

EDINBURGH TRAM NETWORK

Monthly Project Report
October 2009



Monthly Report Major Projects

Project: Edinburgh Tram Network

Reporting Period: October 2009

TABLE OF CONTENTS

1. Executive Summary

- 1.01 Project Overview Charts
- 1.02 Short Note on Overview Charts
- 1.03 General Information
- 1.04 Performance Sheet
- 1.05 Weighted Result with Chances and Risks

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

2. Performance Report

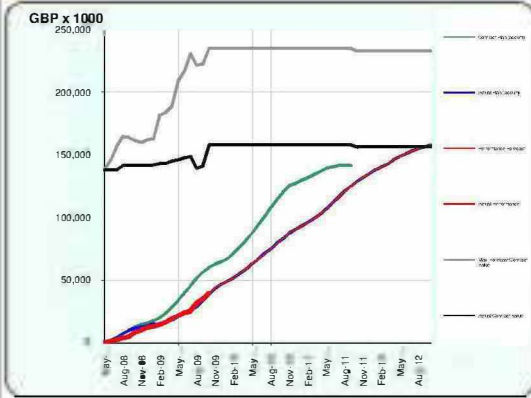
- 2.01 Cost Reconciliation Sheet
- 2.02 Construction Programme n/a
- 2.03 Comparison of Relevant Basic Data - Figures shown in Table n/a
- 2.04 Comparison of Relevant Basic Data - Figures shown in Diagrams n/a
- 2.05 Organisation Chart
- 2.06 Staff Chart
- 2.07 Plant & Equipment List n/a
- 2.08a Approved Change Orders
- 2.08b Unapproved Changes
- 2.09 Payment Status
- 2.10 Sub Contracts n/a
- 2.11 Monthly Report on Quality Management
- 2.12 Safety Information System - SIS
- 2.13 Project Photographs

TBA

3. Attachments

- 3.01 Overview Movements of Contingencies
- 3.02 Design - Drawing Status

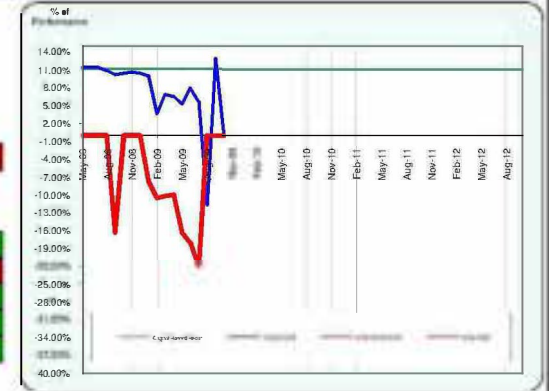
1.01 Project Overview Charts



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 red
Total contract value [GBP x 1000]	141,509			157,987	
Claims / Variations approved				22,281	
Claims / Variations not approved				76,678	
Performance		39.076		39,751	101.7% green
Cost				39,757	112.5% red
Result	11.07%	0.00%	0.00%	-0.01%	0.00% green
Payment Status		57,015		55,623	97.6% green
Av.Perf/mth: Rem. & act. 3mth			3,583	4,675	green

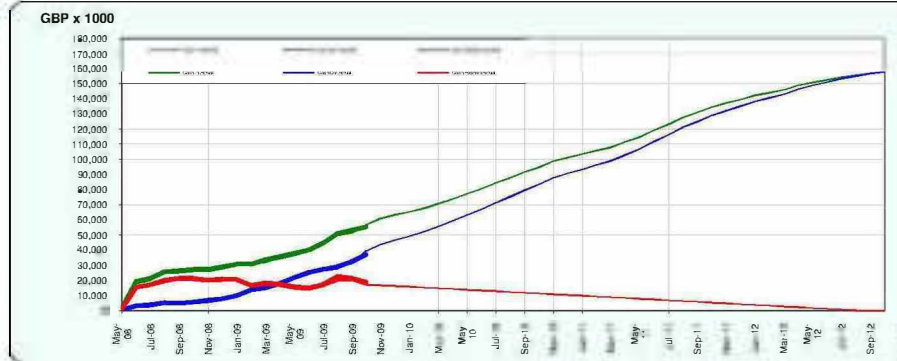
Project Key Figures



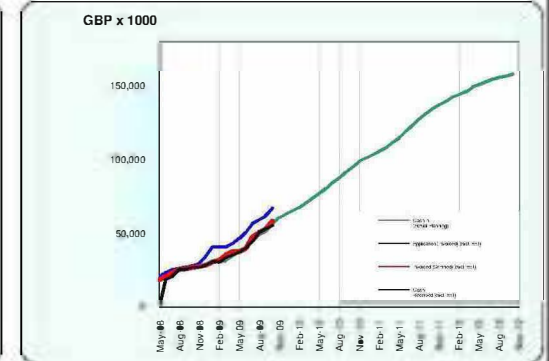
Project Result



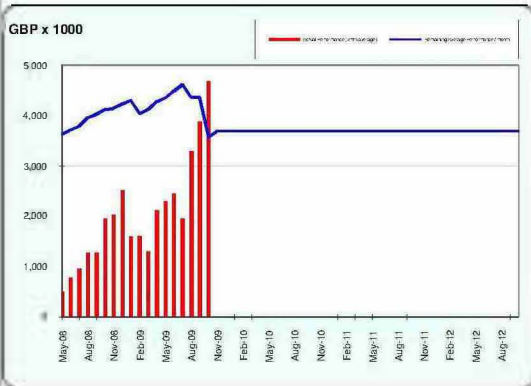
Project Cost



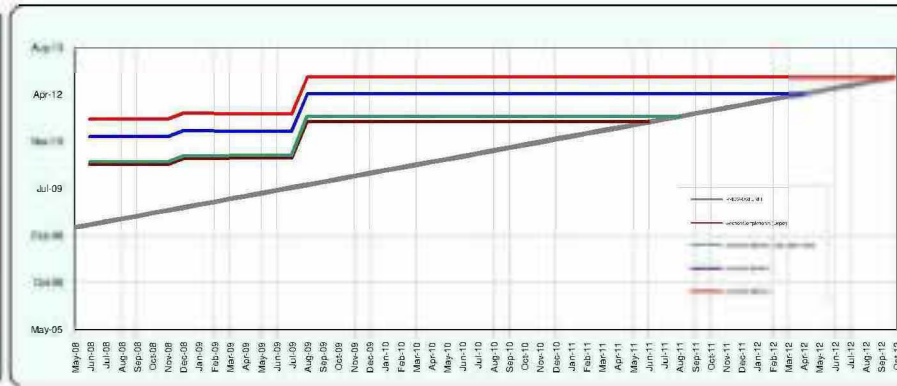
Cashflow



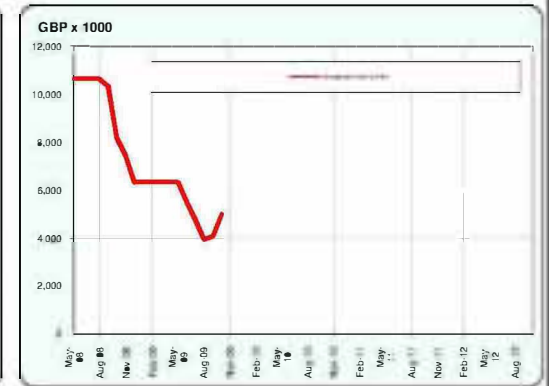
Payment Status



Remaining Performance / Resources



Milestone Trend Analysis



Contingencies vs Risks

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
- 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 October adds up to a cumulative result of -5,529 GBP (-0.01%).

