	8,507.39			9.34%
		Fairans	Formation Level of Gogarburn Bridge West Abutment	29/04/09	11,556.63	9,728.22		736.50	10,528.60	978.22	11,556.83			100.00%
297		Fairans	Formation Level of Gogarburn Bridge East Abutment	29/04/09	7,260.04	6,162.22		537.38	6,663.42	596.62	7,260.04			100.00%
		Fairans	Dye test and camera survey at Chainage 170 RHS	29/04/09	619.44	527.54		39.0	566.71	51.73	619.47			100.00%
328		15	Reinstatement slabbed footway following MJDA works	29/04/09	1,206.67	1,027.83		719.30	1,103.89	103.94	1,206.67			100.00%
43		15	Instruction to proceed with road surveys	02/06/09	89,050.01	65,011.86	11,552.08	4,864.8	82,448.82	6,601.19	89,050.01			100.00%
45		15	Feasibility Study (Design Only) Fifth Ports access to ADM Milling	29/04/09	1,624.82	1,381.40		1,024.8	1,486.42	168.40	1,624.82			100.00%
46		15	Discovery of temporary pedestrian crossing lighting ducts	29/04/09	656.76	559.42		419.00	600.82	55.94	656.76			100.00%
193		46	Discovery of Hydrant in kerb line - Chainage 333 RHS	29/04/09	390.94	333.00		245.8	357.64	36.36	390.94			100.00%
184		45	Discovery of void around existing BT Duct - Chainage 360 RHS	29/04/09	167.41	142.60		118.84	153.15	14.26	167.41			100.00%
169		45	Demolition of Police Box Coffee Bar - Picardy Place	29/04/09	9,238.76	7,869.87		682.3	8,451.81	786.95	9,238.76			100.00%
49		18	Install additional gull at Chainage 250 RHS	06/05/09	1,856.08	1,579.50		128.5	1,708.11	157.39	1,856.08			6.46%
151		15	Survey of Existing Drainage (Near Landfill)	01/05/09	3,463.11	2,991.41		216.80	3,170.03	292.38	3,463.11			100.00%
151		5C	As Underpass Phase 1 Piling Obstructions	01/05/09	4,015.08	3,420.00		253.0	3,673.00	342.00	4,015.08			100.00%
340		5C	Edinburgh Park Bridge South Abutment Base - Existing service (cable)	01/05/09	530.59	451.90		33.44	485.39	45.20	530.59			100.00%
390		5C	Carrick Knowe chainage 520200 to 520240 - sub-grade improvement	15/05/09	84,700.11	71,699.73		5,835.9	77,530.66	7,169.47	84,700.15			100.00%
54/54a		SDS	Alteration of Design for the Forth Road	15/05/09	11,932.54	10,164.03		780.14	10,916.14	1,016.40	11,932.54			8.52%
151		5C	Scottish Power Utility Diversion near Murrayfield Station	05/06/09	6,889.80	6,188.50	1,217.55	814.80	7,920.95	766.85	6,889.80			100.00%
167		5A	Accommodation Works to Wanderers Clubhouse Building at Murrayfield	26/05/09	166,275.33	141,631.45		10,480.7	152,112.19	14,163.95	166,275.33			100.00%
338		15	Remove ornamental iron balls from Gogar Hill Depot	26/05/09	301.15	301.15		301.15	301.15	301.15				100.00%
042		SDS	Delay and Disruption to Ravenshaw Tramstop Landscaping	01/06/09	2,409.05	2,052.00		151.6	2,203.85	205.20	2,409.05			100.00%
392		5B	Pier 1 Base Formation - Section 5B	03/06/09	408.65	408.65		408.65	408.65	408.65				100.00%
336		WSC	Extension to Site Office for the SDS personnel	02/06/09	150,000.00	120,096.08	21,015.81	8,887.11	150,000.00	0.00	150,000.00			20.00%

