

EDINBURGH TRAM NETWORK

Monthly Project Report
August 2010



Monthly Report Major Projects

Project: Edinburgh Tram Network

Reporting Period: August 2010

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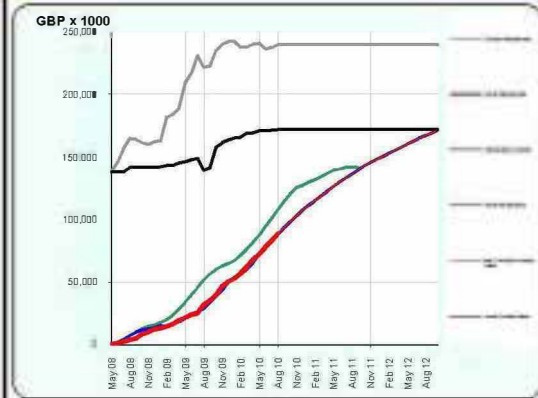
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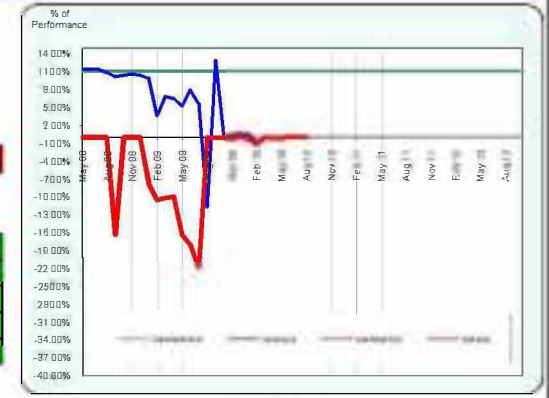
1.01 Project Overview Charts



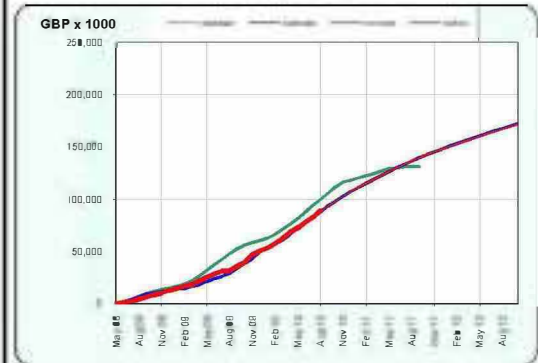
Performance

	Contract Plan (Rev.1)	Revised Plan (actual)	Forecast (Rev 3A)	Actual	Status Figures
Construction start date	15-May-08			15-May-08	
Construction end date	16-Jul-11	05-Jun-12	20-Nov-13		17.5 month
Total contract value [GBPx1000]	141,509			171,697	
Claims / Variations approved				37,416	
Claims / Variations not approved				67,797	
Performance		87,900		89,029	101.3%
Actual Cost to Date				89,102	100.1%
Result	11.07%	-0.21%	-0.21%	-0.08%	0.00%
Payment Status		92,259		84,319	91.4%
Av.Perf/mth: Rem. & act. 3mth			3,594	5,461	

Project Key Figures



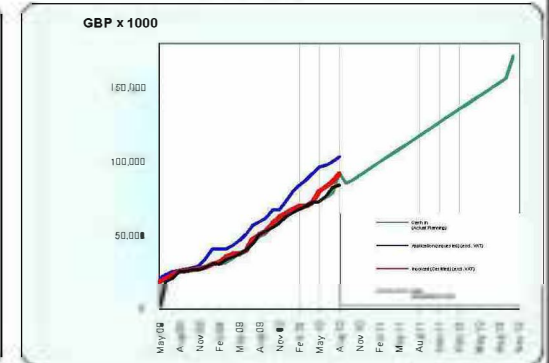
Project Result



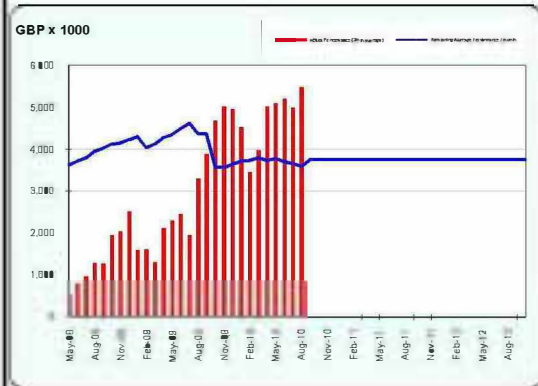
Project Cost



Cashflow



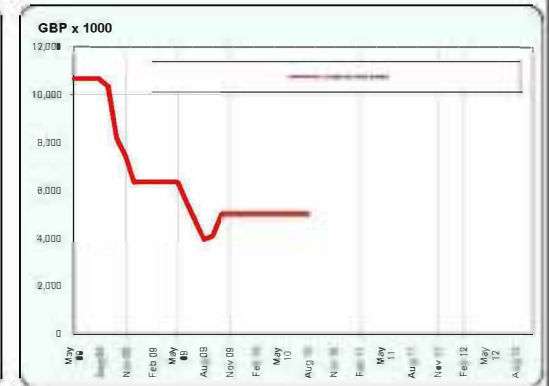
Payment Status



Remaining Performance / Resources



Milestone Trend Analysis (Forecast Rev 3A)



Contingencies vs Risks

1.02 Short note on Overview Charts

1.2.1	Performance												
<p>The current policy on site is still to limit work to elements which are unaffected by an unapproved change or which are the subject of acceptable instructions from the client, such that in either case payment is secure.</p> <p>Works at Lindsay Road, Tower Place Bridge, Haymarket Viaduct, Russell Road Retaining Wall, Balgreen Road Retaining Wall, Baird Drive Retaining Wall, Carrick Knowe Bridge, Guided Busway, Edinburgh Park Bridge and Airport Tram Stop Section were performed on this basis. Instructed construction parts (Clause 80.15) at Depot Access Bridge and Drainage Section 7 are ongoing on demonstrable cost basis during dispute resolution in accordance with the contract.</p> <p>In addition works with risk are executed on corridor Haymarket to Russell Road Bridge, corridor South Gyle Access Bridge to Edinburgh Park Bridge, A8 Underpass, Depot and Earthworks Section 7 as agreed with Executive Management.</p>													
1.2.2	Project Cost												
<p>The main cost overrun is due to cost and resource increases mainly caused by:</p> <ul style="list-style-type: none"> - subcontracts (standby claims, additional works) - extension of time (staff, financial, running site) - consultants and design works - insurances and bonds - cost for legal fees <p>Strict control measures on expenditures, employment etc. have been established as well as monthly cost control meetings with the relevant site management to increase awareness and effectiveness of cost control.</p>													
1.2.3	Project Result												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">The monthly cumulative results adds up to</td> <td style="width: 10%; text-align: right;">-£73,016.00</td> <td style="width: 10%; text-align: center;">or</td> <td style="width: 20%; text-align: right;">-0.08%</td> </tr> <tr> <td>The forecast/planned result shows</td> <td style="text-align: right;">-£368,157.00</td> <td style="text-align: center;">or</td> <td style="text-align: right;">-0.21%</td> </tr> </table> <p>caused by the fluent situation of the project, i.e. no agreement on 188 changes, time extension and fundamental contractual disagreements, i.e. Value Engineering, Provisional Sums. Under the current circumstances and expecting additional revenue as shown in the R&O Sheet the project will result in a weighted margin of</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 10%; text-align: right;">£14,128.08</td> <td style="width: 10%; text-align: center;">or</td> <td style="width: 20%; text-align: right;">7.09%</td> </tr> </table> <p>To secure a low risk profile the contractual team has been strengthened to facilitate a positive outcome on the legal disputes.</p>		The monthly cumulative results adds up to	-£73,016.00	or	-0.08%	The forecast/planned result shows	-£368,157.00	or	-0.21%		£14,128.08	or	7.09%
The monthly cumulative results adds up to	-£73,016.00	or	-0.08%										
The forecast/planned result shows	-£368,157.00	or	-0.21%										
	£14,128.08	or	7.09%										
1.2.4	Payment Status												
<p>The payments from the client tie remain in time based on the agreed invoice application before the invoice submission.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Certified net from the client:</td> <td style="width: 40%; text-align: right;">£92,184,328.02</td> </tr> <tr> <td>Paid net from the client:</td> <td style="text-align: right;">£84,319,339.43</td> </tr> </table>		Certified net from the client:	£92,184,328.02	Paid net from the client:	£84,319,339.43								
Certified net from the client:	£92,184,328.02												
Paid net from the client:	£84,319,339.43												
1.2.5	Cashflow												
<p>The ETN project cash flow remains cash positive. Furthermore the achievement of milestones in timely manner (monthly cut off dates) needs to be clarified with the client to allow or enable an optimized cashflow forecast.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Cash in net:</td> <td style="width: 20%; text-align: right;">£85,024,405.12</td> <td style="width: 20%;"></td> <td style="width: 20%; text-align: right;">(incl. interest income)</td> </tr> <tr> <td>Cash out net:</td> <td style="text-align: right;">£77,610,959.37</td> <td></td> <td></td> </tr> <tr> <td>Cash balance net:</td> <td style="text-align: right;">£7,413,445.75</td> <td></td> <td></td> </tr> </table>		Cash in net:	£85,024,405.12		(incl. interest income)	Cash out net:	£77,610,959.37			Cash balance net:	£7,413,445.75		
Cash in net:	£85,024,405.12		(incl. interest income)										
Cash out net:	£77,610,959.37												
Cash balance net:	£7,413,445.75												
1.2.6	Contingencies												
<p>The value for in the tender estimated contingencies is stable about:</p> <p style="text-align: center;">£5,019,788.00</p> <p>(see attachment 3.01)</p>													
1.2.7	Construction Programme												
<p>The revised Contract Programme shows the agreed 7 1/2 weeks extension of time for EOT1 (up to 06 September 2011) plus the in November by tie confirmed initial entitlement of 9 months relief on LD's for EOT2A (up to 05 June 2012), in total 11 months.</p> <p>Rev 3A programme was submitted to tie indicating an entitlement for prolongation up to 20 November 2013 (in total 28 months).</p>													