The forecast shows a result of 0% 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: £ 58,807,732

1.2.5 Cashflow

The ETN project cashflow as per 30.10.09 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: £ 56,272,498 (incl. interest income) ./ net cash out £ 37,341,147 = £ 18,931,351 net cash balance

1.2.6 Contingencies

The value for in the tender estimated contingencies was decreased to £ 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		
	<p>Mobilisation : Mobilisation (erection of site offices only) now complete. Office extension for accomodation of SDS in Edinburgh Park now completed. SDS moved in by end of September.</p> <p>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 progamme are ongoing, to achieve an earlier completion of the design.</p> <p>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 and are ongoing. Procurement of subcontracts for section 1A1, 1A2 and structures at section 5 is finalized and Letters of Intend were issued.</p> <p>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. Execution of works Hilton Car Park started. Works on Russell Road Retaining Wall and Carrick Knowe Bridge started in accordance with the Clause 80.15 instruction by tie.</p>		
1.3.2	Significant extraordinary events		
	Date	Description	Remarks
	06/10/2009	Meeting with tie to form an On Street Supplemental Agreement (OSSA) essentially following the same principle as the Princes Street Supplemental Agreement (PSSA). Work on that continued through the period.	
1.3.3	Recent important agreements with the Employer or instructions having significant consequences		
	Date	Description	Remarks
	30/10/2009	Mediation on INTC No.1 (EOT1) concluded in a Variation Order. Tie confirmed an initial entitlement of 9 months relief on LD's and 6 months on prolongation cost for EOT2.	
1.3.4	Status on Major Unapproved Claims / Variations / Changes		
	<p>501 changes have been notified to date - 66 by tie and 435 by Infraco. 53 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 386 changes requiring estimates. 10 of these are not Bilfinger-related and are just concerning Siemens or CAF. Infraco has submitted 245 changes (of the remaining 376) for design only or for design and construction works. 100 changes (of the 245) have been approved or partly approved by a written tie change order. 131 estimates are still required. There are 26 estimates proceeding through the internal consortium approvals process.</p>		


1.04 Performance Sheet

1. General Information		2. Construction Period		Contract (Rev. 1)	Actual	Variance							
Client:	tie LIMITED	Construction start date	15-May-08	15-May-08	0 days								
Leadership:	BILFINGER BERGER UK LIMITED	Construction end date	16-Jul-11	05-Jun-12	325 days								
	Share: 75%	Total excl. Site Removal	38 month	49 month	2,796 %								
	BILFINGER BERGER VWB GMBH	Expired construction time	17.5 month	17.5 month	46 %								
Currency:	GBP Rp. (all amounts without V.A.T.)	Share: 25%											
Rate of Exchange Top Sheet:	1 GBP = 1.25 EUR	Actual: 1.12 EUR											
		Performance to date	39,751,142 GBP		25 %								
2. Total Contract Value		Date of Contract	Total Previous Month	October 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)	100.00%	141,262,113	104.1%	16,725,202	157,987,315 116.4%							
Contract Value with 3rd Parties (without interest)			0	0.0%	0	0 0.0%							
Total Contract Value			141,262,113	104.1%	16,725,202	157,987,315 116.4%							
3a. Provisional Sums		Total Previous Month	October 2009	Total Reporting Month									
SDS Novation Agreement Provisional Sums		1,527,910	1.1%	153,488	1,681,397	1.2%							
3b. Claims and Variations		Total Previous Month	October 2009	Total Reporting Month									
Claims and Variations approved		10,027,995	7.4%	10,571,714	20,599,709	15.2%							
Claims and Variations submitted but not approved yet		53,969,845	39.8%	-2,852,784	51,117,061	37.7%							
Claims and Variations under preparation		27,220,172	20.1%	-1,659,411	25,560,761	18.8%							
4a. Performance		Total Previous Month	October 2009	Total Reporting Month									
Performance for Actual Contract Value with Client		35,820,296	25.36%	3,930,846	39,751,142	25.16%							
Performance for 3rd Parties (without interest)		0	0.00%	0	0	0.00%							
Total Performance to Date		35,820,296	25.36%	3,930,846	39,751,142	25.16%							
Remaining Performance to Date		105,441,817	74.64%		118,236,173	74.84%							
Actual Planned Performance (Planned Performance per report date - Performance Last Month)		35,820,296	25.36%	3,255,309	39,075,605	24.73%							
4b. Cost		Total Previous Month	October 2009	Total Reporting Month									
Actual Cost at Reporting Date		35,834,935	25.37%	3,921,736	39,756,671	25.16%							
5. Result		Date of Contract	Total Previous Month	October 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%	5,012,368	3.55%	6,613,788	11,626,156 7.36%							
Actual Result at Reporting Date			-14,639	-0.04%	9,110	-5,529 -0.01%							
Forecast Result at the End of Contract			18,190,380	12.88%	-18,190,380	0 0.00%							
Weighted Result at the End of Contract (Likely Case)			-526,560	-0.27%	16,108,561	15,582,000 9.08%							
6. Invoices, Payment and Bank account		Total Previous Month	October 2009	Total Reporting Month									
Application to the client - excl. VAT	incl. Ret. Money	0	0.00%	62,061,377	43.93%	5,478,014	67,539,390 42.75%						
Certified by the client (Invoice) - excl. VAT	incl. Ret. Money	0	0.00%	53,428,212	37.82%	5,379,520	58,807,732 37.22%						
Cash in from the client - excl. VAT	excl. Ret. Money	0	0.00%	53,428,212	37.82%	2,194,682	55,622,894 35.21%						
Cash in from 3rd Parties - excl. VAT				0	0.00%	0	0 0.00%						
Interest income				642,624	1.79%	6,980	649,604 1.63%						
Cash out (excl. VAT)				32,543,255	23.04%	4,797,892	37,341,147 23.64%						
Net Liquidity	creditle	0	0%	21,527,581	15.24%	-2,596,230	18,931,351 11.98%						
7. Subcontractor Work (incl. Design)		Total Previous Month	October 2009	Total Reporting Month									
Total Portion of Subcontractor Budget	60,353,024 (incl. SDS)	44.47%	102,183,584	72.34%	1,760,194	103,943,778 65.79%							
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		Yearly Forecast									
Performance	Original planned				Actual / Forecast					Performance and Result in 2008			
	2008	2009	2010	2011	2008	2009	2010	2011	2012	Performance	12,940,002	8.2%	
Jan		1,706	2,786	2,346		584	2,537	2,837	3,162	Result	2	0.0%	
Feb		2,526	4,026	2,026		1,739	2,837	2,837	2,337	Performance and Result in 2009			
Mrz		3,526	5,026	2,526		1,579	3,337	2,837	2,337	Performance	34,035,603	21.5%	
Apr		4,526	5,276	2,526		3,035	3,837	3,837	3,537	Result	-2	0.0%	
Mai	855	5,776	6,026	2,526		500	2,268	3,837	3,337	Performance and Result in 2010			
Jun	1,355	5,776	6,526	1,026		1,052	2,049	3,837	5,037	Performance	43,744,000	27.7%	
Jul	2,375	5,776	6,526	1,026		1,331	1,531	4,337	4,337	2,130	Result	0	
Aug	2,855	6,026	6,526			1,465	6,312	3,837	5,037	1,837	Performance and Result in 2011		
Sep	3,055	4,626	6,526			1,047	3,783	4,337	3,837	1,588	Performance	44,444,000	28.1%
Okt	2,855	4,026	6,526			3,340	3,931	3,837	3,837	1,222	Result	0	
Nov	1,535	2,526	5,026			1,725	4,224	4,337	3,337	Performance and Result in 2012			
Dez	1,446	1,866	1,706			2,481	3,000	2,837	2,837	Performance	22,823,710	14.4%	
Total	16,334	48,678	62,498	13,999		12,940	34,036	43,744	44,444	22,824	Result	0	
	Linear Calculation					total: 157,987					Total Performance and Result		
										Performance	157,987,315	100.0%	
										Result	0		
Edinburgh,					Edinburgh,								
Place and Date	M Foerder, Project Director				Place and Date	T Vogt, Commercial Manager							

1.05 Weighted Result with Chances and Risks

		Revenue			Cost				
		best case	likely case	worst case	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	157,987	157,987	157,987	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-157,987	-157,987	-157,987
2	Unapproved, but in Job Site Estimate integrated Changes	2,607	2,082	1,860	2	Unapproved, but in Job Site Estimate integrated Changes			
3	Total unapproved Changes	2,607	2,082	1,860	3	Total unapproved Changes	0	0	0
4.1					4.1				
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	173,195	171,569	164,847	6 =1+3+4+5	Forecast Final Costs	-154,687	-155,987	-157,087

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue	173,195		
	Costs	-154,687		
	Result	18,507		
% Gross Margin based on Revenue Best Case	Revenue: 173,195	10.69%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue		171,569	
	Costs		-155,987	
	Result		15,582	
% Gross Margin based on Revenue Likely Case	Revenue: 171,569		9.08%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue			164,847
	Costs			-157,087
	Result			7,760
% Gross Margin based on Revenue Worst Case	Revenue: 164,847			4.71%
Gross Margin previous month (most likely case)		6.99%	-0.27%	-11.23%