Project: **Edinburgh Tram Network**

As per: **30/09/2009**



2.08a Approved Change Orders

INTC-Ref	TCO	Section	Description	Approval			Estimate						Remarks	
				Date	Amount	Budget for performance, design & estimate	Preliminaries	Consortium Fee	Total Budget	CH & P	Finance	W&M		Stage of Completion acc. to Perf Report
349	79	79	Traffic Management contingency for Emergency Utility Works	02/06/09	404.70	300.00	52.50	22.2	374.70	30.00	404.70	7.41%	100.00%	
350	79	79	Section 1C/1D - Additional MASS barriers on Great Stuart Street	02/06/09	915.27	678.48	118.74	50.0	847.42	67.85	915.27	7.41%	100.00%	
371	80	80	Sewer Diversion, Gogar Landfill	06/06/09	1,433.79	1,213.64	85.75	0.0	1,312.43	121.36	1,433.79	8.46%	100.00%	
380	80	80	Fanars Protected Sileoles mitigation measures	05/06/09	9,262.22	6,862.23	1,204.46	509.3	8,576.00	686.22	9,262.22	7.41%	100.00%	
273	80	80	Gogarburn Retaining Wall W14 - Redesign Water Mains and Gas Main	02/06/09	1,156.57	981.38	157.84	77.0	1,058.4	98.17	1,156.57	8.46%	100.00%	
200	80	10	Discovery of valves and a hydrant fouling the new kerb line - 120 RHS	10/06/09	407.80	457.83	80.12	30.0	571.83	45.78	617.61	7.41%	100.00%	
276	87	79	Temporary Traffic Lights opposite Manderson Street required	09/06/09	15,084.79	11,182.21	1,956.89	327.00	13,966.59	1,118.22	15,084.80	7.41%	100.00%	
243	88	88	Forth Ports Substation - lack of as built information	10/06/09	7,824.12	6,664.50	1,159.62	493.11	7,457.61	366.51	7,824.12	8.52%	100.00%	
290	89	79	Off peak Taxi Rank at George Street	10/06/09	2,213.71	1,641.00	287.18	121.43	2,049.61	164.10	2,213.71	7.41%	100.00%	
409	70	88	Forth Ports - New construction at Ocean Drive	10/06/09	2,817.60	2,400.00	417.60	177.6	2,577.60	240.00	2,817.60	8.52%	100.00%	
259	72	88	Cycleway at Edinburgh Park Station repositioned outwith the LDD	15/06/09	52,094.65	39,609.70	5,340.5	3,221.4	48,171.69	3,922.96	52,094.65	7.53%	29.00%	
171	73	73	Contract with Faber Maunsel for Transit and Line Modelling Assessments	16/06/09	64,309.00	48,043.00	8,407.53	3,555.11	60,005.71	4,809.29	64,809.00	7.41%	100.00%	
373	74	74	Fanars Transfer MUDFA Utility Diversion Sect. 5C Conflict Schedule 5C/TE/D/05	17/06/09	3,269.10	2,379.41	456.05	193.6	3,031.16	237.95	3,269.11	7.28%	100.00%	
375	74	74	Fanars Transfer MUDFA Utility Diversion Sect. 5C Conflict Schedule 5C/TE/D/05	17/06/09	855.81	622.91	118.8	50.75	793.52	62.29	855.81	7.28%	100.00%	
376	76	76	Graham Contaminated Soil assessment at Hainmarket Depot	11/06/09	48,543.77	35,985.00	6,297.38	2,662.8	44,945.2	3,598.50	48,543.77	7.41%	100.00%	
439	77	77	ALL SDS proposed office move to Edinburgh Park - IT costs	07/07/09	26,000.00	20,756.12	3,632.32	1,535.9	25,924.39	2,075.61	28,000.00	7.41%	100.00%	
2030	79	79	Depot Structural Steelwork	15/07/09	270,372.81	196,792.25	37,882.51	16,018.8	250,693.55	19,679.22	270,372.87	7.28%	100.00%	
2038	79	79	Depot Foundations	15/07/09	47,782.16	34,778.48	6,694.85	2,830.9	44,304.31	3,477.85	47,782.16	7.28%	100.00%	
421	81	81	Restatement to Bus Link	23/07/09										CG Value not issued - to be paid on Demonstrable Cost Basis
421	81	81	not concerning											
421	81	81	TM-1C Replace MASS barriers at St Andrews Square	14/08/09	22,896.58	16,973.00	2,970.28	1,256.0	21,199.28	1,697.30	22,896.58	7.41%	81.00%	
438	83	83	not concerning											
476	84	84	West Pilton Tram stop	29/07/09	859.37	732.00	127.37	50.75	786.1	73.20	859.37	8.52%	100.00%	
476	84	84	Provide local protection of sewer at Chainage 711990	31/07/09	2,696.95	1,999.22	349.86	147.84	2,497.02	199.93	2,696.95	7.41%	100.00%	
179	84	84	Gatehouse Works to Murrayfield Stadium Part 1	08/08/09	143,493.91	122,226.50	1,044.7	9,044.7	131,271.26	12,222.65	143,493.91	8.52%	38.00%	
179	84	84	not issued yet											
179	84	84	not issued yet											
193	89	89	Leith Walk (Section 10) Groundworks - Move THUS ducts - Ch 345 - 385	11/09/09	6,562.03	4,864.31	651.25	359.9	6,075.80	486.44	6,562.04	7.41%	100.00%	
202	89	89	Fanars IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	09/09/09	19,368.47	9,730.32	1,873.08	792.0	12,395.45	693.02	19,368.47	7.28%	-5.00%	
202	89	89	not issued yet											
401	92	92	Additional earthworks to western approach embankment at Gogarburn Bridge	13/09/09	36,616.19	26,651.24	5,130.37	2,169.41	33,951.06	2,665.13	36,616.19	7.28%	100.00%	
2030	93	93	Secondary Steelwork	17/08/09	2,355.95	1,714.79	330.10	139.5	2,184.4	171.48	2,355.95	7.28%	100.00%	
2030	93	93	Access at Newmillston	20/09/09	5,827.59	4,282.9	764.59	331.7	5,999.30	428.29	5,827.59	7.35%	100.00%	
115	88	88	IFC Drawing Change Carrickknowe Bridge	27/08/09										
115	88	88	IFC Drawing Change Carrickknowe Bridge	31/09/09	1,229.73	1,040.91	188.82	78.89	1,125.64	104.09	1,229.73	8.46%	100.00%	CG Value not issued - estimate was referred to Dispute Resolution Procedure
107	87	87	Depot Hard material within Gogar excavation	02/09/09	35,806.89	26,062.23	5,015.98	2,121.4	33,200.67	2,606.22	35,806.89	7.41%	100.00%	
107	87	87	Reference ETN002 Edinburgh Park Structure (S27) Earthworks/Foundations	04/09/09	52,388.71	37,750.58	7,302.5	3,050.3	48,613.64	3,775.07	52,388.71	7.41%	100.00%	
337	88	88	Restoration to carriageway at Leith Walk	03/09/09	15,452.46	11,454.73	2,004.58	807.88	14,306.99	1,145.48	15,452.46	7.41%	100.00%	
100	100	100	not concerning											
100	100	100	not issued yet											
103	103	103	not issued yet											
104	104	104	not issued yet											
105	105	105	IC Changes September 2009		3,430.43	2,922.00	508.43	216.22	3,138.23	292.20	3,430.43	8.52%	100.00%	
TOTALS:					11,555,904.49	9,718,868.86	49,521.13	643,285.24	10,411,675.22	1,144,229.25	11,555,904.50	9.90%		