1.03 General Information

1.3.1 Short note on progress, events this month

Mobilisation :

Design:

Production of civil and building drawings in accordance with the original design is 98.2% complete. In general earthworks, roads, track, structures and depot drawings are available. Drawings for substations and tramstops are being completed to support construction. Civil drawings, revised to incorporate Siemens design (trackform including vibration isolation, OLE foundations, substations) are largely complete. Drawings are being prioritised to support construction. Resolution of technical interfaces and production of an integrated design, together with necessary system assurance and production of the case for safety, are ongoing within the design management team. SDS is progressing the remaining design in accordance with the acceleration programme to achieve an completion of the design in June/July 2010.

Procurement :

Where work is available, subcontractors are working under limited notices to proceed but all our contractors are very concerned about the impact on their works of unresolved change issues.

Construction :

Off-Street works have continued at Haymarket Viaduct, Corridor Haymarket to Russell Road Bridge, Russell Road Retaining Wall, Balgreen Retaining Wall, Baird Drive Retaining Wall, Carrick Knowe Bridge, Guided Busway, Edinburgh Park Bridge, A8 Underpass, Depot, Earthworks Section 7 and Airport Tram Stop Section. On-Street works ongoing at Lindsay Road and Tower Place Bridge. Works on Depot Access Bridge and Drainage Section 7 are continued in accordance with the Clause 80.15 instruction by tie.

1.3.2 Significant extraordinary events

Date	Description	Remarks
09/08/2010	Dispute 13 - Clause 80.13	Adjudication completed
18/08/2010	Dispute 14 - Landfill Tax	Notification by BB
20/08/2010	Dispute 15 - Approval of Subcontracts	Notification by BB

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

Date	Description	Remarks

1.3.4 Status on Major Unapproved Claims / Variations / Changes

683 changes notified to date (93 by tie and 590 by Infracore).
 93 of these have been superseded by further changes or withdrawn.
 82 of these have a delay only impact and will not require an estimate.
 Therefore there are 508 changes requiring estimates.
 350 changes are submitted.
 Of this 150 changes were confirmed by tie and a total of 152 change orders + 1 small works change received (157 change orders in total, 5 of them replace a former change order).
 200 changes are under review in tie.
 158 estimates are to be submitted whereof 74 are awaiting design information.
 16 estimates of that are proceeding currently through the internal consortium approval process.


1.04 Performance Sheet

1. General Information				2. Construction Period		Original Contract	Revised Contract	Variance					
Client:	tie LIMITED			Construction start date	15-May-08	15-May-08	0 days						
Leadership:	BILFINGER BERGER UK LIMITED			Construction end date	16-Jul-11	05-Jun-12	325 days						
	0	Share: 100%	Share: 0%	Total excl. Site Removal	38 month	49 month	128 %						
Currency:	GBP	Rp.	(all amounts without V.A.T.)	Expired construction time	27.5 month	27.5 month	57 %						
Rate of Exchange Top Sheet:	1 GBP =	1.25 EUR	Actual: 1.21 EUR	Performance to date	89,028,606 GBP		52 %						
2. Total Contract Value				Date of Contract		Total Previous Month	August 2010	Total Reporting Month					
Contract Value with Client (first evaluation)	141,508,815 (incl. SDS NovaAgree)												
Contract Value with Client (revised evaluation)	134,281,209 (incl. SDS NovaAgree)			100.00%	171,211,633	127.5%	485,275	171,696,908 127.9%					
Contract Value with 3rd Parties (without interest)					0	0.0%	0	0					
					171,211,633	127.5%	485,275	171,696,908 127.9%					
3a. Provisional Sums				Total Previous Month		August 2010	Total Reporting Month						
SDS Novation Agreement Provisional Sums					2,564,800	1.9%	104,200	2,669,000 2.0%					
Defined Provisional Sums					181,489	0.1%	0	181,489 0.1%					
Undefined Provisional Sums					571,483	0.4%	0	571,483 0.4%					
3b. Claims and Variations				Total Previous Month		August 2010	Total Reporting Month						
Claims and Variations approved (= Total VOs Approved - 3a Provisional Sums)					33,612,652	25.0%	381,075	33,993,728 25.3%					
Claims and Variations submitted but not approved yet					44,195,391	32.9%	2,284,364	46,479,754 34.6%					
Claims and Variations under preparation					21,911,193	16.3%	-593,512	21,317,680 15.9%					
4a. Performance				Total Previous Month		August 2010	Total Reporting Month						
Performance for Actual Contract Value with Client					83,249,845	48.62%	5,778,761	89,028,606 51.85%					
Performance for 3rd Parties (without interest)					0	0.00%	0	0 0.00%					
Total Performance to Date					83,249,845	48.62%	5,778,761	89,028,606 51.85%					
Remaining Performance to Date					87,961,788	51.38%		82,668,302 48.15%					
Actual Planned Performance (Planned Performance per report date - Performance Last Month)					83,249,845	48.62%	4,650,000	87,899,845 51.19%					
4b. Cost				Total Previous Month		August 2010	Total Reporting Month						
Actual Cost at Reporting Date					83,295,829	48.65%	5,805,793	89,101,622 51.89%					
5. Result				Date of Contract		Total Previous Month	August 2010	Total Reporting Month					
Planned Result for Contract with Client (first evaluation)	15,670,750 11.07%												
Planned Result for Contract with Client (revised evaluation)	8,443,144 6.29%				11,082,695	6.47%	31,412	11,114,107 6.47%					
Actual Result at Reporting Date					-45,984	-0.06%	-27,032	-73,016 -0.08%					
Forecast Result at the End of Contract					-315,114	-0.18%	-53,043	-368,157 -0.21%					
Weighted Result at the End of Contract (Likely Case)					14,597,610	7.33%	-469,529	14,128,081 7.09%					
6. Invoices, Payment and Bank account				Total Previous Month		August 2010	Total Reporting Month						
Application to the client - excl. VAT	incl. Ret. Money	0	0.00%		100,435,788	58.66%	3,091,419	103,527,207 60.30%					
Certified by the client (Invoice) - excl. VAT	incl. Ret. Money	0	0.00%		86,724,745	50.65%	5,459,583	92,184,328 53.69%					
Cash in from the client - excl. VAT	excl. Ret. Money	0	0.00%		82,613,211	48.25%	1,706,129	84,319,339 49.11%					
Cash in from 3rd Parties - excl. VAT					0	0.00%	0	0 0.00%					
Interest income					700,951	0.84%	4,115	705,066 0.79%					
Cash out (excl. VAT)					73,858,207	43.14%	3,752,753	77,610,959 45.20%					
Net Liquidity	crediti	0	0%		9,455,955	5.52%	-2,042,509	7,413,446 4.32%					
7. Subcontractor Work (incl. Design)				Total Previous Month		August 2010	Total Reporting Month						
Total Portion of Subcontractor Budget	60,353,024 (incl. SDS) 44.95%				115,239,794	67.31%	387,394	115,627,188 67.34%					
Total Amount of signed Subcontracts incl. approved Variation Order					0	0.00%	0	0 0.00%					
Total Subcontractor Result to date					0	0.00%	0	0 0.00%					
Actual Subcontractor Costs to date (incl. Accruals)					0	0.00%	0	0 0.00%					
Therefrom invoiced to date					0	0.00%	0	0 0.00%					
8. Actual Forecast for Performance and Result				in TSD GBP									
Performance	Original planned				Actual / Forecast					Yearly Forecast			
	2008	2009	2010	2011	2008	2009	2010	2011	2012	Performance and Result in 2003			
Jan	1,706	2,786	2,346			584	2,632	3,750	2,450	Performance	12,940,002	7.5%	
Feb	2,526	4,026	2,026			1,739	4,077	3,750	2,450	Result	2	0.00%	
Mrz	3,526	5,026	2,526			1,579	5,170	3,750	2,450	Performance and Result in 2009			
Apr	4,526	5,276	2,526			3,035	5,755	3,750	2,450	Performance	37,733,662	22.0%	
Mai	855	5,776	6,026	2,526	500	2,268	4,337	3,750	2,450	Result	-2	0.00%	
Jun	1,355	5,776	6,526	1,026	1,052	2,049	5,492	3,750	2,450	Performance and Result in 2010			
Jul	2,375	5,776	6,526	1,026	1,331	1,531	5,112	3,190	2,450	Performance	56,954,942	33.2%	
Aug	2,855	6,026	6,526		1,465	6,312	5,779	3,190	2,150	Result	0	0.00%	
Sep	3,055	4,626	6,526		1,047	3,783	4,650	3,190	2,150	Performance and Result in 2011			
Okt	2,855	4,026	6,526		3,340	3,931	4,650	3,190	2,258	Performance	40,360,000	23.5%	
Nov	1,535	2,526	5,026		1,725	7,288	4,650	2,550		Result	0	0.00%	
Dez	1,446	1,866	1,706		2,481	3,635	4,650	2,550		Performance and Result in 2012			
Total	16,334	48,678	62,498	13,999	12,940	37,734	56,955	40,360	23,708	Performance	23,708,300	13.8%	
	Linear Calculation				total: 171,697						Result	-368,157	-1.55%
											Total Performance and Result		
											Performance	171,696,906	100.0%
											Result	-368,157	-0.21%
Edinburgh, 14/09/2010					Edinburgh, 14/09/2010								
Place and Date	M Foerder, Project Director				Place and Date	C Gebauer, Project Control Manager							