	Project: Edinburgh Tram Network as per: 31/10/2009	
2.01 Cost Reconciliation Sheet		
see following pages		

Project: GB-2006-1001AK15 Edinburgh Tram 2009_10
Reporting Month: 16. R.-P. 10.2009

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	Actual Allowable incl. agreed VO's	Allowable for unapproved VO's	Variance to Date	Revised DJC IQxDJC-Rate	Variance to Date	Budget Original WQty.	Budget Orig. Contr. with AQty.	Budget Agreed VO's AQty.	Budget unappr VO's AQty.	Budget Total AQty.	Revised DJCt AQty.	% Complete	Cost to Complete (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		37,641,65	2,116,015	39,756,671	35,758,045	1,395,38	-2,603,246	39,751,142	-5,52	125,838,07	125,838,070	20,623,089	1,946,99	148,308,152	157,987,315	25.2 %	118,236,17	157,992,844	9,684,692	10,330,341
Prime Cost Sums 0 / 0																				
Total Cost without Prime Cost Sums		37,641,65	2,116,015	39,756,671	35,758,045	1,395,38	-2,603,246	39,751,142	-5,52	125,838,07	125,838,070	20,623,089	1,946,99	148,308,15	157,987,315		118,236,17	157,992,844		

REMEASURED CONTRACT:

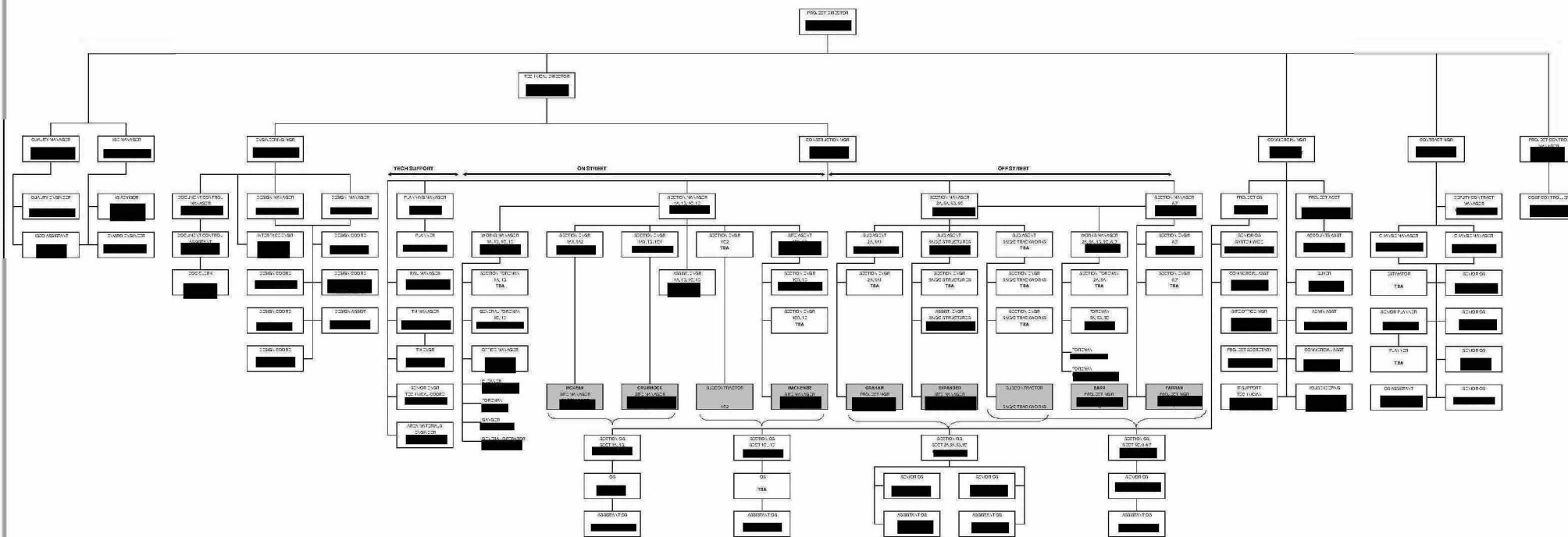
Gross Margin original Contract and agreed VO's (PF = 1.0000, PFB = 1.0794)

Total Cost without Prime Cost Sums		39,756,671	35,758,045	39,751,142	125,838,070	125,838,070	20,623,089	1,946,993	148,308,152	157,987,315	157,992,844
Gross Margin			2,839,189	0	15,670,745	9,898,139	1,758,017		11,828,156	0	-5,529
Gross Margin in % of Performance		7.36 %	7.36 %	0.00 %	11.07 %	7.27 %	7.89 %		7.36 %	0.00 %	0.00 %
Performance without Prime Cost Sums			38,597,234	39,751,142	141,508,815	135,706,209	22,281,106		157,987,315	157,987,315	157,987,315
Actual Cost to date			39,756,671	39,756,671							
Gross Margin to date			-1,159,437	-5,529							
Gross Margin to date in % of Performance			-3.00 %	-0.01 %							
Performance Prime Cost Sums											
Total Performance			38,597,234	39,751,142	141,508,815	135,706,209	22,281,106		157,987,315	157,987,315	157,987,315
Revenue according WBS											

Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0132, PFB = 1.0793)

Total Cost without Prime Cost Sums		37,153,425	39,751,142	125,838,070	125,838,070	20,623,089	1,946,993	148,308,152	157,987,316	157,992,844
Gross Margin			2,946,267	524,715	15,670,745			11,781,557	2,082,394	2,076,685
Gross Margin in % of Performance		7.35 %	7.35 %	1.30 %	11.07 %			7.35 %	1.30 %	1.30 %
Valued Performance without Prime Cost Sums			40,099,692	40,275,857	141,508,815	135,706,209	22,281,106	2,082,394	160,069,709	160,069,709
Actual Cost to date			39,756,671	39,756,671						
Gross Margin to date			343,021	343,021						
Gross Margin to date in % of Performance			0.88 %	0.85 %						
Performance Prime Cost Sums (incl. valued performance)										
Total Performance (incl. valued performance)			40,099,692	40,275,857	141,508,815	135,706,209	22,281,106	2,082,394	160,069,709	160,069,709
Revenue according WBS (VO's valued)										
Revenue according WBS (VO's valued by 100%)										