2.08b Unapproved Changes

INTC Ref	T/C3	Section	Description	Assessment			Status				Working Estimate						Remarks		
				Maximum	Minimum	Minimum	Submitted	to be submitted	In principle agreed, but not approved	not agreed	Budget for performance, design & estimate	Other Prelims 17.5%	Consortium Fee 7.4%	Total Budget	CH&F	Revised		HKD	Stage of Completion acc. to Perf Report
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
001		Farrans	IFC dates entered into the Schedule Part 15 (Sect 1A-1D)				3,109,422.00												
001		Delay Only	Instruction to proceed with Hilton Hotel Car Park	90,059.00			102,845.92										100.00%		
005		Delay Only	Instruction to proceed with Russell Road Bridge																
005		Delay Only	Instruction to proceed with Haymarket Viaduct																
005		Delay Only	Instruction to proceed with Gogarburn Bridge																
009		Delay Only	Archaeological Dig currently ongoing in area Gogar Tramstop - Sect. 7																
011		Delay Only	Archaeological Dig currently ongoing in area Gogar Tramstop - Sect. 5 C																
012		Delay Only	Archaeological Dig at Gogar Tramstop causes damage to Tram Gorrider																
013		Delay Only	No completion of 400 mm dia Water Main Diversion in Depot Area														no further action under this INTC Ref.		
015		Delay Only	No completion of 250 mm dia Water Main Diversion in Depot Area																
015		Delay Only	No completion of 1500 mm dia Sewer Diversion in Depot Area																
017		Delay Only	South Gyle Access Bridge west abutment filled foundations	72,503.54	55,000.00	50,000.00	72,503.54												
017		Delay Only	No completion of various Utility Diversions in Depot area	250,000.00	225,000.00	200,000.00	44,745.33	205,253.57											
019		Delay Only	Asbestos in existing Steps to Haymarket Station Carpark															no further action under this INTC Ref.	
021		Delay Only	Instruction to proceed with Verly House Access Road pre IFC																
025		Delay Only	Instruction to proceed with demolition of Caley Ale House pre IFC																
025		Delay Only	Delay to issue of Picardy Place (Batch 1/3) to CEO for Prior Approval																
027		Delay Only	Delay to IFC Submissions (Sect. 1 D) due to chartered approval periods																
028		Delay Only	Delay to IFC Submissions (Sect. 1 B) due to changed approval periods																
030		Delay Only	Instruction to SDS to accelerate Delivery of IFC to Meet BBS															no further action under this INTC Ref.	
032		Delay Only	CEC failure to approve within agreed timescales															no further action under this INTC Ref.	
033		Delay Only	Network Rail failure to approve within agreed timescales																
033		Delay Only	New Requirements by Public Realm Design Workbook (SDS Letter 546)																
045		Delay Only	Delay and Disruption to Crew Road Gardens Bridge IFC															no further action under this INTC Ref.	
046		Delay Only	Delay and Disruption to Roseburn Terrace Bridge, Tramstop, Ret. Walls																
047		Delay Only	Delay and Disruption to Roads detailed design as SDS Letter 01074																
047		Delay Only	Delay and Disruption to Roads detailed design as SDS Letter 01074																
047		Delay Only	Delay and Disruption to Ground Investigation																
047		Delay Only	Delay and Disruption to Ravensloft Tramstop, Dykes Bridge																
043		Delay Only	Amendments to Ocean Terminal Layout	148,451.25	75,000.00	-25,000.00	148,451.25												no further action under this INTC Ref.
043		Delay Only	Delay and Disruption due to amended design A25920 Harbour St Tram Stop																
043		Delay Only	Delay and Disruption due to amended design SDS2500040																
047		Delay Only	Delay and Disruption due to amended design SDS24720																
047		Delay Only	TNC 6 Bernard Street Public Realm Works	1,306,728.22			1,306,728.22												not concerning BBS UK/SDS
053		Delay Only	TNC004 Water Main Diversion Only	126,513.46	75,000.00	50,000.00	126,513.46												
054		Delay Only	TNC007 St Andrew Square Public Realm Works as CEC specification	11,407,569.57			11,407,569.57												
054		Delay Only	Delay & Disruption due to late approval CEC of SDS 27980																
054		Delay Only	Delay & Disruption by CEC due to late registering Section 1A Batch 1/08																
057		Delay Only	Delay & Disruption due to late approval CEC of Section 1 D																
058		Delay Only	Notification from CEC with respect to road safety Auditor's comments for Haymarket																
059		Graham	Notified Disruption in acc. With Schedule 4 due to file Asbestos Survey	14.80		14.80													part approved (see 2.08a); figures here concerning not approved portion
060		SDS Farrans	Diversion of Existing Sewer at Gogarburn Bridge - conflict with the 300 mm dia	49,932.10	34,129.99	34,129.99	49,932.10												
061		SDS Farrans	Intraco to investigate proposals for reuse of RMS Bunded Material	194,781.65	31,783.63	31,783.63	194,781.65												
061		Delay Only	Draw down from Defined Drawdown Item 2 - Power connections to Depot																no further action under this INTC Ref.
061		Delay Only	Installation of Cable for Signalling at Gogarburn Tramstop																not concerning BBS UK/SDS
064		Delay Only	TNC009 Ocean Terminal Revised Finishes	4,155.78	3,500.00	3,000.00	4,155.78												
064		Delay Only	Murrayfield Retaining Walls - Introduce Visual Pattern to Murrayfield R/W	3,243.19	2,750.00	2,500.00	3,243.19												
064		Delay Only	TNC 218 Murrayfield Retaining Walls																
064		Delay Only	Revised specification (RMS) Gogarburn Tramstop Version 2	7,683.07	5,000.00	5,000.00	7,683.07												
066		SDS WSC Farrans	Revised specification (RMS) Gogarburn Tramstop Version 2	2,000,000.00	1,750,000.00	1,500,000.00		2,000,000.00											
067		SDS	Murrayfield Tramstop - Provision of Secondary Staircase	32,648.35	25,000.00	15,000.00	32,648.35												
067		Delay Only	Edinburgh Park - Earthworks and Drainage IFC Drawings																
067		Delay Only	Gille Stop Retaining Walls																
067		Delay Only	Bankhead Retaining Walls																