1.05 Weighted Result with Chances and Risks

Revenue		best case	likely case	worst case	Cost		best case	likely case	worst case
		' GBP	' GBP	' GBP			' GBP	' GBP	' GBP
1	Actual Contract Value according to Job Site Estimate incl. Approved integrated Changes	171,697	171,697	171,697	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-172,065	-172,065	-172,065
2	Unapproved, but in Job Site Estimate integrated Changes	6,686	2,646	-1,960	2	Unapproved, but in Job Site Estimate integrated Changes			
3	Total unapproved Changes	6,686	2,646	-1,960	3	Total unapproved Changes			
4.2					4.2	EOT3A- Cost	-13,225	-14,225	-16,225
4.3					4.3				
4.4					4.4				
4.5					4.5				
4.6					4.6				
4.7					4.7				
4.8					4.8				
4.9					4.9				
4.10					4.10				
4.11					4.11				
4.12					4.12				
4.13					4.13				
4.14					4.14				
4.15					4.15				
4.16					4.16				
4.17					4.17				
4.18					4.18				
4.19					4.19				
4.20					4.20				
Σ 4.1 : 4.20	Risks not included in JSE				Σ 4.1 : 4.20	Risks not included in JSE	-13,225	-14,225	-16,225
5.1	Back Flow of Value Engineering	3,425	2,925		5.1	Uninsured Economic Losses	2,200	1,000	
5.2	Change Order EOT2b	7,553	6,600	3,300	5.2	Interest Income	200	150	100
5.3	Change Order EOT3A	17,624	15,400	7,700	5.3				
5.4					5.4				
5.5					5.5				
5.6					5.6				
5.7					5.7				
5.8					5.8				
5.9					5.9				
5.10					5.10				
5.11					5.11				
5.12					5.12				
5.13					5.13				
5.14					5.14				
5.15					5.15				
5.16					5.16				
5.17					5.17				
5.18					5.18				
5.19					5.19				
5.20					5.20				
Σ 5.1 : 5.20	Chances	28,602	24,925	11,000	Σ 5.1 : 5.20	Chances	2,400	1,150	100
6 =1+3+4+5	Forecast Final Revenue	206,985	199,268	180,737	6 =1+3+4+5	Forecast Final Costs	-182,890	-185,140	-188,190

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue	206,985		
	Costs	-182,890		
	Result	24,095		
% Gross Margin based on Revenue Best Case	Revenue: 206,985	11.64%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue		199,268	
	Costs		-185,140	
	Result		14,128	
% Gross Margin based on Revenue Likely Case	Revenue: 199,268		7.09%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue			180,737
	Costs			-188,190
	Result			-7,453
% Gross Margin based on Revenue Worst Case	Revenue: 180,737			-4.12%
Gross Margin previous month (most likely case)		11.01%	7.10%	-2.12%

	Project: Edinburgh Tram Network as per: 31/08/2010	
2.01 Cost Reconciliation Sheet		
see following pages		

Project: GB-2006-1001AK26 Edinburgh Tram 2010_08
Reporting Month: 26. R.-P. 08.2010, 31/08/2010

COST RECONCILIATION & FORECAST FINAL (REMEASURED CONTRACT)

Currency: GBP

WORK / COST CODES		TO DATE								CURRENT MONTH			BUDGET CONTRACT AND EXECUTION					FORECAST FINAL					
Work / Cost Code	Description	Actual Cost	Accruals Deferrals	Actual Cost with Accruals	Actual Allowable incl. agreed VO's	Allowable for unapproved VO's	Variance to Date	Revised DJC I/Qx/DJC-Rate	Variance to Date	Actual Cost with Accruals	Actual Allowable	Variance	Budget Original WQty.	Budget Orig. Contr. with AQty.	Budget Agreed VO's AQty.	Budget unappr. VO's AQty.	Budget Total AQty.	Revised DJCt AQty.	% Complete	Cost to Complete (A-Q-1-Q)	Forecast Final Cost	Forecast Final Variance	Projected Variance (linear)
Total Cost incl. Prime Cost Sums		82,766,260	6,335,36	89,101,622	67,296,745	2,186,51	-19,618,36	89,215,96	114,33	5,805,79	4,675,321	-1,130,47	125,838,065	125,838,065	34,747,780	2,450,97	163,036,818	172,065,066	51.9 %	82,849,106	171,950,728	-8,913,91	-37,800,31
Prime Cost Sums 0 / 0																							
Total Cost without Prime Cost Sums		82,766,260	6,335,36	89,101,622	67,296,745	2,186,51	-19,618,36	89,215,960	114,33				125,838,065	125,838,065	34,747,780	2,450,97	163,036,818	172,065,066		82,849,106	171,950,728		

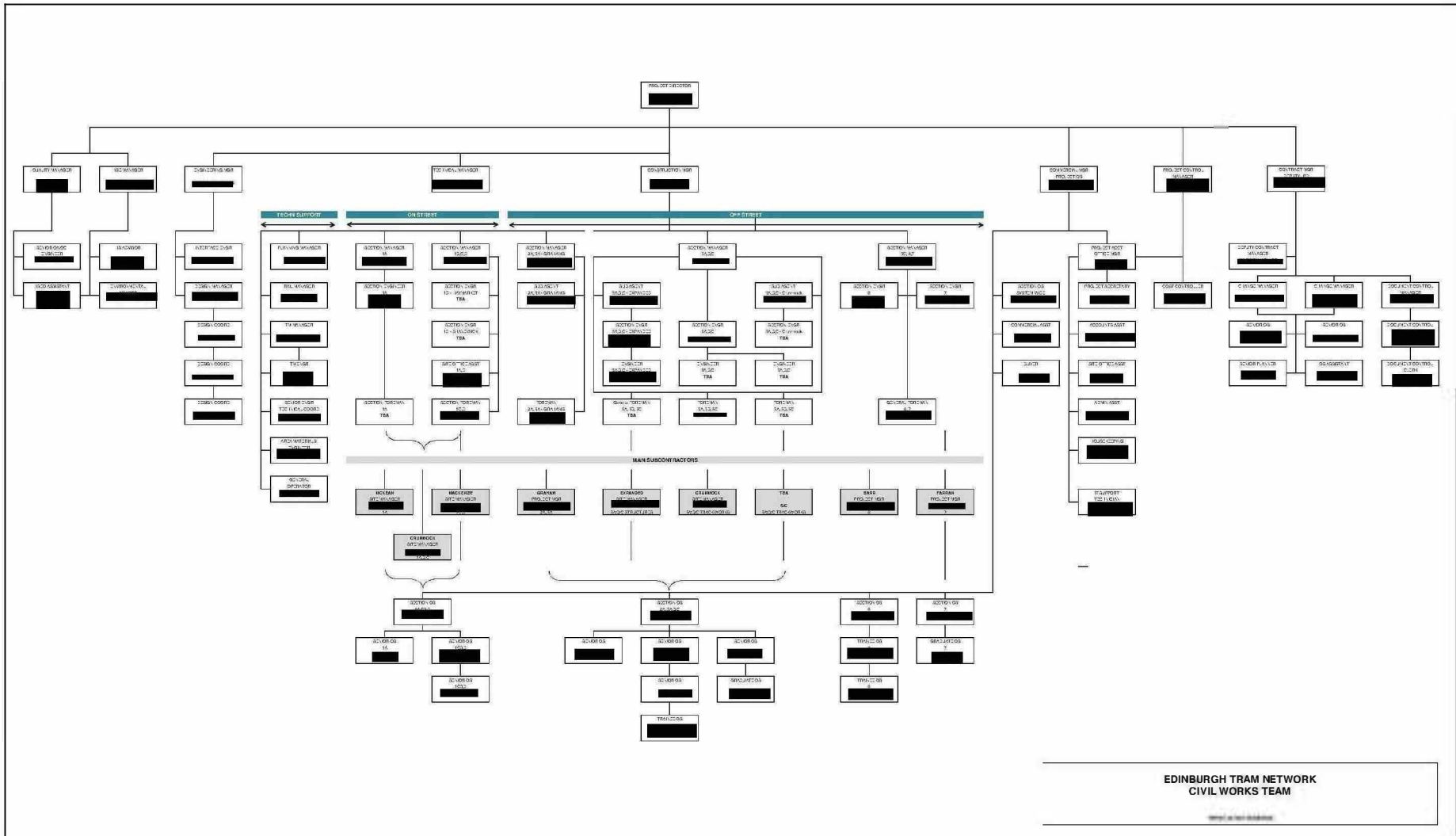
REMEASURED CONTRACT:

Gross Margin original Contract and agreed VO's (PF = 0.9979, PFB = 1.0692)

Total Cost without Prime Cost Sums	89,101,622	67,296,745	89,215,960	125,838,065	125,838,065	34,747,780	2,450,97	160,585,845	172,065,066	171,950,728
Gross Margin		4,556,935	-187,354	15,670,750	8,443,144	2,667,920,00	11,111,064	-368,157		-253,819
Gross Margin in % of Performance	6.47 %		-0.21 %	11.07 %	6.29 %	7.13 %	6.47 %	-0.21 %		-0.15 %
Performance without Prime Cost Sums		71,953,68	89,028,60	141,508,815	134,281,209	37,415,700	2,646,239	171,696,909	171,696,909	171,696,909
Actual Cost to date	89,101,622		89,101,622							
Gross Margin to date		-17,147,942								
Gross Margin to date in % of Performance		-23.83 %								
Performance Prime Cost Sums										
Total Performance		71,953,680		89,028,606	141,508,815	134,281,209	37,415,700	171,696,909	171,696,909	171,696,909
Revenue according WBS										

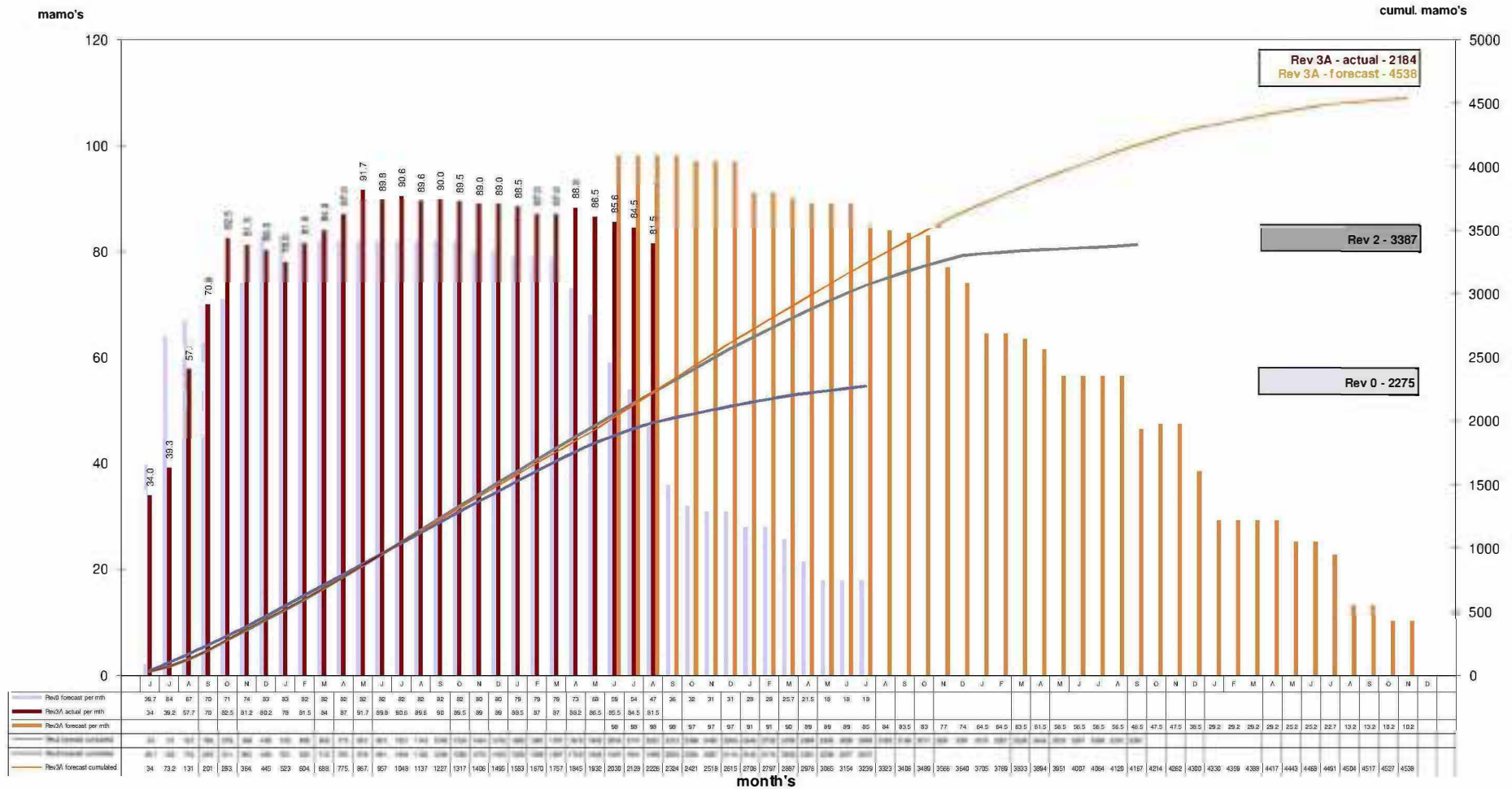
Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0132, PFB = 1.0693)

Total Cost without Prime Cost Sums	69,483,25	89,215,960	125,838,065	125,838,065	34,747,780	2,450,97	163,036,818	172,065,066	171,950,728
Gross Margin	4,815,190	1,177,651	15,670,750	8,443,144	2,667,920,00	11,111,064	2,278,082		2,392,430
Gross Margin in % of Performance	6.48 %	1.30 %	11.07 %	6.49 %	7.13 %	6.47 %	1.31 %		1.37 %
Valued Performance without Prime Cost Sums	74,298,447	90,393,611	141,508,815	134,281,209	37,415,700	2,646,239	174,343,148	174,343,148	174,343,148
Actual Cost to date	89,101,622		89,101,622						
Gross Margin to date		-14,803,175.00							
Gross Margin to date in % of Performance		-19.92 %							
Performance Prime Cost Sums (incl. valued performance)									
Total Performance (incl. valued performance)		74,298,447		90,393,611	141,508,815	134,281,209	37,415,700	2,646,239	174,343,148
Revenue according WBS (VO's valued)									
Revenue according WBS (VO's valued by 100%)									