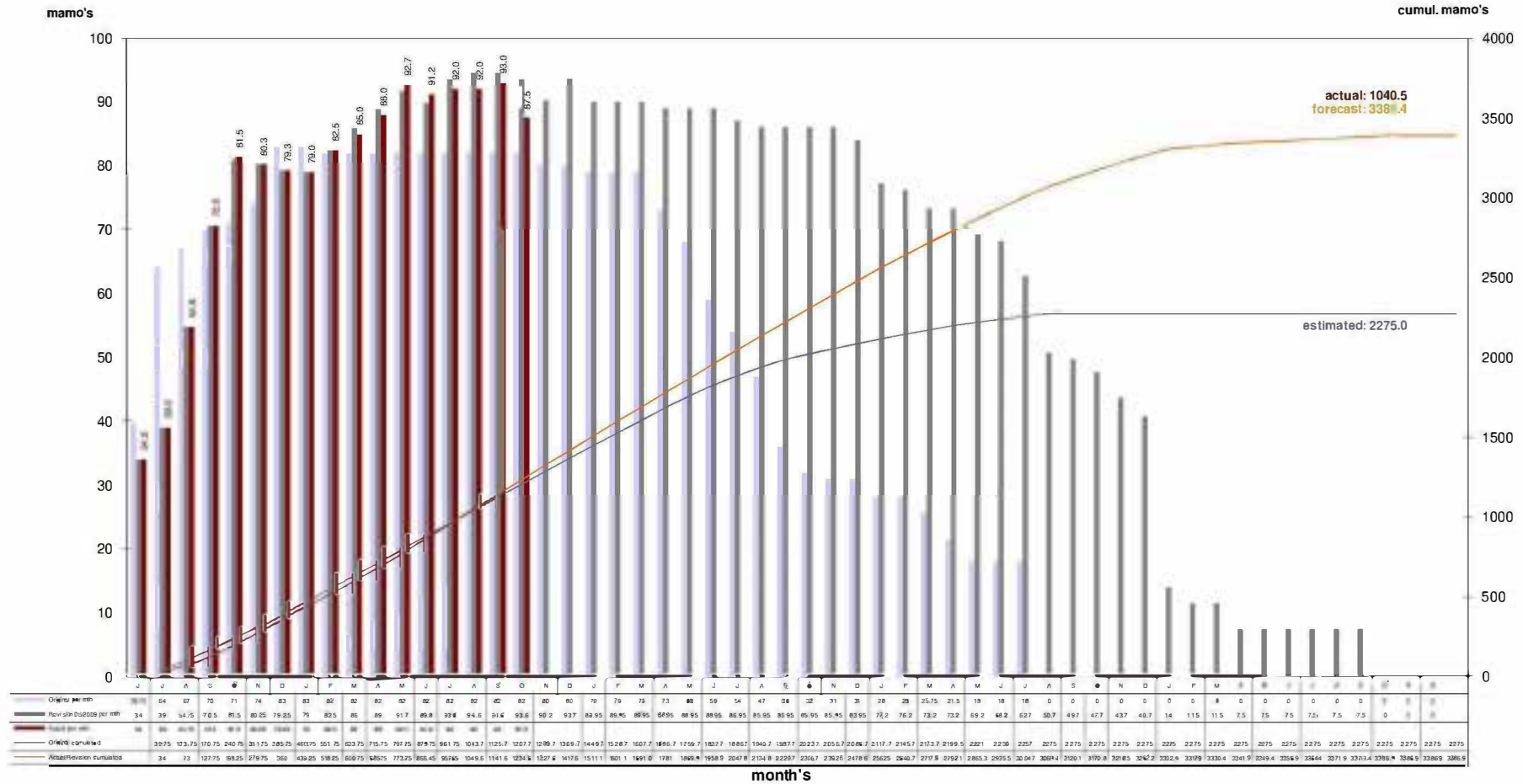
2.05 Organisation Chart



EDINBURGH TRAM NETWORK
CIVIL WORKS TEAM

2.06 Staff Chart

Staff memo performance Edinburgh Tram



Project: **Edinburgh Tram Network**
 as per: **31/10/2009**



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 %	Estimate			Remarks
											Consortium Fee 7.4 %	OH&P/ Margin	Margin in %	
												5=1-2-3-4	6=5/1	
						NovoAgree		SDS Novation Agreement Provisional Sums	31/10/09	1,681,387.00	1,681,387.00			
						SupplAgree		Works carried out under Supplemental Agreement concerning Princes Street	20/03/08	7,144,942.85	6,093,101.43	442,532.22	609,309.20	8.53%
019			Graham	61	GAAn	Archaeological Survey to the Calley Ale House	19/09/08	5,201.28	4,430.40		327.88	443.04	8.52%	
021			Graham	61	GAAn	Asbestos in the Caledonian Ale House	19/09/08	5,268.33	4,487.50		332.08	448.75	8.52%	
053			5C	53	GAAn	TNC004-Utilities diversions & associated works	10/10/08	33,722.78	28,539.95		2,323.54	2,859.29	8.46%	
087			BSC	64/65		Duct Installation at Leith Walk	22/01/09	299.37	255.00		18.8	25.50	8.52%	
059			Graham	61	GAAn	Notified Departure in acc. With Schedule 4 due to the Asbestos Survey	30/10/08	26,048.00	22,200.00		1,642.80	2,205.20	8.47%	
051			5A		GAAn	TNC002-Utilities diversions & associated works	03/12/08	64,911.64	54,844.68		4,472.50	5,484.46	8.46%	
052			5B	53	GAAn	TNC003-Utilities diversions & associated works	03/12/08	75,693.50	64,076.99		5,216.39	6,407.13	8.46%	
166			1A	31	SKY	Demolition of existing garage and fuel tanks on Ocean Drive.	03/12/08	17,023.00	14,500.00		1,073.00	1,450.00	8.52%	
176			5C	53	GAAn	Temporary Ramps (2 no.) at Gogar Church Road Construct Car Park	18/12/08	6,642.70	5,622.74		457.69	562.21	8.46%	
237	10		Graham	61	GAAn	Move site boundary fencing at Haymarket Car Park	17/12/08	849.53	719.09		59.53	71.91	8.46%	
272	11		5B	54	GAAn	Starter Layer below Subsoil Level at Carrick Knowe	17/12/08	83,028.79	70,280.00		5,720.79	7,028.00	8.46%	
023	12		Graham	61	GAAn	Demolition of Access Steps to Haymarket Station Carpark	23/01/09	2,020.00	1,710.00		126.54	183.46	9.08%	
	13					see TCO4								
192	14	UPS	1B	40	SKY	Discovery of Cable & Wireless ducts - Chainage 108	22/01/09	161.10	136.36		11.10	13.64	8.47%	
048	15		SDS	66		Additional TPO Drawings as SDS-Letter dated 4th July 2008	22/01/09	3,550.18	3,024.00		223.71	302.40	8.52%	
168	16		5A/B/C	53	GAAn	Demolition of existing building at 33 Ocean Drive.	02/03/09	5,857.70	4,989.52		369.21	498.96	8.52%	
007	17		BSC	65		Hard standing at Haymarket Yards.	29/01/09	880.50	750.00		55.50	75.00	8.52%	
084	18		SDS-BSC	65/66		TNC005-Burnside road Diversion - Fees for design (INF_CORR.006)	03/02/09	720.00	613.29		45.36	61.33	8.52%	
271	19		SDS	66		Road Construction Details - Construction Methodology Statements for	13/02/09	372,540.13	317,325.50		23,482.05	31,732.55	8.52%	
269	20		SDS	66		Instructors arising from Trackform Development Workshop	13/02/09	371,057.96	316,063.00		23,388.66	31,606.30	8.52%	
274	21		TM	21	SKY	Princes Street Construction Works-closure to traffic during construction	13/02/09	6,546.55	5,576.28		412.64	557.63	8.52%	
050	22					not concerning BB								
159	23					Removal of Provisional Sum Main Contract - Relocation Ancient Monuments	12/03/09							
141	24		SDS	66		West End Transtop - revised requirements from CEC Data.	09/04/09	16,636.17	14,170.50		1,048.62	1,417.05	8.52%	
266	25		Depot	63	OHU	Monthly Track Monitoring Network Rail East Coast North Line/Gogar Depot	27/03/09	4,672.52	3,980.00		294.52	398.00	8.52%	
173	26		Graham	61	GAAn	Discovery of underground petrol tank at National Car Rental Site.	07/04/09	4,813.40	4,100.00		303.40	410.00	8.52%	
075	27		Farrans	62	OHU	Temporary Access Ramp from Depot	27/03/09	14,199.73	12,221.80		894.31	1,072.60	7.55%	
187	28		Depot	63	OHU	Additional excavated material at Depot	02/04/09	1,425,174.40	1,223,272.73		99,574.40	102,327.27	7.19%	
303	29					not concerning BB								
295	30	UPS	Farrans	62	OHU	Scottish Gas Networks - Trial investigations to protect gas main at Culvert 2	29/04/09	14,123.44	11,983.64		941.45	1,198.35	8.48%	
216	31	UPS	1B	40	SKY	Discovery of alkathene water pipe above formation level - Chainage 265 RHS	29/04/09	538.51	458.75		33.95	45.81	8.52%	
218	32	UPS	1B	40	SKY	Discovery of 2 No. LV and 1 No. LV cables above formation level - 162 RHS.	29/04/09	256.36	218.36		16.10	21.84	8.52%	
220	33	UPS	1B	40	SKY	Discovery of Water connection pipework above formation level - 161 RHS	29/04/09	79.95	68.10		5.04	6.81	8.52%	
223	34	UPS	1B	40	SKY	Discovery of stone culvert - Chainage 100 RHS	29/04/09	1,017.53	866.79		64.11	86.60	8.51%	
225	35		1B	4.8	SKY	Repairs required to footpath to allow pedestrian access - Chainage 170 RHS	29/04/09	283.05	239.59		19.50	23.96	8.46%	
260	36		1B	40	SKY	Relocate existing Control Box - Section 1B	29/04/09	1,109.58	945.13		69.94	94.51	8.52%	
293	37		Farrans	62	OHU	Gogar Castle Road tree felling	29/04/09	1,162.26	990.00		73.26	99.00	8.52%	
294	38		Farrans	62	OHU	Reinstate access ramp at Gogar Depot	29/04/09	8,507.39	7,132.21		580.66	794.62	9.34%	
296	39		Farrans	62	OHU	Formation Level of Gogarburn Bridge West Abutment	29/04/09	11,556.83	9,782.32		796.28	978.21	8.46%	
297	40		Farrans	62	OHU	Formation Level of Gogarburn Bridge East Abutment	29/04/09	7,280.00	6,162.22		501.60	616.21	8.46%	
327	41	UPS	1B	40	SKY	Dye test and camera survey at Chainage 170 RHS	29/04/09	619.48	527.66		39.05	52.71	8.52%	
328	42	UPS	1B	40	SKY	Reinstate slabbed footway following MUDFA works	29/04/09	1,205.61	1,027.83		76.06	102.71	8.52%	
003	43	UPS	1C/D	71		Instruction to proceed with road surveys.	02/05/09	89,050.01	66,011.86	11,552.08	4,884.86	6,601.19	8.46%	
257	44		SDS	66		Feasibility Study (Design Only) Floth Ports access to ADM Milling	29/04/09	1,624.82	1,384.00		102.42	138.40	8.52%	