2.08b Unapproved Changes

INTC Ref	TC2	Section	Description	Assessment			Status				Working Estimate						Remarks
				Maximum	assessed	Marked	Submitted	to be submitted	In principle agreed, but not approved	not agreed	Budget for performance, design & estimate	Other Prelims 17.5%	Consortium Fee 7.4%	Total Budget	Q109	Revenue	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
368		5A	Demolish all Structures on Plots nos.97 and 102 near Roseburn Street	25,000.00	20,000.00	15,000.00		25,000.00									
369		5C	Maintain Thus and G & W services and dismantle water main at Underpass	10,000.00	7,500.00	5,000.00		10,000.00									
370		5C	Existing Ground levels at Edinburgh Park Bridge	88,296.76	65,000.00	50,000.00		88,296.76									
371	5C	5C	Transfer MUDFA Utility Diversion Sect. 5C Conflict Schedule 5C/IT/D/05	639.33				639.33									
372	5C	5C	Transfer MUDFA Utility Diversion Sect. 5C Conflict Schedule 5C/TE/D/05	1,676.71		730.90		1,676.71									
373		5C	IFC Drawing Changes - Soil Nailing and Earth Treatment Gogar Landfill area	601,543.49	500,000.00	400,000.00		601,543.49									
374a		5C	Additional monitoring and testing to landfill area	70,024.90	50,000.00	35,000.00		70,024.90									
375		5C	Revised OLE foundation and layout to Section 1	73,526.45	55,000.00	60,000.00		73,526.45									
376		5C	Redesign of OLE poles foundations due to increased loadings - Line 2	85,723.13	75,000.00	65,000.00		85,723.13									
377		5C	Amend OLE system design documents	7,643.91	7,500.00	7,000.00		7,643.91									
378		5C	Amend site wide OLE Building lifting loads and layout drawings	7,349.24	7,250.00	7,000.00		7,349.24									
379		5C	Combined OLE Pole Lighting poles	55,485.59	52,500.00	50,000.00		55,485.59									
380		5C	Amend OLE fixings at Depot Access Bridge	23,512.87	22,500.00	21,000.00		23,512.87									
381		1C	Section 1C/ID - Charlotte Square West End On Parking	2,954.31				2,954.31									
382		1C	Section 1C/ID - Bus Gate at Shandwick Place	3,398.06				3,398.06									
383		1C/D	Section 1C/ID - Princes Street Rhino Barrier	1,000.00				1,000.00									
384		1C/D	Section 1C/ID - Saturn Studs at Georlie Street and Frederick Street	60.26				60.26									
385		1C/D	Section 1C/ID - Additional Traffic Management at Princes Street	1,000.00	750.00	500.00		1,000.00									
386		1C	Section 1C - Bus Stand at St Andrews Square	1,000.00	750.00	500.00		1,000.00									
387		1C	Section 1C - VMS Signs on Princes Street Contingency Route	1,000.00				1,000.00									
388		1C/D	Section 1C/ID - Production of As Built Drawing for Princes Street Diversion	1,000.00				1,000.00									
390	53	5C	Carriac Krowe chainage 520200 to 520249 - sub-grade improvement	13,801.39	13,801.39	13,801.39		13,801.39									
391	12/C	5C	Access to Leith Walk from 19/03/09														
392		5C	Access to Leith Walk from 19/03/09														
393		5C	Access to Leith Walk from 19/03/09														
394		5C	Access to Leith Walk from 19/03/09														
395		5C	Access to Leith Walk from 19/03/09														
396		5C	Access to Leith Walk from 19/03/09														
397		5C	Access to Leith Walk from 19/03/09														
398		5C	Access to Leith Walk from 19/03/09														
399		5C	Access to Leith Walk from 19/03/09														
400		5C	Access to Leith Walk from 19/03/09														
401		5C	Access to Leith Walk from 19/03/09														
402		5C	Access to Leith Walk from 19/03/09														
403		5C	Access to Leith Walk from 19/03/09														
404		5C	Access to Leith Walk from 19/03/09														
405		5C	Access to Leith Walk from 19/03/09														
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407		5C	Access to Leith Walk from 19/03/09														
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409		5C	Access to Leith Walk from 19/03/09														
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433		5C	Access to Leith Walk from 19/03/09														
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435		5C	Access to Leith Walk from 19/03/09														
436		5C	Access to Leith Walk from 19/03/09														
437		5C	Access to Leith Walk from 19/03/09														
438		5C	Access to Leith Walk from 19/03/09														
439		5C	Access to Leith Walk from 19/03/09														
440		5C	Access to Leith Walk from 19/03/09														