2.06 Staff Chart

Staff mammo performance Edinburgh Tram



2.08a Approved Change Orders

INTC	TCO	DRP	Prov Sum	Section	Activity	QS	Description	Date of Approval	Revenue	Budget for performance, design & estimate	Other Preims 17.5 %	Consortium Fee 7.4 %	OH&P/ Margin	Margin in %	Remarks
													5=1-2-3/4	6=5/1	
				SDS	66		SDS Novation Agreement Provisional Sums	28/02/10	2,669,000.00	2,669,000.00					
				IC/D	96	SSm	Works carried out under Supplemental Agreement concerning Princess Street X	20/03/09	12,790,161.05	10,465,330.13		1,393,120.78	921,710.14	7.21%	
018	001			Graham	61	GAN	Archaeological Survey to the Caley Ale House	19/09/09	5,875.61	4,430.40	775.32	327.85	443.04	7.41%	
021	002			Graham	61	GAN	Asbestos in the Caledonian Ale House	19/09/09	5,053.64	4,487.50	785.31	332.08	448.75	7.41%	
053	003			5C		GAN	TNC004-Utilities diversions & associated works	10/10/09	39,217.65	28,539.95	5,494.81	2,323.54	2,859.29	7.29%	
087	004			BSC	64/65		Duct installation at Leith Walk	2/01/09	344.00	255.00	44.63	19.87	25.50	7.41%	
059	005			Graham	61	GAN	Notified Departure in acc. With Schedule 4 due to tie-Asbestos Survey	30/10/09	29,947.90	22,200.00	3,885.00	1,642.80	2,220.00	7.41%	
051	006			5A		GAN	TNC002-Utilities diversions & associated works	03/12/09	75,498.50	54,844.68	10,576.85	4,473.50	5,494.47	7.28%	
052	007			5B		GAN	TNC003-Utilities diversions & associated works	03/12/09	88,027.17	64,070.99	12,333.61	5,215.39	6,407.19	7.28%	
166	008			1A	31	SKY	Demolition of existing garage and fuel tanks on Ocean Drive.	03/12/09	19,560.50	14,500.00	2,537.50	1,073.00	1,450.00	7.41%	
176	009			Farrans	62	OHU	Temporary Ramps (2 r/c) at Gogar Church Road Construct Car Park	19/12/09	7,725.09	5,622.71	1,092.38	457.69	552.27	7.28%	
237	010			Graham	61	GAN	Move-site boundary fencing at Haymarket Car Park	17/12/09	987.96	719.09	138.43	59.53	71.91	7.28%	
272	011			5B	54	GAN	Starter Layer below Subsoil Level at Carrick Knocwe	17/12/09	96,557.69	70,280.00	13,528.90	5,720.79	7,028.00	7.28%	
023	012			Graham	61	GAN	Demolition of Access Steps to Haymarket Station Carpark	23/01/09	2,360.75	1,710.00	305.25	126.54	217.66	9.23%	
				013			see TCO 4								
192	014			1B	40	SKY	Discovery of Cable & Wireless ducts - Chainage 108	22/01/09	187.35	136.36	26.25	11.10	13.64	7.28%	
048	015			SDS	66		Additional TRO Drawings as SDS Letter dated 4th July 2008	22/01/09	3,550.19	3,024.00		223.79	302.40	8.52%	
168	016			1A	31	SKY	Demolition of existing building at 33 Ocean Drive.	02/03/09	6,745.00	4,999.52	875.00	369.22	511.26	7.58%	
007	017			BSC	65		Hard standing at Haymarket Yards.	29/01/09	1,011.75	750.00	131.25	55.50	75.00	7.41%	
084	018			SDS-BSC			TNC005-Burnside Road Diversion - Fees for design (INF_CORR.006)	03/02/09	720.00	613.29		45.39	61.33	8.52%	
271	019			SDS	66		Read Construction Details - Construction Methodology Statements for	13/02/09	372,540.13	317,395.50		23,482.08	31,732.55	8.52%	
289	020			SDS	66		Instructions arising from Traffic Development Workshop	19/02/09	371,057.99	316,053.00		23,399.55	31,606.30	8.52%	
274	021			TM	21	SKY	Princess Street Construction Works - closure to traffic during construction	13/02/09	7,822.40	5,575.29	675.85	412.54	557.63	7.41%	
050	022						not concerning BB								
159	023			DPS			Removal of Provisional Sum Main Contract - Relocation Ancient Monuments	12/03/09							
141	024			SDS	66		West End Tramstop - revised requirements from CEC/ie.	09/04/09	16,636.11	14,170.50		1,048.62	1,417.05	8.52%	
266	025			Depot		OHU	Monthly Track Monitoring Network Rail East Coast North Line / Gogar Depot	27/03/09	5,369.02	3,980.00	695.50	294.52	398.00	7.41%	
173	026			Graham	61	GAN	Discovery of underground petrol tank at National Car Rental Site.	07/04/09	5,530.90	4,100.00	717.50	303.40	410.00	7.41%	
075	027			Farrans	62	OHU	Temporary Access Ramp from Depot	27/03/09	16,303.74	12,221.80	2,115.02	894.33	1,072.59	6.58%	
187	028			Depot		OHU	Additional excavated material at Depot	02/04/09	1,650,654.40	1,223,272.73	235,480.00	89,574.40	102,327.27	6.16%	
303	029						not concerning BB								
295	30.1			Farrans	62	OHU	Scottish Gas Networks - Trial Investigations to protect gas main at Culvert 2	29/04/09	16,430.30	11,993.64	2,306.91	941.45	1,199.36	7.29%	
354	30.2			BSC	64/65		New Manhole (MH) at Balbirnie Place	12/02/10	1,499.23	1,259.19		103.23	126.91	8.46%	
216	031			1B	40	SKY	Discovery of alkathene water pipe above formation level - Chainage 265 RHS	29/04/09	619.86	458.75	80.26	33.95	45.88	7.41%	
218	032			1B	40	SKY	Discovery of 2 No. LV and 1 No. LV cables above formation level - 192 RHS.	29/04/09	295.4	218.36	38.21	16.16	22.74	7.70%	
220	033			1B		SKY	Discovery of Water connection pipework above formation level - 161 RHS	29/04/09	91.8	68.10	11.91	5.04	6.91	7.41%	
223	034			1B		SKY	Discovery of stone culvert - Chainage 100 RHS	29/04/09	1,169.22	866.79	151.69	64.14	86.50	7.41%	
225	035			1B	48	SKY	Repairs required to footpath to allow pedestrian access - Chainage 170 RHS	29/04/09	323.17	239.59	46.12	19.50	23.66	7.28%	
260	036			1B		SKY	Relocate existing Control Box - Section 1B	29/04/09	1,274.99	945.11	165.40	69.84	94.51	7.41%	
293	037			Farrans	62	OHU	Gogar Castle Road tree felling	29/04/09	1,335.51	990.01	173.25	73.26	99.00	7.41%	
294	038			Farrans	62	OHU	Reinstate access ramp at Gogar Depot	29/04/09	9,799.94	7,132.21	1,372.91	580.56	743.22	7.28%	
296	039			Farrans	62	OHU	Formation Level of Gogarburn Bridge West Abutment	29/04/09	13,439.93	9,792.31	1,893.10	795.28	979.23	7.28%	
297	040			Farrans	62	OHU	Formation Level of Gogarburn Bridge East Abutment	29/04/09	8,466.27	6,162.01	1,186.23	501.60	616.43	7.28%	
327	041			1B	40	SKY	Dye test and camera survey at Chainage 170 RHS	29/04/09	711.82	527.66	62.31	39.05	52.77	7.41%	
328	042			1B	40	SKY	Reinstate slatted footway following MUDFA works	29/04/09	1,396.54	1,027.91	179.91	76.05	102.79	7.41%	
003	043			UPS	Consultants	71	Instruction to proceed with road surveys.	02/06/09	89,050.01	66,011.96	11,562.08	4,894.98	5,601.19	7.41%	
257	044			SDS	66		Feasibility Study (Design Only) Firth Ports access to ADM Milling	29/04/09	1,624.82	1,394.00		102.42	139.40	8.52%	
195	045			1B	40	SKY	Discovery of temporary pedestrian crossing/lighting ducts	29/04/09	910.16	675.00	118.13	49.85	67.09	7.37%	
193	046			1B		SKY	Discovery of Hydrant in kerb line - Chainage 333 RHS	29/04/09	449.22	333.01	58.29	24.64	33.30	7.41%	