Project: **Edinburgh Tram Network**
 as per: **31/10/2009**



2.08a Approved Change Orders

INTC	TCO	Prov Sum	Section	Activity	QS	Description	Date of Approval	Estimate						Remarks
								Revenue	Budget for performance, design & estimate	Other Prelims 17.5%	Consortium Fee 7.4%	OH&P/ Margin 5=1-2-3-4	Margin in % 6=5/1	
195	45		1B	40	SKY	Discovery of temporary pedestrian crossing lighting ducts	29/04/09	656.76	559.42		41.40	55.94	8.52%	
193	46		1B	40	SKY	Discovery of Hydrant in kerb line - Chainage 333 RHS	29/04/09	390.91	333.00		24.64	33.30	8.52%	
184	47		1B	40	SKY	Discovery of void around existing BT Duct - Chainage 360 RHS	29/04/09	167.41	142.00		10.55	14.26	8.52%	
169	48		1C	42	SSm	Demolition of Police Box Coffee Bar - Picardy Place	29/04/09	9,236.76	7,869.47		582.34	786.95	8.52%	
330	49		1B	40	SKY	Install additional gully Chainage 250 RHS	08/05/09	1,665.06	1,579.55		128.51	157.96	8.46%	
157	50		Farrans	62	OHU	Survey of Existing Drainage (Gogar Landfill)	01/05/09	3,463.11	2,931.41		238.62	293.14	8.46%	
324	51	UPS	5C	57	GAn	A8 Underpass Phase 1 Piling Obstructions	01/05/09	4,015.08	3,420.00		253.08	342.00	8.52%	
340	52		5C	56	GAn	Edinburgh Park Bridge South Abutment Base - Existing service (cable)	01/05/09	530.59	451.95		33.44	45.20	8.52%	
330	53		5B	54	GAn	Carrick Knowe change 520200 to 520240 - subgrade improvement	15/05/09	84,700.15	71,694.73		5,835.95	7,169.41	8.46%	
360	54/54a		SDS	66		Alteration of Design at Forth Ports Road 8	15/05/09	11,932.54	10,164.00		752.11	1,016.40	8.52%	
361	55		5A	53	GAn	Scottish Power Utility Diversion near Murrayfield Station	05/06/09	6,689.80	6,188.55	1,217.54	514.81	768.86	8.65%	
167	56	UPS	5A	53	GAn	Accommodation Works to Wanderers Clubhouse Building at Murrayfield	26/05/09	166,275.33	141,631.46		10,480.71	14,163.11	8.52%	
338	57		1B	40	SKY	Remove ornamental iron balls from Greatmill Depot	03/06/09	406.26	301.15	52.70	22.29	30.12	7.42%	
042	58		SDS	66		Delay and Disruption to Ravelston Tramstop Landscaping	01/06/09	2,409.05	2,052.00		151.85	205.20	8.52%	
392	59		5B	56	GAn	Pile 1 Base Formation - Section 5B	03/06/09	561.45	408.65	78.67	33.26	40.81	8.52%	
336	60		BSC	64		Extension to Site Office for the SDS personnel	02/06/09	150,000.00	120,096.09	21,016.81	8,887.11	0.00	0.00%	
349	61		1B	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	62		TM	21	SKY	Section 1C/1D - Additional MASS barriers on Great Stuart Street	02/06/09	915.21	678.48	118.73	50.21	67.85	7.41%	
074	63		BSC	64/65		Sewer Diversion, Gogar Landfill	08/06/09	1,433.78	1,213.64		98.79	121.36	8.46%	
350	64		Farrans	62	OHU	Protected Species mitigation measures	06/06/09	9,262.22	6,862.20	1,204.48	509.31	686.21	7.41%	
273	65		SDS-BSC	64/65/66		Gogarburn Retaining Wall W14 - Re-design Water Mains and Gas Main	07/07/09	1,156.57	981.36		77.01	98.11	8.49%	
222	66		1B	49	SKY	Discovery of valves and a hydrant fouling the new kerb line - 120 RHS	10/06/09	617.61	457.83	80.12	33.89	45.71	7.41%	
238	67		TM	21	SKY	Temporary Traffic Lights opposite Mandersoh Street required	04/09/09	15,084.78	11,182.21	1,856.89	827.48	1,118.21	7.41%	
243	68		SDS	66		Forth Ports Substation - lack of as built information	10/06/09	7,824.12	6,664.50		493.11	666.45	8.52%	
352	69		TM	21	SKY	Off-peak Taxi Rank at George Street	10/06/09	2,213.71	1,641.00	287.19	121.43	164.11	7.41%	
409	70		SDS	66		Forth Ports - New construction at Ocean Drive	10/06/09	2,817.60	2,400.00		177.60	240.00	8.52%	
w/c	71					not concerning BB								
269	72		SDS-5B	53/66	GAn	Cycleway at Edinburgh Park Station repositioned outwith the LOD	15/06/09	52,094.65	39,609.70	5,340.56	3,221.41	3,922.91	8.52%	
171	73		TM	71	SKY	Contract with Faber Maunsell for Transport and Linsig Modelling Assessments.	16/06/09	64,808.00	48,043.00	8,407.52	3,555.16	4,803.30	7.41%	
373	74		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	237.69	7.28%	
371	75		Farrans	62	OHU	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/RT/D/05	17/06/09	855.81	622.91	119.91	50.70	62.29	7.28%	
307	76		Graham	61	GAn	Contaminated Soil assessment at Haymarket Depot	11/06/09	48,543.77	35,985.00	6,287.38	2,662.89	3,598.51	7.41%	
439	77		SDS	66		SDS proposed office move to Edinburgh Park - IT costs	07/07/09	28,000.00	20,756.12	3,632.32	1,535.95	2,075.61	7.41%	
203b	78		Depot	63	OHU	Structural Steelwork	15/07/09	270,372.81	196,792.25	37,892.51	16,018.89	19,679.22	7.28%	
203a	79		Depot	63	OHU	Foundations	15/07/09	47,782.16	34,778.48	6,694.86	2,830.91	3,477.81	7.28%	
449	80		5B		GAn	Reinstatement of Bus Link	23/07/09							CO Value not issued - to be paid on Demonstrable Cost Basis
421	81					not concerning BB								
419	82		TM-1C	21/43	SKY	Replace MASS barriers at St Andrews Square	14/08/09	22,896.58	16,973.00	2,970.21	1,266.00	1,697.31	7.41%	
436	83					not concerning BB								
279	84		SDS	66		West Pilton Tram stop	29/07/09	859.31	732.00		54.11	73.20	8.52%	
413	84		Farrans	62	OHU	Provide local protection of sewer at Chainage 711990	31/07/09	2,695.05	1,999.22	349.86	147.94	199.91	7.41%	
179	85/86		SDS			Gatehouse Works to Murrayfield Stadium Part 1	05/08/09	143,493.91	122,226.50		9,044.71	12,222.65	8.52%	
	87					not issued yet								
	88					not issued yet								
234	89		1B	40	SKY	Leth Walk (Section 1B) Groundworks - Move THUS ducts - Ch 345 - 365	11/09/09	6,562.03	4,864.37	851.26	359.96	486.43	7.41%	
202	90		Farrans	62	OHU	FC Drawing changes - Gogarburn Culverts 1, 2 and 3	12/09/09	13,368.41	9,730.32	1,873.06	792.05	973.02	7.28%	
	91					not issued yet								