2.08b Unapproved Changes

MTC Ref	YCD	Section	Description	Assessment			Status				Working Estimate							Remarks	
				Maximum	assessed	Minimum	Submitted	to be submitted	In principle agreed, but not approved	not agreed	Budget for performance, design & estimate	Other Prelims 17.5%	Contingium Fee 7.4%	Total Budget	OH&F	Revenue	NPV		Stage of Completion acc to Perf Report
				1	2	3	4	5	6	7	8	9	10	11	12+10+11	13 - 11/12	14		
407		5A	Carriek Knowe works out with the LOD	4,323.55	4,000.00	3,500.00	4,323.55					4,323.55							
408		5A	Utilities conflicts within 1.2 metre clearance zone	50,000.00	30,000.00	20,000.00		50,000.00											not concerning UK/SDS
409		5A	Site Wide Contamination	75,000.00	60,000.00	50,000.00		75,000.00											
442		5A	Track Drainage - Section 5A	71,936.55	60,000.00	50,000.00	71,936.55												
443		Delay Only	Notified Departure due to the issue of SDS Design programme V44																
444		Delay Only	Notified Departure due to the issue of SDS Design programme V45																
445		Delay Only	Notified Departure due to the issue of SDS Design programme V46																
446		Graham	Roseburn Delta Junction Landscaping	10,000.00	7,500.00	5,000.00		10,000.00											
447		1C	Revised CLE location due to Scottish Power - Princes St station 121995	3,000.00	2,000.00	1,500.00		3,000.00											
448		5A	Change to street lighting at Haymarket Terrace	3,000.00	2,000.00	1,500.00		3,000.00											
449		5A	5AA New Burnside Road Alignment	10,000.00	7,500.00	6,000.00		10,000.00											
451		5A	Stage D Drawings for Tram Stops	5,000.00	4,000.00	3,000.00													
452		5A	5A Drainage to Guided Busway (IL)																not concerning UK/SDS
453		5A	5A Drainage to Guided Busway (IL)																
454		5A	Alteration of traffic management at Lothian Road Junction	5,000.00	4,000.00	3,000.00		5,000.00											
455		5A	Proposal for treating Giant Hogweed at Edinburgh Park Central	25,000.00	20,000.00	15,000.00		25,000.00											
456		ALL	Re-use of existing kerbs	20,000.00	15,000.00	10,000.00		20,000.00											
457		5A	Edinburgh Park Bridge - revision to reinforcement to parapets	15,000.00	12,500.00	10,000.00		15,000.00											
458		5A	Revised Junction Layouts - Section 1A																
459		ALL	TRO changes - Informal consultation	91,501.56	75,000.00	60,000.00		91,501.56											
460		ALL	TRO changes - Informal consultation - impact on IFC Drawing issue dates	187,901.75	150,000.00	120,000.00		187,901.75											
461		1A	Forth Ports Substation - redesign	50,000.00	40,000.00	30,000.00		50,000.00											
462		5A	Network Rail turning head lighting	10,000.00	7,500.00	5,000.00		10,000.00											
463		5A	Forth Ports drainage approval	5,000.00	4,000.00	3,000.00		5,000.00											
464		5A	Gogarburn Retaining Walls W14 and W15 - Survey and burn migration	50,000.00				50,000.00											
465		5A	Redesign of Drainage at 5AA/CCRC interface	10,000.00	7,500.00	5,000.00		10,000.00											
466		ALL	Changes to TRO 1 Drawings	10,000.00	7,500.00	5,000.00		10,000.00											
467		5A	5AA Drainage at Depot	20,000.00	15,000.00	10,000.00		20,000.00											
468		5A	Underground Chamber - West Midland Street	50,000.00	40,000.00	30,000.00													
469		5A	Utility Diversions associated with Lindsay Road	50,000.00	40,000.00	30,000.00		50,000.00											
470		1A	Accommodation Works - Relocate Access steps at 33 Ocean Drive	10,000.00				10,000.00											
471		5A	IFC drawing changes - Section 5A - Ducting and Cable Routes	768,965.31	600,000.00	500,000.00		768,965.31											
472		5A	Developed kinematic envelope (DKE) check	15,119.77	12,500.00	10,000.00	15,119.77			10,647.36									
473		5A	Construction of 3 no. sewer protection slabs and new chamber at Lindsay Road	100,000.00	90,000.00	80,000.00		100,000.00											
474		5A	Additional manhole requirement - Section 5A	8,847.79	7,000.00	6,000.00		8,847.79											
475		5A	reserved for C Fuller	99,950.27	75,000.00	60,000.00		99,950.27											
476		5A	Tram Stops Development Workshop	25,000.00	20,000.00	15,000.00		25,000.00											
477		ALL	Sub Station Development Workshop - changes arising	25,000.00	20,000.00	16,000.00		25,000.00											
478		5A	issued to Closeout CEC Roads TAA Sign CHG	2,000.00	1,500.00	1,000.00		2,000.00											
479		5A	Proposed sewer lining at Water of Leith Bridge	10,000.00	7,500.00	5,000.00		10,000.00											
480		5A	Approach Road Protection (T. Gilchrist)																
481		5A	Tower Place bridge bespoke parapet																
482		5A	CEC's request for a turning head at Depot	10,000.00	7,500.00	5,000.00		10,000.00											
483		ALL	Changes to sub-stations arising from development workshops	25,000.00	20,000.00	15,000.00		25,000.00											
484		5A	Gulvert 1 - Excavation below formation level	25,000.00	20,000.00	15,000.00		25,000.00											
485		5A	Manderston Street operational track crossover	25,000.00	20,000.00	15,000.00		25,000.00											
486		5A	Gogar Depot South embankment reinstatement and associated drainageworks	50,000.00	40,000.00	30,000.00		50,000.00											
487		5A	Development workshop for drainage - changes arising	20,000.00	15,000.00	10,000.00		20,000.00											
488		5A	Piling obstructions encountered at guided busway	20,000.00	15,000.00	10,000.00		20,000.00											
490		5A																	
491		5A	Diversion of cables at Tower Place bridge	10,000.00	7,500.00	5,000.00		10,000.00											
500		Up/In	Other Prelims, additionally submitted, but not yet approved	338,620.13	338,620.13	338,620.13	338,620.13												
TOTALS:				77,551,379	37,492,557	29,218,004	53,969,845	27,220,172	8,174,681	45,795,166	1,264,591.56	416,341.41	89,465.72	1,770,398.69	118,957.62	1,889,356.31	6.30%		