2.08a Approved Change Orders

										Estimate						
INTC	TCO	DRP	Prov Sum	Section	Activity	QS	Description	Date of Approval	Revenue	Budget for performance, design & estimate	Other Preims 17.5%	Consortium Fee 7.4%	OH&P/ Margin	Margin In %	Remarks	
														5=1-2-3-4	6=5/1	
184	047			1B	40	SKY	Discovery of void around existing BT Duct - Chainage 360 RHS	29/04/09	192.3	142.60	24.86	10.55	14.26	7.41%		
169	048			1C	44	SSm	Demolition of Police Box Coffee Bar - Plearcy Place	29/04/09	10,615.92	7,869.4	1,377.16	582.34	786.96	7.41%		
330	049			1B	40	SKY	Install additional gully Chainage 250 RHS	08/05/09	2,170.11	1,579.55	304.06	128.57	157.66	7.28%		
157	050			Farrans	62	OHU	Survey of Existing Drainage (Gogar Landfill)	01/05/09	4,027.46	2,931.41	564.30	238.62	293.19	7.28%		
324	051			UPS	5C	GAn	A8 Underpass Phase 1 Piling Obstructions	01/05/09	4,513.58	3,420.00	598.50	253.08	342.00	7.41%		
340	052			5C	56	GAn	Edinburgh Park/Bridge South Abutment Base - Existing service (cable)	01/05/09	609.69	451.95	79.09	33.44	45.21	7.42%		
390	053			5B	54	GAn	Carick Knowe chainage 520200 to 520240 - sub-grade improvement	15/05/09	99,501.39	71,694.73	13,801.24	5,835.95	7,169.47	7.28%		
360	054			DPS	66	SDS	Alteration of Design at North Ports Road 8	15/05/09	11,932.54	10,164.00	752.14		1,016.40	8.52%		
361	055			UPS	5A	GAn	Scottish Power Utility Diversion near Murrayfield Station	05/05/09	8,699.80	6,189.55	1,217.54	514.95	769.96	8.95%		
167	056			UPS	5A	GAn	Accommodation Works to Wanderers Clubhouse Building at Murrayfield	26/05/09	191,060.84	141,631.46	24,795.51	10,480.73	14,163.14	7.41%		
339	057			1B	40	SKY	Remove ornamental iron balls from Groat Hill Depot	03/06/09	406.26	301.11	52.70	22.26	30.12	7.42%		
042	058			SDS	66		Delay and Disruption to Ravelston Tramstop Landscaping	01/06/09	2,409.05	2,052.00		151.95	205.20	8.52%		
392	059			5B	56	GAn	Pier 1 Base Formation - Section 5B	03/06/09	561.45	408.65	78.5	33.26	40.87	7.28%		
336	060			BSC	64		Extension to Site Office for 16/SDS personnel	02/06/09	150,000.00	120,000.00	21,016.81	8,897.11	0.00	0.00%		
349	061			TM	21	SKY	Traffic Management contingency for Emergency Utility Works	02/06/09	404.70	300.00	52.50	22.20	30.00	7.41%		
385	062			TM	21	SKY	Section 1C/1D - Additional MASS barriers on Great Stair Street	02/06/09	915.27	678.48	118.73	50.21	67.85	7.41%		
074	063			BSC	64/66		Sewer Diversion, Gogar Landfill	09/06/09	1,433.79	1,213.54	98.79		121.36	8.46%		
350	064			Farrans	62	OHU	Protected Species mitigation measures	06/06/09	9,262.22	6,862.20	1,204.48	509.32	686.22	7.41%		
273	065			SDS/BSC	64/65/66		Gogarburn Retaining Wall W14 - Re-design Water Mains and Gas Main	07/07/09	1,156.57	981.36		77.07	98.14	8.49%		
222	066			UPS	1B	40	SKY	Discovery of valves and a hydrant leading the new/kerb line - 120 RHS	10/06/09	617.61	457.83	80.12	33.86	45.78	7.41%	
238	067			TM	21	SKY	Temporary Traffic Lights opposite Manderson Street required	04/06/09	15,084.79	11,182.21	1,956.99	827.48	1,118.21	7.41%		
243	068			SDS	66		Forth Ports Substation - Lack of as built information	10/06/09	7,824.12	5,654.50		493.17	665.45	8.52%		
352	069			TM	21	SKY	Off-peak Taxi Rank at George Street	10/06/09	2,213.71	1,641.00	287.18	121.43	164.10	7.41%		
409	070			SDS	66		Forth Ports - New construction at Ocean Drive	10/06/09	2,817.60	2,400.00			240.00	8.52%		
w/c	071						not concerning BB									
259	072			SDS/5B	54/66	GAn	Cycleway at Edinburgh Park Station repositioned outwith the LOD	15/06/09	52,094.65	39,609.70	5,340.56	3,221.42	3,822.97	7.53%		
171	073			Consultants	71	SKY	Contract with Faber Maunsel for Transyt and Linsig Modelling Assessments.	16/06/09	64,809.00	48,043.00	8,407.5	3,555.18	4,803.30	7.41%		
373	074			UPS	Farrans	62	OHU	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	3,269.10	2,379.4	458.05	193.69	237.69	7.28%	
371	075			UPS	Farrans	62	OHU	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/BD/D/05	17/06/09	855.81	622.91	119.91	50.70	62.29	7.28%	
307	076			Graham	61	GAn	Contaminated Soil assessment at Haymarket Depot	11/06&20/09/09	54,986.59	40,761.00	7,133.16	3,016.31	4,076.10	7.41%		
439	077			SDS	66		SDS proposed office move to Edinburgh Park - IT costs	07/07/09	28,000.00	20,756.12	3,632.33	1,635.95	2,075.61	7.41%		
203b	078			Depot	63	OHU	Structural Steelwork	15/07/09	270,372.9	196,792.2	37,892.51	16,019.89	19,679.22	7.28%		
203a	079			Depot	63	OHU	Foundations	15/07/09	47,782.16	34,778.48	6,694.86	2,830.97	3,477.85	7.28%		
449	080			5B		GAn	Reinstatement of Bus Link	23/07/09								CO Value not issued - to be paid on Demonstrable Cost Basis
421	081						not concerning BB									
419	082			TM	21/43	SKY	Replace MASS barriers at St Andrews Square	14/08/09	22,936.59	16,973.00	2,970.2	1,256.00	1,667.31	7.41%		
438	083						not concerning BB									
279	84.1			SDS	66		West Pillon Tramstop	29/07/09	859.3	732.00		54.17	73.20	8.52%		
413	84.2			UPS	Farrans	62	OHU	Provide local protection of sewer at Chainage 711990	31/07/09	2,696.95	1,999.21	348.86	147.84	199.99	7.41%	
179	085			UPS	SDS	66	Gatehouse Works to Murrayfield Stadium Part 1	05/08/09	108,663.91	92,558.71		6,849.34	9,255.87	8.52%		
179	086			UPS	SDS	66	Gatehouse Works to Murrayfield Stadium Part 2	10/08/09	34,830.00	28,667.80		2,195.42	2,966.78	8.52%		
159A	087			BSC	64/66		Provisional Sum Main Contract - Relocation Ancient Monuments Abusive Costs	29/01/10	3,992.60	3,379.55		275.10	337.99	8.46%		
088							not issued yet									
234	089			UPS	1B	40	Leith Walk (Section 1B) Groundworks - Move THUS ducts - Ch 345 - 365	11/09/09	6,562.03	4,864.3	851.26	359.95	495.43	7.41%		
202	090			Farrans	62	OHU	IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	12/09/09	13,869.4	9,730.31	1,873.08	792.05	973.02	7.28%		
472	091			SDS	66		Developed kinematic envelope (DKE) check	08/02/10	15,118.7	12,878.00		952.87	1,287.80	8.52%		
401	092			Farrans	62	OHU	Additional earthworks to western approach embankment at Gogarburn Bridge	13/08/09	36,816.16	26,651.28	5,130.3	2,166.41	2,665.13	7.28%		
203g	093			Depot	63	OHU	Secondary Steelwork	17/09/09	2,355.95	1,714.79	330.10	139.59	171.48	7.28%		
334	094			Farrans	62	OHU	Access at New Ingliston	20/08/09	5,827.59	4,282.9	784.59	331.77	428.29	7.35%		
095							see TCO 161	27/09/09								w/c value yet - after Adjudicator's decision (DRP) re-estimate submitted

Project: **Edinburgh Tram Network**
 as per: **31/08/2010**



2.08a Approved Change Orders

INTC	TCO	DRP	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	
138	144			SDS	66		Revised location of OLE poles in Section 1A at the request of CEC.	04/05/10	4,575.43	3,897.30		298.40	399.73	8.52%	
	145						not issued yet								
050	146			SDS-Farrans	62/66	OHU	Diversion of Existing Sewer at Gogaburn Bridge - conflict with the 300 mm dia	07/07/10	36,292.29	26,778.71	4,804.20	2,031.49	2,677.97	7.39%	
473	147			1A	31	SKy	Construction of 3 no. sewer protection slabs and new chamber at Lindsay Road	02/04/10	31,635.17	23,025.68	4,432.47	1,874.30	2,302.72	7.28%	
	148						not issued yet								
257	149			5C	57	GAn	Carry out Scottish Water Diversions at Gogar Roundabout	07/05/10	83,295.35	61,746.00	10,805.55	4,569.20	5,174.60	7.41%	
053a	150			5C	54	GAn	TNC004 : Utilities diversions & associated works - Water main diversion only	31/03/10	112,879.89	83,675.72	14,643.43	6,192.08	8,367.66	7.41%	
	151						not issued yet								
589	152						not concerning BB								
479	153			5A	58	GAn	Proposed sewer lining at Water of Leith Bridge	04/05/10	58,708.69	44,261.44	7,745.75	3,275.35	4,426.14		
	154						not issued yet								
448	155			SDS:BSC	64/65/66		Change to street lighting at Haymarket Terrace	07/05/10	1,154.69	979.77		76.94	97.99	8.49%	
	156						not issued yet								
186	157			SDS:BSC	64/65/66		Little King Street works required by CEC outside the Limits of Deviation	18/05/10	2,487.75	2,111.21		165.35	211.13	8.49%	
052	158			5B	54	GAn	TNC003-Utilities diversions & associated works	30/07/10	-55,923.74	-40,749.8	-7,835.51	-3,313.34	-4,024.99	7.20%	
	159						not issued yet								
430	159			Graham	61	GAn	Additional white lining at Haymarket Station Car Park	28/05/10	3,930.65	2,913.71	509.91	215.62	291.38	7.41%	
088B	160			Farrans	62	OHU	Power Supply Ducts - Ingliston Park And ride Tram Stop	26/05/10	2,309.60	1,681.20	323.6	136.85	169.12	7.28%	
104	161.1	DRP		5A	58	GAn	IFC Drawing Change Baird Drive RTW	26/05/10	915,462.16	666,323.72	128,267.3	54,238.75	66,632.38	7.29%	settlement reached after DRP
146b	161.2			Graham	61	GAn	IFC Drawing Change Russell Road RTWs Wall 3	26/05/10	370,000.00	269,306.31	51,841.4	21,921.54	26,930.64	7.28%	
115	162	DRP		5B	58	GAn	IFC Drawing Change Carricknowe Bridge	26/05/10	138,265.23	100,637.05	19,372.6	8,191.86	10,063.69	7.28%	settlement reached after DRP
	163						not issued yet								
	164						not issued yet								
230	165	DRP		1A	31	SKy	IFC Drawing Changes - Tower Bridge Structure	19/06/10	260,973.48	189,950.89	36,565.54	-15,462.00	-18,995.09		settlement reached after DRP
155B	166			Farrans	62	OHU	IFC Drawing changes Gogaburn RTWs 14B & 15D	18/05/10	12,464.28	9,072.19	1,746.40	739.49	907.22		
111	167	DRP		Farrans	62	OHU	IFC Drawing Change Gogaburn Bridge	21/05/10	175,195.40	129,485.13	23,727.3	10,033.29	12,848.61		settlement reached after DRP
113	168			Graham	61	GAn	IFC Drawing Change Russell Road Bridge	16/06/10	60,174.06	43,787.99	8,431.11	3,565.16	4,379.80		
551	169			Graham	61	GAn	Removal and disposal of contaminated soil at Russell Road Retaining Wall	29/07/10	397,000.00	294,292.01	51,501.11	21,777.61	29,429.21	7.41%	
492	170			Graham		GAn	IFC drawing changes - Haymarket Car Park	19/08/10	40,000.00	29,651.69	5,189.03	2,194.22	2,865.16	7.41%	
429		DRP		EOT2a	64/65/67		Issue of MUDFA Programme Revision 8	13/1/09	6,500,000.00		4,199,580.00	1,799,820.00	600,600.00	9.10%	
n/a	n/a						Small Works Changes Approved		2,985.63	2,139.09	374.34	159.29	213.91	7.41%	
Changes TOTALS:									37,415,699.11	22,881,716.77	8,616,913.08	3,249,149.99	2,667,918.58	7.13%	
										<i>Sum=Total budget approved change orders</i>					
										34,747,779.83					