Project: **Edinburgh Tram Network**
 as per: **31/10/2009**



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 %	
												5=1-2-3-4	6=5/1	
401	92		Farans	62	OHU	Additional earthworks to western approach embankment at Gogarburn Bridge	13/08/09	36,616.19	26,651.28	5,130.37	2,169.41	2,665.13	7.28%	
203g	93		Depot	63	OHU	Secondary Steelwork	17/08/09	2,355.95	1,714.79	330.10	139.58	171.48	7.28%	
334	94		Farans	62	OHU	Access at Newington	20/08/09	5,827.59	4,282.94	784.59	331.77	428.28	7.35%	
115	95		5B		GAn	FC Drawing Change Carricknowe Bridge	27/08/09							CO Value not issued - estimate was referred to Dispute Resolution Procedure
118	96			64/65	BSC	FC Drawing Change Cathedral Lane Sub Station	31/08/09	1,229.73	1,040.91		84.73	104.09	8.46%	
407	97		Depot	63	OHU	Hard material within Gogar excavation	02/09/09	35,806.89	26,062.23	5,016.88	2,121.47	2,606.21	7.28%	
091	98		5B	56	GAn	Reference EFN002 Edinburgh Park Structure (S27) Earthworks/Foundations.	04/09/09	52,388.71	37,750.68	7,802.57	3,060.38	3,775.08	7.21%	
337	99		TM-1B	21/40/71	SKy	Testing to carriageway at Leith Walk	04/09/09	15,452.46	11,454.75	2,004.59	847.65	1,145.48	7.41%	
088	100					not concerning BB								
	101					not issued yet								
	102					not issued yet								
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	IC/D	96	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 - BT works - Slow 2 way and 4 way ducts	09/10/09	9,954.28	70,144.03	12,275.21	5,190.66	7,344.38	7.73%	
486	105.2		SDS	66		TRQ Changes September 2009		3,430.43	2,922.00		216.23	282.20	8.52%	
362	106		5B	56	GAn	Edinburgh Park Bridge - Approach Ramps additional earthworks	09/10/09	185,000.00	134,653.19	25,920.74	10,960.77	13,465.31	7.28%	
911	107		5B/66	21/61	SKy/GAn	Sample soil nailing to embankments between Russell Road & Water of Leith	09/10/09	44,718.35	33,149.26	5,801.12	2,453.05	3,314.92	7.41%	
431	108		5B	57	GAn	Slew existing BT duct at A8 underpass	13/10/09	22,846.79	16,934.93	2,965.19	1,253.18	1,693.49	7.41%	
125	109		5B/66	61/66	GAn	Unforeseen Ground Conditions at Haymarket Viaduct	22/10/09	9,431.38	68,649.54	13,215.01	5,598.06	6,864.77	7.28%	
	110					not issued yet								
	111					not issued yet								
	112					not issued yet								
	113					not issued yet								
	114					not issued yet								
112	115		Graham	61	GAn	FC Drawing Change Haymarket Viaduct								CO Value not issued - estimate was referred to Dispute Resolution Procedure
001A-D	116		EOT1	64.65.67		FC 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%	
429			EOT2a	64.65.67		Issue of MUDFA Programme Revision 8	13/11/09	6,600,000.00		4,199,580.00	1,799,820.00	600,600.00	9.10%	
TOTALS:								22,281,106.48	11,547,117.25	6,273,515.26	2,702,456.41	1,758,017.56	7.89%	

2.08b Unapproved Changes

NTC	TCO	Section	Activity	QS	Description	Assessment			Status				Working Estimate				Remarks				
						Maximum	assessed	Minim	Submitted	to be submitted	in principle agreed, but not approved	not agreed	Final	Budget for performance, design & estimate	Other Prelims	Contingency		Fas 7/4	OH&P/Margin	Margin in %	
		Farrans			Instruction to proceed with Hilton Hotel Car Park	90,068.00			102,845.32				102,845.32								
		Delay Only			Instruction to proceed with Russell Road Bridge																
		Delay Only			Instruction to proceed with Haymarket Viaduct																
		Delay Only			Instruction to proceed with Gogarburn Bridge																
					Work is Ongoing Rails since Basis Date Design Information															no further action under this INTC-Ref.	
		Delay Only			Archaeological Dig currently ongoing in area Gogar Trampstop - Sect. 7																
		Delay Only			Archaeological Dig currently ongoing in area Gogar Trampstop - Sect. 5 C																
		Delay Only			Archaeological Dig currently ongoing in area Gogar Trampstop - Sect. 5 C																
		Delay Only			Archaeological Dig at Gogar Trampstop (see damage to Tram Corridor)																
		Delay Only			Water Main Diversion at Depot Area															no further action under this INTC-Ref.	
		Delay Only			No completion of 800 mm dia Water Main Diversion in Depot Area																
		Delay Only			No completion of 250 mm dia Water Main Diversion in Depot Area																
		Delay Only			No completion of 1500 mm dia Sewer Diversion in Depot Area																
					South Gyle Access Bridge West abutment piled foundations															no further action under this INTC-Ref.	
		SDS	66		South Gyle Access Bridge West abutment piled foundations	72,603.68	65,000.00	60,000.00	72,603.68				72,603.68	65,000.00	55,366.21		4,097.11	5,336.63	8.52%		
		Depot			No completion of various Utility Diversions in Depot area	250,000.00	225,000.00	200,000.00	44,746.33	205,253.67			44,746.33								no further action under this INTC-Ref.
		Delay Only			Asbestos in the existing Steps to Haymarket Station Carpark																
		Delay Only			Instruction to proceed with Varty House Access Road pre IFC																
		Delay Only			Instruction to proceed with demolition of Calez Ale House pre IFC																
		Delay Only			Delay to Issue of Picardy Road (Batch 1/13) to CEC for Prior Approval																
		Delay Only			Delay to IFC Submissions (Sect. 1 D) due to changed approval periods																
		Delay Only			Delay to IFC Submissions (Sect. 1 B) due to changed approval periods																
					Haymarket Broken Carpet Access Road - asbestos and rail signs															no further action under this INTC-Ref.	
					Asbestos in SD6 at Haymarket - asbestos and rail signs															no further action under this INTC-Ref.	
		Delay Only			CEC failure to approve within agreed timescales																
		Delay Only			Network Rail failure to approve within agreed timescales																
		Delay Only			New Requirements by Public Realm Design Workbook (SDS Letter 648)																
		Delay Only			New Requirements by Public Realm Design Workbook (SD6 Letter 645)																
		Delay Only			Delay and Disruption to Crew Road Gardens Bridge IFC																
		Delay Only			Delay and Disruption to Roseburn Terrace Bridge, Trampstop, Ret. Walls																
		Delay Only			Delay and Disruption to Roads detailed design as SDS Letter 01074																
		Delay Only			Delay and Disruption to Roads detailed design as SDS Letter 01074																
		Delay Only			Delay and Disruption to Ground Investigation																
		Delay Only			Delay and Disruption to Ravelston Trampstop, Dykes Bridge																
		Delay Only			Asbestos in SD6 at Haymarket - asbestos and rail signs															no further action under this INTC-Ref.	
		1A		SKY	Amendments to Ocean Terminal Layout	146,451.26	75,000.00	-25,000.00	146,451.26				-25,201.00								171,652.26
		Delay Only			Delay and Disruption due to amended design A 25920 Balfour St Tram Stop																
		Delay Only			Delay and Disruption due to amended design SD6250040																
		Delay Only			Delay and Disruption due to amended design SD624720																
				SKY	TNC 6 Bernard Street Public Realm Works	1,306,728.22			1,306,728.22				720,356.00								586,372.22
				SKY	TNC004-Water Main Diversion only	126,513.46		60,000.00	126,513.46				126,513.46								
		SDS-BSC		SKY	TNC007-St Andrew Square Public Realm Works as CEC approval	11,407,669.57			11,407,669.57				4,170,130.13								7,237,539.44
		Delay Only			Delay & Disruption due to late approval CEC of SDS 27980																
		Delay Only			Delay & Disruption by CEC due to late registering Section 1A Batch 1/08																
		Delay Only			Delay & Disruption due to late approval CEC of Section 1 D																
		Delay Only			Notification from CEC with respect to road safety Auditors comments for Haymarket																
		Graham			Notified Department in accordance with Schedule 4 due to late Asbestos Survey																14.80
		SDS-Farrans	69/66	OHU	Diversion of Existing Sewer at Gogarburn Bridge - conflict with the 300mm dia	49,332.10	34,129.99	34,129.99	49,332.10				34,129.99		15,802.11	34,129.99	25,073.31	3,603.10	1,956.21	2,597.33	7.61%
		SDS-Farrans			Infra to investigate proposals for re-use of RBS Bunded Material	93,678.75	31,783.63	31,783.63	93,678.75				31,783.63		67,895.12	100,000.00	74,128.98	12,972.5	5,485.54	7,412.90	7.41%
					Drainage from Defined Public Realm - Railer connections to Depot																no further action under this INTC-Ref.
					Drainage from Defined Public Realm - Railer connections to Depot																no further action under this INTC-Ref.
		BSC			TNC009 - Ocean Terminal Revised Finishes	4,165.78	3,500.00	3,000.00	4,165.78				3,500.00		2,982.76		861.02	296.52			
		SDS			Murrayfield Retaining Walls - Introduce Visual Pattern to Murrayfield RTW	3,243.18	2,750.00	2,500.00	3,243.18				2,750.00		2,342.42		173.34	394.46			8.52%
					TNC 013-RSC-9000 - Trampstop Free to Move																no further action under this INTC-Ref.
					Revised specification (RBS) Gogarburn Trampstop Version 2	7,683.07	6,000.00	5,000.00	7,683.07				6,000.00		7,683.07						
		SDS-BSC		OHU	Revised specification (RBS) Gogarburn Trampstop Version 2	2,000,000.00		1,500,000.00	2,000,000.00				2,000,000.00								
					Murrayfield Trampstop - Provision of Secondary Staircase		25,000.00	15,000.00	32,648.35				25,000.00		21,294.72		1,575.81	2,129.47			5.60%
					Edinburgh Park - Earthworks and Drainage IFC Drawings																