Sum for Performance Sheet "Claims & Variations submitted & approved" = 53,969,845
 Sum for Performance Sheet "Claims & Variations under preparation" = 27,220,172
 sum = maximum potential of changes = 81,190,017

Project: **Edinburgh Tram Network**
 as per: **30/09/2009**



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													
1	MONTH												
May-08	ACCU	500,000	21,389,899	19,100,000	-2,289,899	0	0	0	19,100,000	30/06/2008		0	
									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	ACCU	1,552,000	23,803,998	21,389,899	-2,414,100				21,389,899			19,100,000	
									-21,389,899	11/08/2008	04/07/2008	2,289,899	
3	MONTH	-1,552,000	-23,803,998	-21,389,899	2,414,100	0	0	0	0			21,389,899	
									26,524,252	11/09/2008	01/08/2008	4,394,360	
4	MONTH	4,348,256	26,720,722	25,784,259	-936,463	0	0	0	25,784,259	29/08/2008	29/08/2008	25,784,259	
Aug-08	ACCU	4,348,256	26,720,722	25,784,259	-936,463				25,784,259			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	ACCU	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	103,259	0	0	0	809,079	14/11/2008	31/10/2008	809,079	
Oct-08	ACCU	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	ACCU	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	ACCU	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	ACCU	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	ACCU	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	ACCU	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	ACCU	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	ACCU	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	ACCU	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	ACCU	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	3,020,906	843,567	0	0	0	3,020,906	25/08/2009	05/08/2009	6,220,906	paid: Phase 1B
Aug-09	ACCU	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	ACCU	35,820,296	62,061,377	53,428,212	-8,633,165				53,428,212			53,428,212	
												53,428,212	
												(w/o Advance Payment)	
												53,428,212	
												(with Advance Payment)	

Project: **Edinburgh Tram Network**
 as per: **30/09/2009**



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	3	0	0%	3 outstanding

2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	% Comp'd	Raised		Closed out		
					Total	Month	Total	Month	%
1A	122	0	0	0%	1	0	0	0	0%
1B					0	0	0	0	0%
1C	13	11	0	0%	3	3	1	1	33%
1D	34	19	0	0%	2	1	0	0	0%
2					4	0	3	0	75%
5A					0	0	0	0	0%
5B	14	3	1	7%	8	3	3	0	38%
5C	6	0	0	0%	1	0	1	0	100%
6	27	3	0	0%	5	4	0	0	0%
7	68	7	10	15%	2	0	2	1	100%
System NCRs (non-audit)					18	4	10	4	56%
Cancelled					3	0	3	0	100%

3. Further quality-related events during this month

(please describe shortly)

An 'ITP Packaging Readiness Workshop for Princess Street Works' has been arranged for Sub-Contractors Crummock and MacKenzie, as well as Bilfinger Berger Supervisory Staff - has been arranged for the 14th of October 2009, to which tie's Quality Manager has been invited. The Objective of the Workshop is: 'for Sub-Contractors and BSC Supervisory staff to be aware of the Approved [by tie] Procedure for Planning, Execution and Packaging of ITPs in readiness for the completion of the Princess Street Works [1C/1D] around the end of November 2009'

During the last two periods tie and its consultant Deloitte have carried out five 'ETN Clause 104' type audits at several different sites, although not all Audit Reports have been received to-date.

tie have notified BSC of two Design Safety Assurance Audits to take place on the 01st of October and 18th of November 2009. BSC await conformation that the Design Safety Assurance audit scheduled for the 13th of October 2009 will go ahead.