2.08b Unapproved Changes

NTC	TCO	DRP	Section	Activity	QS	Description	Assessment			Status				Working Estimate						Remarks			
							Maximum	Minimum	Weighted	Approved	Not Approved	In principle agreed but not approved	Not agreed	Fixed	Budget for performance design & estimate	Other Prelims 17.5%	Consentum Fee 7.4%	OH&P Margin	Margin 1%				
						IFC Drawing changes for Section 2 Track Drainage	-8,097.35	10,000.00	-11,000.00	8,097.35			-11,000.00										
			SDS	NS	100	Haymarket Viaduct - RTW - Temporary works changes due to projecting footing	10,000.00			4,000.00	15,766.56												
						S&L Risk Flooded - 100% RCP Bridge 7	94,128.79				94,128.79												
						Existing manhole at Russell Road Underbridge																	
						Tower Place Bridge - Unforeseen ground conditions existing tie rods	1,000.00	1,000.00	1,000.00														
						Invasive Species - Section 59 - Clarf Hogweed	8,000.00		8,000.00		10,000.00												
						Haymarket Viaduct - Existing BT Cable and Drainage Pipe	2,500.00		1,500.00														
						Notified Departure due to the issue of SDS Design programme V55																	
						Notified Departure due to the issue of SDS Design programme V56																	
						Section 3D drainage (Scottish Water) Approval closeout	20,000.00		15,000.00														
						Murrayfield tramstop revised layout	10,000.00				10,000.00												
						Provisional Sum - Network Rail Possession Staff	88,895.31																
						Artificial obstructions at Russell Road Underbridge																	
						Elder Street junction redesign	100,000.00	80,000.00	80,000.00		100,000.00												
						AB Underpass - Phase 4 (P10) Obstructions	25,000.00	80,000.00	15,000.00	13,356.00	11,644.00												
						CDM responsibility for removal of existing TM at West End Junction and others	138,012.12	100,000.00	80,000.00	138,012.12													
						Promotion of Traffic Regulation Orders (TROs) by CEO	3,000.00		3,000.00														
						Tramstops - Changing Brand Guidelines, TVMs and Validators	30,000.00	15,000.00	15,000.00		30,000.00												
						Listed Building Consents - Dublin Street																	
						Removal of Clarf Hogweed in P10.304	10,347.11	15,000.00	12,500.00	10,347.11													
						Reserved for Clarf Hogweed																	
						Additional Tram stop at Gogar to be named 'Edinburgh Gateway'	30,000.00	80,000.00	20,000.00		80,000.00												
						Relocate drainage from AB at Gogar Interchange	25,000.00	22,500.00	20,000.00		25,000.00												
						Remove existing sewer in Section 1A	20,000.00	15,000.00	15,000.00		20,000.00												
						Jane Street Road Mast - Feasibility Study and Site Share Application	8,725.00	1,000.00	5,000.00	8,725.00													
						Section 2 A - Phase 1A/1B Interface design	3,000.00	4,000.00	3,000.00		3,000.00												
						Roseburn Viaduct - Additional requirements to value engineered design	100,000.00	80,000.00	80,000.00		100,000.00												
						Topographical survey for Burnside Road	2,879.82	2,500.00	2,250.00	2,879.82													
						CLE south of road (Clarf Hughes)																	
						Lit signs requirements from CEO	8,000.00	18,000.00	15,000.00		8,000.00												
						CLE Foundation 200+249a1 Haymarket Yards	5,000.00	4,000.00	3,000.00		5,000.00												
						Live HV cable discovered at Structure W1 - Lindsay Road Retaining Wall 1D	5,000.00	4,000.00	3,000.00		5,000.00												
						SKY Lindsay Road addressing wall finish	1,000.00	1,000.00	1,000.00		1,000.00												
						Reserved for Graeme Angus																	
						S210 Murrayfield Underpass Test Soil Nailing	100,000.00	80,000.00	80,000.00		100,000.00												
						Reserved for Graeme Angus																	
						Excavation through rock within drainage run																	
						Stewing of existing ducts out with excavation line on the south side of the AB																	
						Utilities within Infraco Works TQ2075																	
						Ch200+108 Haymarket Yards - Unforeseen Ground Conditions																	
						Small Works Charges unapproved	33,790.26	8,000.00	25,000.00	33,790.26			33,750.26	3,000.00	22,979.99	4,227.88	1,700.82	2,297.99	1.8%				
TOTALS:							67,797,435	26,377,386	14,212,486	46,479,754	21,317,680	3,553,793	42,925,961	2,646,238.91	2,075,667.42	212,050.83	157,268.45	201,252.20	7.61%				

sum = submitted & not approved	sum = submitted changes	sum = installed job costs unapproved changes
67,797,435	46,479,754	2,444,986.71

2.11 Monthly Report on Quality Management

1. Audits

1.1 Internal Audits

Audit-No	Date	NCRs raised	NCRs Closed-Out	% Closed	Corrective Actions
BBUKETN001/10	28/06/2010	3	0	0%	7 no. observations for improvement also raised
FAR001/10	24/08/2010	1	0	0%	8 no. observations for improvement also raised
EXP001/10	06/09/2010	1	0	0%	12 no. Observations for improvement also raised

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

Audit-No	Date	NCRs raised	NCRs Closed-Out	% Closed	Corrective Actions
TSA-09-01 (System Eng / Integration)	28/08/2009	4	2	50%	
TQA-CEC-Princes Street/2010	20/07/2010	11	10	91%	

2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	% Comp'd	Raised		Closed out		
					Total	Month	Total	Month	%
1A	66	7	0	0%	6	1	2	-	33%
1B	-	-	-	-	0	-	0	-	0%
1C	13	12	12	92%	11	-	9	-	82%
1D	31	31	29	94%	6	-	3	-	50%
2	30	15	0	0%	13	2	7	-	54%
5A	12	0	0	0%	1	-	0	-	0%
5B	58	26	1	2%	18	2	12	-	67%
5C	27	5	0	0%	5	-	4	-	80%
6	35	27	2	6%	39	4	25	2	64%
7	68	44	11	16%	10	-	7	-	70%
System NCRs (non-audit)					109	9	69	2	63%
Cancelled					6		6		100%

3. Further quality-related events during this month

(please describe shortly)

2no Internal Audits scheduled for August and carried out on Farrans and Expanded. The results are posted in the table above. The ITP document reviews are ongoing, they are being updated as required and resubmitted to tie for approval. Source approval for all materials being used on site are being checked to ensure that all of the information and approvals have been sought. Requests for up to date testing certificates have been sent to all suppliers, resulting TQ's have been sent to SDS and responses are awaited. 2 TQs have been responded to, 1no. for skene, 1no for geddes. The remaining 2no. TQs have been queried and information has been sent on to SDS. BCS Document Control procedure is currently being updated, pending access to BIW for tie. The Project Management Plan in being reviewed and outdated sections are being updated.

Project: **Edinburgh Tram Network**
 as per: **31/08/2010**



2.12 Safety Information System - SIS

Bilfinger Berger Civil⁵ - Monthly Safety Report

Month	August 2010	Prepared by	[Redacted]					Contact phone or email.	[Redacted]
Site or office and Unit ⁵ Edinburgh Tram Project	BB¹ Managers and Supervisors	BB¹ workers	JV people	Sub-contractors³	Agency / hired people under BB control	Total	Others, eg public		
Number	67		38	518	17	640			
Hours ²	13199		7,486	84204	3349	108238			

Accidents in this month (if no accidents but a previous accident person is still away from work, write in days lost but leave accident space clear)							
Fatal						0	
Serious: over 3 days off work						0	
Travelling / commuting 3D+						0	
LTI: 1 -3 days off work						0	
1st Aid only				1		1	
Days lost ⁶ for this months accidents and any from previous accidents				22		22	

Incidents							
Causing damage						0	
Environment Ecology / Pollution				3		3	
Not work related						0	
Near misses, hazards reported				6		6	

Details of this months Fatal, Serious accidents (3d+) or serious incidents, and any previous non-RTW accidents							
IP Name or incident location/Ref	Employer	Injury / Incident	date of acc / inc	RTW date ⁴	Wkg days lost this month/ RTW		
[Redacted]	[Redacted]	Dumper incident and broken collar bone	20th July 2010		22		

Return to OHS-Wi by **8th** of following month OHS-Wi email: QM@civil.Bilfinger.com OHS-Wi fax 0049 (0)611 708 236