2.08b Unapproved Changes

NTC	TCO	Section	Activity	QS	Description	Assessment			Status				Working Estimate						Remarks		
						Maximum	assessed	Minimum	Submitted	to be submitted	in principle agreed, but not approved	not agreed	Prepared	Budget for performance, design & estimate	Other Prelims 10%	Consortium Fees 7.4%	OH&P/Margin	Margin 1n%			
475	100	5C	BT	GAN	AB Underpass - BT works - Slew 2 way end 4 way ducts	4,995.99			4,995.99				4,995.99								partly approved (see 08a), figures here concerning net approved portion
476		ALL			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	15,000.00		25,000.00											
478		1		SKY	Issues to Closeout CEO Floor to AA Sign Off	2,000.00	1,500.00	1,000.00		2,000.00											
479		16		SKY	Proposed sewer lining at Water #1 Leith Bridge	10,000.00	7,500.00	5,000.00		10,000.00											
480		Farrans		OHU	Airport Bund Protection (T. Glöckner)																
481					TBA																
482		100		SKY	CEO's request for turning head at Depot	10,000.00	7,500.00	5,000.00	5,812.47	4,787.53			5,812.47								
483		ALL			Changes to sub-stations arising from development workshops	25,000.00	20,000.00	15,000.00		25,000.00											
484		Farrans		SKY	Culvert 1 - Excavation below formation level	25,000.00	20,000.00	15,000.00		25,000.00											
485		16		SKY	Manderston Street operational back crossover	25,000.00	20,000.00	15,000.00		25,000.00											
486		10		SKY	Gogar Depot South embankment reinstatement and associated drainage works	50,000.00	40,000.00	30,000.00		50,000.00											
487		ALL			Development workshop for drainage - changes arising	20,000.00	15,000.00	10,000.00		20,000.00											
488		16		SKY	Piling obstructions encountered at Gogar busway	20,000.00	15,000.00	10,000.00		20,000.00											
489		16		SKY	Testing of carriage way at Leith Walk	194,668.20	150,000.00	125,000.00	194,668.20				194,668.20								
490		16		SKY	Diversion of cables at Tower Place bridge	10,000.00	7,500.00	5,000.00		10,000.00											
491		100		SKY	IFC drawing changes - Haymarket Car Park	75,294.78	60,000.00	45,000.00		75,294.78											
492		Griffith		SKY	BDD Design issued for Construction Drawings - Murrayfield Stadium Tram Stop	20,000.00	15,000.00	10,000.00		20,000.00											
493		10		GAN	IFC drawing changes - Section 5A - Ducting and Cable Routes	100,000.00	80,000.00	70,000.00		100,000.00											
494		10		GAN	IFC drawing changes - Section 5C - Ducting and Cable Routes	100,000.00	80,000.00	70,000.00		100,000.00											
495		16		SKY	IFC drawing changes - Section 1A - Ducting and Cable Routes	100,000.00	80,000.00	70,000.00		100,000.00											
496		1C/1D		SKY	Princes Street arches	20,000.00	15,000.00	10,000.00		20,000.00											
497					TBA																
498		1C		SKY	Frederick Street pedestrian crossing	50,000.00	40,000.00	30,000.00		50,000.00											
499		1C		SKY	Pearly Place - redesign north side to incorporate a fourth lane eastbound	50,000.00	40,000.00	30,000.00		50,000.00											
500		Farrans		SKY	RBS Tramstop - Provide Future Proofing	50,000.00	40,000.00	30,000.00		50,000.00											
501		10		SKY	Additional excavation at Carrick Knowe North Abutment	20,000.00	15,000.00	10,000.00		20,000.00											
502		ALL			Trackside signage	20,000.00	15,000.00	10,000.00		20,000.00											
503					TBA																
504		1C		SKY	Traffic signalling control at Junction 41 - Lothian Rd/Charlton St/Princes St	2,500.00	2,000.00	1,500.00		2,500.00											
505		16		SKY	Removal of obstructions at Russell Road Retaining Wall	10,000.00	7,500.00	5,000.00		10,000.00											
506					TBA																
507					TBA																
508					TBA																
509		Upfit			Other Prelims, additionally submitted, but not yet approved	338,620.13	338,620.13	338,620.13	338,620.13				338,620.13	338,620.13		338,620.13					
TOTALS:						77,191,127	34,374,891	26,888,504	51,117,061	25,361,761	9,185,414	41,931,647	3,082,393.39	1,429,018.38	416,341.41	101,633.30	135,400.30	6.50%			

sum of submitted & not approved	sum = submitted of entries	sum = total job cost installed changes
76,677,821	51,117,061	1,946,993

Project: **Edinburgh Tram Network**
 as per: **31/10/2009**



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		0	
May-08	ACCUM	500,000	21,389,899	19,100,000	-2,289,899				19,100,000			0	
2	MONTH	1,052,000	2,414,100	2,289,899	-124,201	0	0	0	2,289,899	15/07/2008	04/06/2008	19,100,000	
Jun-08	ACCUM	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	15/09/2008	04/06/2008	2,289,899	
Aug-08	ACCUM	4,348,256	26,720,722	25,784,259	-936,463	0	0	0	25,784,259	11/09/2008	01/08/2008	4,394,360	
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	
5	MONTH	1,046,633	971,518	739,994	-231,524	0	0	0	739,994	25/10/2008	29/08/2008	739,994	
Sep-08	ACCUM	5,394,889	27,692,240	26,524,252	-1,167,988				26,524,252			26,524,252	
6	MONTH	3,339,638	705,826	809,079	-103,253	0	0	0	809,079	14/11/2008	31/10/2008	809,079	
Oct-08	ACCUM	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	ACCUM	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	ACCUM	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	1,858,132	-4,102,089	0	0	0	1,858,132	22/02/2009	30/01/2009	1,858,132	
Jan-09	ACCUM	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	ACCUM	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	03/04/2009	04/03/2009	2,979,868	
Mar-09	ACCUM	16,842,385	41,050,724	35,754,680	-5,296,045				35,754,680	17/04/2009	17/03/2009	33,912,994	
12	MONTH	3,034,909	2,429,613	2,227,854	-201,759	0	0	0	2,227,854	14/05/2009	14/04/2009	1,841,685	
Apr-09	ACCUM	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	25/05/2009	11/05/2009	2,227,854	
May-09	ACCUM	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	ACCUM	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	7,760,348	1,457,211	0	0	0	7,760,348	27/07/2009	10/07/2009	4,806,960	invoiced: regular & Phase 1B
Jul-09	ACCUM	25,725,560	57,217,961	48,006,960	-9,211,001				48,006,960	05/08/2009	28/07/2009	44,806,960	paid: Invoice No 18 & 19
16	MONTH	6,312,045	2,177,338	3,020,906	843,567	0	0	0	3,020,906	25/08/2009	05/09/2009	6,220,906	paid: Phase 1B
Aug-09	ACCUM	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	ACCUM	35,820,296	62,061,377	53,428,212	-8,633,165				53,428,212			53,428,212	
18	MONTH	3,930,846	5,478,014	5,379,520	-98,494	0	0	0	5,379,520	12/11/2009	27/10/2009	2,194,682	
Oct-09	ACCUM	39,751,142	67,539,390	58,807,732	-8,731,659				58,807,732			55,622,894	
												55,622,894	
												(w/o Advance Payment)	
												55,622,894	
												(with Advance Payment)	