An Internal 'BSC Technical Change Management Audit' is scheduled for the next period.

Project: Edinburgh Tram Network



as per: 30/09/2009

2.12 Safety Information System - SIS

Month September 2009		Prep by [redacted]			Jim [redacted]	Contact phone or email. [redacted]	
Site or office and Unit ⁵ ETN	BB Site, Office ¹ and managers, (incl R&T's)	BB Supervisors ¹ & workers (incl R&T's)	JV people & S/C ³	Agency / hired people under BB control	Total	Others, eg public	
Number	68	0	325	25	418		
Hours ²	15,300	0	59,505	4,925	79,730		
Accidents							
Fatal	0	0	0	0	0	0	
Serious: over 3 days off work	0	0	0	0	0	0	
Travelling / commuting 3D+	0	0	0	0	0	0	
LTI: 1 -3 days off work	0	0	1	0	0	0	
1st Aid only	0	0	0	0	0	0	
Total days lost	0	0	0	0	0	0	
Causing damage							
	0	0	4	0	0	0	
Ecology / Pollution							
	0	0	0	0	0	0	
Not work related eg flood,							
	0	0	0	0	0	0	
Not causing damage eg bomb scare							
	0	0	0	0	0	0	
Details of Fatal, Serious accidents (3d+) or incidents							
IP Name or incident location	Nationality	Injury		Employer	date of acc/inc	RTW date ^{4,6}	
Return to OHS by 10th of following month		OHS email [redacted]		civil.Bilfinger.com	OHS fax 0049 (0)611 708 236		
1. Include average number of BB staff, site workers during the month.							
2. Hours should be included if known 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. 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 & 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

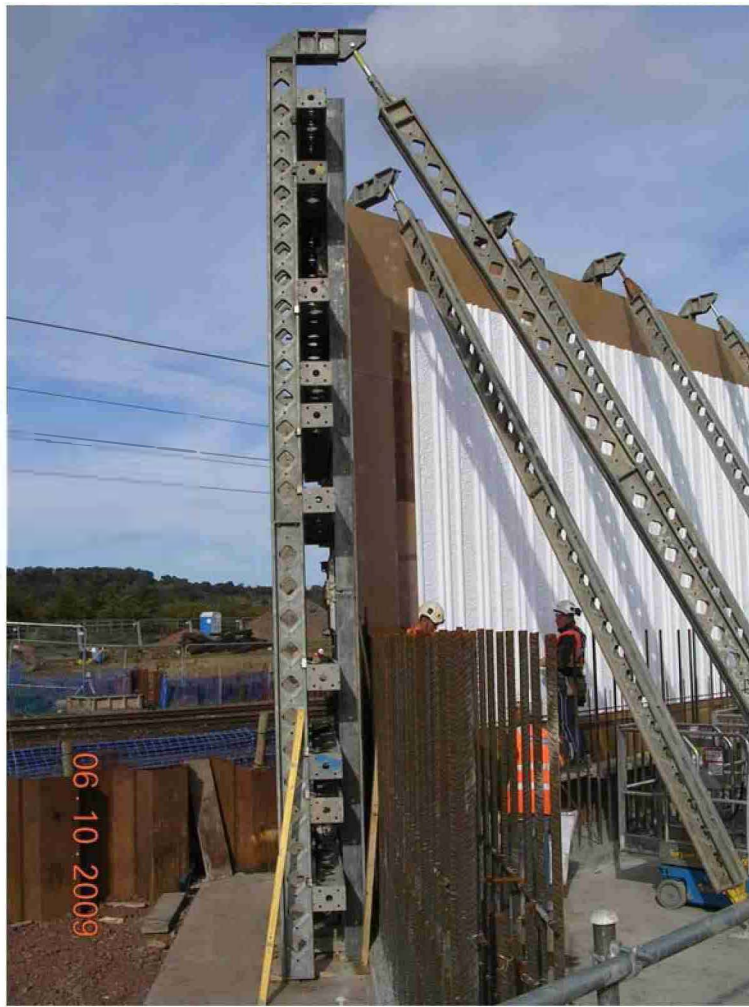
see following pages

Picture 01	Section 7	Gogarburn Bridge
Picture 02	Section 6	Depot - Area
Picture 03	Section 6	Depot - Foundations
Picture 04	Section 6	Depot - Erection of Steel Structure
Picture 05	Section 5	Edinburgh Park Station Bridge
Picture 06	Section 5	Piling Works on Guided Busway
Picture 07	Section 5	Carrick Knowe Bridge - South Abutment
Picture 08	Section 1	Princes Street
Picture 09	Section 1	Princes Street
Picture 10	Section 1	Princes Street











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	Adjusted in Job Estimate 08/2009	10,000	10,000	0
02.	Liquidated Damages		464,000		464,000
03.	Interface with Railway Authorities		25,000		25,000
04.	Uninsured Economic Losses	Adjusted in Job Estimate 08/2009	132,500	132,500	0
05.	Delayed Start Of Construction Works	Adjusted in Job Estimate 08/2009	360,000	360,000	0
06.	Firm items In Value Engineering	Adjusted in Contract Value 08/2009	279,500	279,500	0
07.	Quantity Risk	Adjusted in Job Estimate 09/2008 + 08/2009	1,000,000	1,000,000	0
08.	Corderoy's Quantities For Pavements in Sect. 5	Adjusted in Job Estimate 08/2009	389,000	389,000	0
09.	CEC Planning	Adjusted in Job Estimate 08/2009	25,000	25,000	0
11.	Network Rail		75,000		75,000
12.	Edinburgh Park	Adjusted in Job Estimate 08/2009	37,500	37,500	0
13.	Forth Ports	Adjusted in Job Estimate 08/2009	5,000	5,000	0
14.	HMRI	Adjusted in Job Estimate 08/2009	25,000	25,000	0
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	Adjusted in Job Estimate 08/2009	197,500	197,500	0
22.	Labour	Adjusted in Job Estimate 08/2009	40,000	40,000	0
23.	Staff	Adjusted in Job Estimate 08/2009	40,000	40,000	0
24.	Performance Of Utility Companies	Adjusted in Job Estimate 08/2009	5,000	5,000	0
25.	Ecology	Adjusted in Job Estimate 08/2009	1,000	1,000	0
26.	Pollution	Adjusted in Job Estimate 08/2009	2,000	2,000	0
27.	Changes In Law	Adjusted in Job Estimate 08/2009	30,000	30,000	0
28.	Legal Support	Adjusted in Job Estimate 08/2009	100,000	33,530	66,470
29.	Value Engineering	Adjusted in Contract Value 08/2009	200,000	200,000	0
30.	Interpretation Of Code Of Constuction Practice	Adjusted in Job Estimate 08/2009	100,000	100,000	0
31.	Siemens/BB Scope Split		500,000		500,000
total Estimated Risks from Top Sheet (Unqualified Risk Register)			4,349,000	2,912,530	1,436,470
Estimated Opportunities from Top Sheet (Unqualified Risk Register)					
32.	Changes in Employers Requirements	Adjusted in Job Estimate 08/2009	-100,000	-100,000	0
33.	Package Contractors Interface	Adjusted in Job Estimate 08/2009	-10,000	-10,000	0
total Estimated Opportunities from Top Sheet (Unqualified Risk Register)			-110,000	-110,000	0
Additional Estimated Risks					
34.	Interface Systems & Civils		1,000,000	0	1,000,000
total Additional Estimated Risks			1,000,000	0	1,000,000
Estimated Escalations					
35.	Escalation - Farrans	Adjusted in Job Estimate 11/2008	483,046	483,046	0
36.	Escalation total	Adjusted in Job Estimate 08/2009	4,388,294	4,388,294	0
37.	Enhanced Labour Rate	Adjusted in Job Estimate 08/2009	294,000	294,000	0
					0
					0
total			10,404,340	7,967,870	2,436,470

Project: **Edinburgh Tram Network**

as per: **30/09/2009**



3.02 Design - Drawing Status

No.	Status acc. Sections Description	Sections							Phase		Total
		SW	1	2	3	5	6	7	1a	1b	
1	To be issued for construction	9	28	9	66	24	2	5	77	66	143
2	Issued for External Approval (IFEA)	42	71	1	126	51	9	15	189	126	315
3	Issued for Construction (IFC)	37	553	102	255	697	197	164	1750	255	2005
4	Partially agreed for Construction (PAFC)	7	1	16	0	57	0	0	81	0	81
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	6	0	0	0	0	0	0	6	0	6
10	To be IFEA, but no IFC	0	0	0	0	0	0	0	0	0	0
11	IFEA, but no IFC	229	97	20	44	57	28	37	468	44	512
12	Not to be IFEA or IFC	288	151	19	89	152	20	57	687	89	776
13	New drawings to be issued following Change Order (CO)	126	94	1	0	148	8	27	404	0	404
14	New drawings to be IFEA following CO, but no IFC	0	0	0	0	5	0	0	5	0	5
15	IFC, but to be revised for CO (not concluded yet)	0	0	0	0	0	0	0	0	0	0
16	IFC, revised for CO (not concluded yet)	0	0	0	0	0	0	0	0	0	0
17	IFC, new drawing issued following CO (not concluded yet)	0	0	0	0	0	0	0	0	0	0
18	IFC, to be withdrawn for CO (not concluded yet)	0	0	0	0	0	0	0	0	0	0
Total (1~3+5~18)		737	994	152	580	1134	264	305	3586	580	4166
Issued for Construction (3+5~8+15+16+18)		37	553	102	255	697	197	164	1750	255	2005
Total Issue for Construction (1~3+5~8+15+16+18)		88	652	112	447	772	208	184	2016	447	2463
Percentage of completion IFC		42.0%	84.8%	91.1%	57.0%	90.3%	94.7%	89.1%	86.8%	57.0%	81.4%
IFC incl. new Issues for CO (3+5~8+16+17)		37	553	102	255	697	197	164	1750	255	2005
Total IFC incl. new Issues for CO (1~3+5~8+13+16+17)		214	746	113	447	920	216	211	2420	447	2867
Percentage of completion IFC		17.3%	74.1%	90.3%	57.0%	75.8%	91.2%	77.7%	72.3%	57.0%	69.9%