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

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	12	0	0%	4	1	1	1	25%
1D	36	27	0	0%	3	1	0	0	0%
2					4	0	3	0	75%
5A					0	0	0	0	0%
5B	14	3	1	7%	9	1	4	0	44%
5C	6	0	0	0%	1	0	1	0	100%
6	27	6	0	0%	7	2	7	5	100%
7	68	10	10	15%	3	1	2	0	67%
System NCRs (non-audit)					18	4	11	1	61%
Cancelled					3	0	3	0	100%

3. Further quality-related events during this month

(please describe shortly)

ITP Packaging Readiness Workshops for Princess Street Works are continuing on a regular basis leading up to the scheduled handover of Princess Street at the end of November 2009.

A tie Design Safety Assurance Audit on CAF's scope of the works will take place on the 18th of November 2009.

tie shall carry out audits on BSC's 'Design Verification' & 'Depot Steelwork Erection' during the next period.

BSC and tie shall carry out an assessment of Solway Steel (supply and installation of Structural Steelwork) Handover documents during the next period.

Nearly all BSC Inspection and Test Plans now have tie 'Level A – No Objection' status.

	Project: Edinburgh Tram Network as per: 31/10/2009	
--	---	--

2.12 Safety Information System - SIS

Month October 2009	Prep by 	Jim	Contact phone or email. 			
Site or office and Unit⁵ ETN	BB Site, Office¹ and managers, (incl R&T's)	BB Supervisors¹ & workers (incl R&T's)	JV people & S/C³	Agency / hired people under BB control	Total	Others, eg public
Number	68	0	352	25	445	-
Hours ²	15,660	0	61,969	4,925	82,554	-

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	0	0	0	0
1st Aid only	0	0	2	0	0	0
Total days lost	0	0	0	0	0	0

Causing damage	0	0	7	0	0	0
Ecology / Pollution	0	0	2	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 ©HS email: @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	S 34 - Gogarburn Culvert 3
Picture 02	Section 7	S 30 - Gogarburn Culvert 1
Picture 03	Section 6	Depot Steel Structure
Picture 04	Section 5	Guided Busway
Picture 05	Section 5	Carrick Knowe Bridge - South Abutment
Picture 06	Section 5	Carrick Knowe Bridge - South Abutment
Picture 07	Section 1	Princes Street
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	10,000		10,000
02.	Liquidated Damages	464,000		464,000
03.	Interface with Railway Authorities	25,000		25,000
04.	Uninsured Economic Losses	132,500		132,500
05.	Delayed Start Of Construction Works	360,000		360,000
06.	Firm items In Value Engineering	279,500		279,500
07.	Quantity Risk Adjusted in Job Estimate 09/2008	1,000,000	292,824	707,176
08.	Corderoy's Quantities For Pavements in Sect. 5	389,000		389,000
09.	CEC Planning	25,000		25,000
10.	Road Safety Audit	250,000		250,000
11.	Network Rail	75,000		75,000
12.	Edinburgh Park	37,500		37,500
13.	Forth Ports	5,000		5,000
14.	HMRI	25,000		25,000
15.	Rails Drainage, Connections to existing drainage	70,000		70,000
16.	Tramstop	71,500		71,500
17.	Bonding and Earthing Not Priced	14,500		14,500
18.	Obstructions / Boulders (Piling And Anchoring)	30,000		30,000
19.	Settlement / Consolidation	20,000		20,000
20.	Soil Stabilization For Traffic on Embankments	100,000		100,000
21.	Reconstruction In Full Depth Of Pavement 1B	197,500		197,500
22.	Labour	40,000		40,000
23.	Staff	40,000		40,000
24.	Performance Of Utility Companies	5,000		5,000
25.	Ecology	1,000		1,000
26.	Pollution	2,000		2,000
27.	Changes In Law	30,000		30,000
28.	Legal Support	100,000		100,000
29.	Value Engineering	200,000		200,000
30.	Interpretation Of Code Of Constuction Practice	100,000		100,000
31.	Siemens/BB Scope Split	500,000		500,000
total Estimated Risks from Top Sheet (Unqualified Risk Register)		4,599,000	292,824	4,306,176
Estimated Opportunities from Top Sheet (Unqualified Risk Register)				
32.	Changes in Employers Requirements	-100,000		-100,000
33.	Package Contractors Interface	-10,000		-10,000
total Estimated Opportunities from Top Sheet (Unqualified Risk Register)		-110,000	0	-110,000
Additional Estimated Risks				
34.	Interface Systems & Civils	1,000,000	0	1,000,000
total Additional Estimated Risks		1,000,000	0	1,000,000
Estimated Escalations				
35.	Escalation - Farrans Adjusted in Job Estimate 11/2008	483,046	483,046	0
36.	Escalation total Adjusted in Job Estimate 08/2009	4,388,294	942,000	3,446,294
37.	Enhanced Labour Rate	294,000		294,000
total Additional Estimated Escalations		5,165,340	1,425,046	3,740,294
Contingencies released				
38.	Overall Adjusted in Job Estimate 10/2009	0	3,916,682	-3,916,682
total Additional Estimated Escalations		0	3,916,682	-3,916,682
total		10,654,340	5,634,552	5,019,788

Project: **Edinburgh Tram Network**

as per: **31/10/2009**



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	15	26	6	66	24	2	5	
2	Issued for External Approval (IFEA)	41	71	4	126	47	9	15	187	126	313
3	Issued for Construction (IFC)	39	556	109	255	723	220	173	1820	255	2075
4	Partially agreed for Construction (PAFC)	2	7	5	0	0	0	0	14	0	14
5	Agreed for Construction (AFC)	0	0	0	0	0	0	0	0	0	0
6	For As-Built Info Incorporation	0	0	0	0	0	0	0	0	0	0
7	As built	0	0	0	0	0	0	0	0	0	0
8	Hand over	0	0	0	0	0	0	0	0	0	0
9	Withdrawn	6	0	4	0	0	0	0	10	0	10
10	To be IFEA, but no IFC	0	0	0	0	0	0	0	0	0	0
11	IFEA, but no IFC	227	120	16	44	62	28	37	490	44	534
12	Not to be IFEA or IFC	278	153	16	89	126	20	48	641	89	730
13	New drawings to be issued following Change Order (CO)	126	70	1	0	142	8	27	374	0	374
14	New drawings to be IFEA following CO, but no IFC	0	0	0	0	4	0	0	4	0	4
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)		732	996	156	580	1128	287	305	3604	580	4184
Issued for Construction (3+5~8+15+16+18)		39	556	109	255	723	220	173	1820	255	2075
Total Issue for Construction (1~3+5~8+15+16+18)		95	653	119	447	794	231	193	2085	447	2532
Percentage of completion IFC		41.1%	85.1%	91.6%	57.0%	91.1%	95.2%	89.6%	87.3%	57.0%	82.0%
IFC incl. new Issues for CO (3+5~8+16+17)		39	556	109	255	723	220	173	1820	255	2075
Total IFC incl. new Issues for CO (1~3+5~8+13+16+17)		221	723	120	447	936	239	220	2459	447	2906
Percentage of completion IFC		17.6%	76.9%	90.8%	57.0%	77.2%	92.1%	78.6%	74.0%	57.0%	71.4%