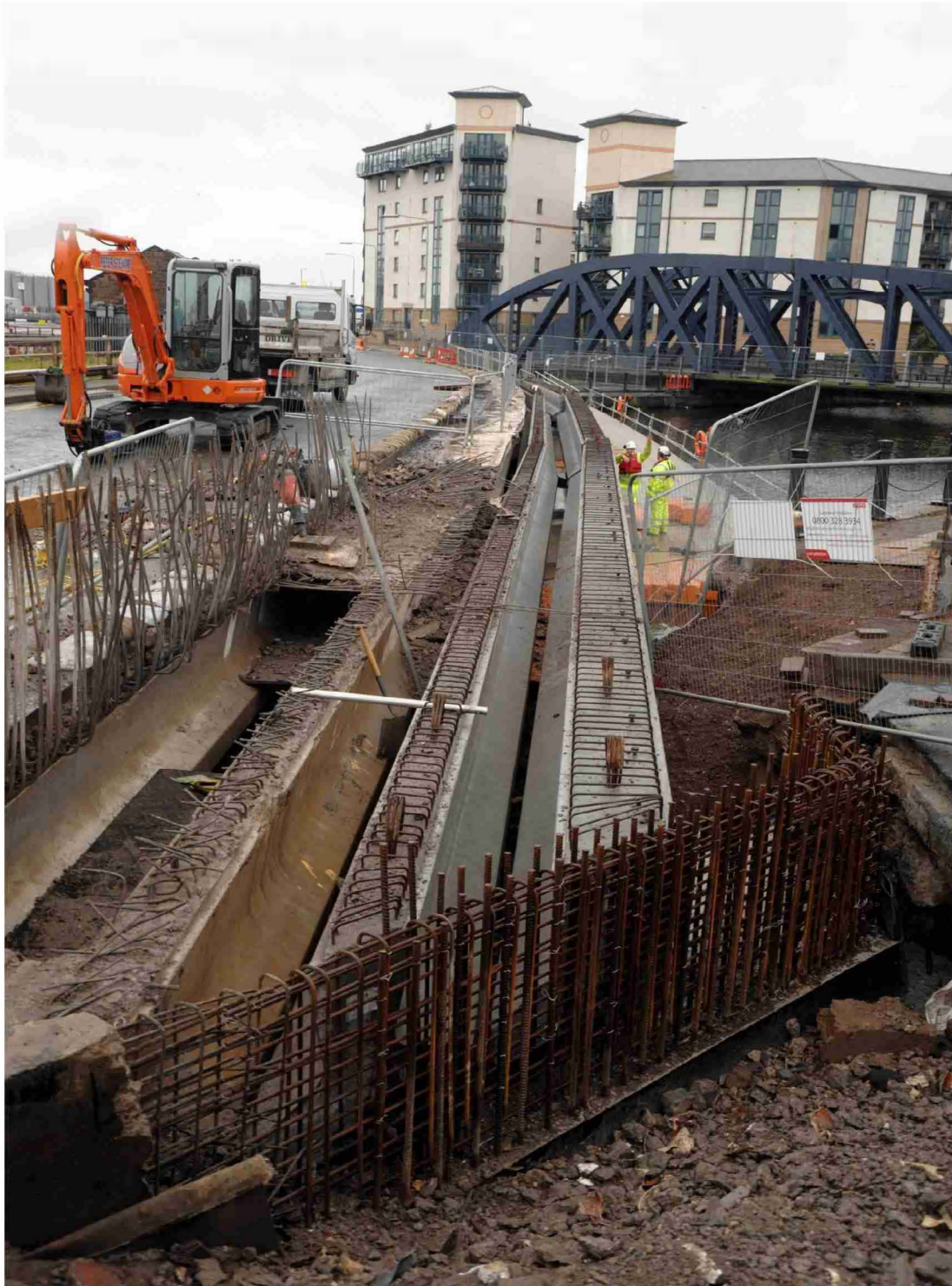
1. Average number of BB staff or site workers during the month.
 2. Hours should be included if known. Do not leave boxes blank eg make an estimate or multiply number of staff by monthly hours worked eg x 200
 3. Subcontractor numbers should be estimated if no exact figure known. Average part time workers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

2.13 Project Photographs

Picture 01

Section 1A

Tower Place Bridge

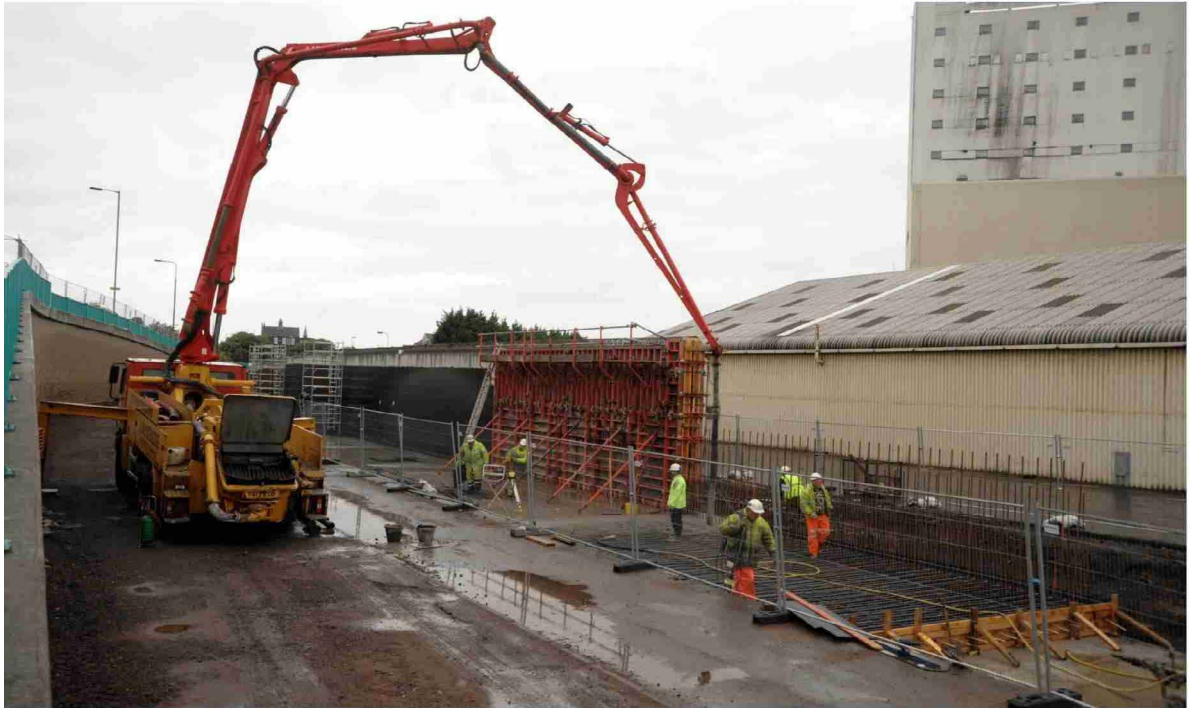


2.13 Project Photographs

Picture 02

Section 1A

Lindsay Road Retaining Wall



Picture 03

Section 2A

Russell Road Retaining Wall



2.13 Project Photographs

Picture 04

Section 5B

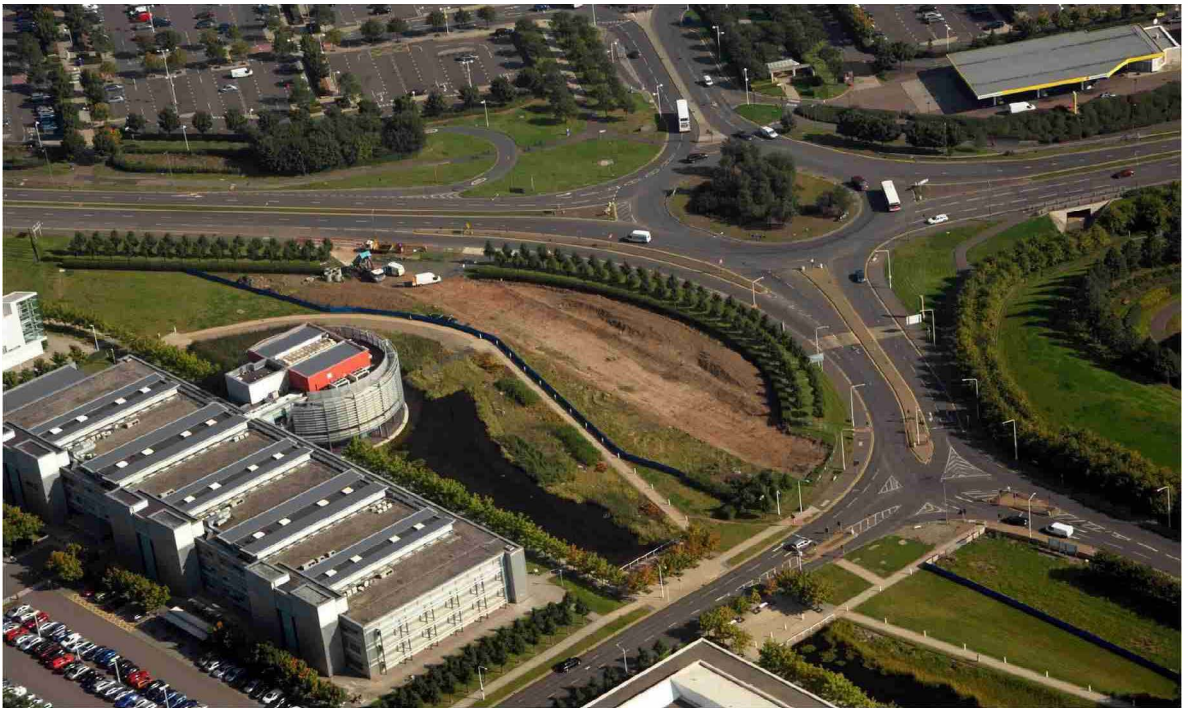
Busgate Track Works



Picture 05

Section 5B

Gyle Track Works



2.13 Project Photographs

Picture 06

Section 5C

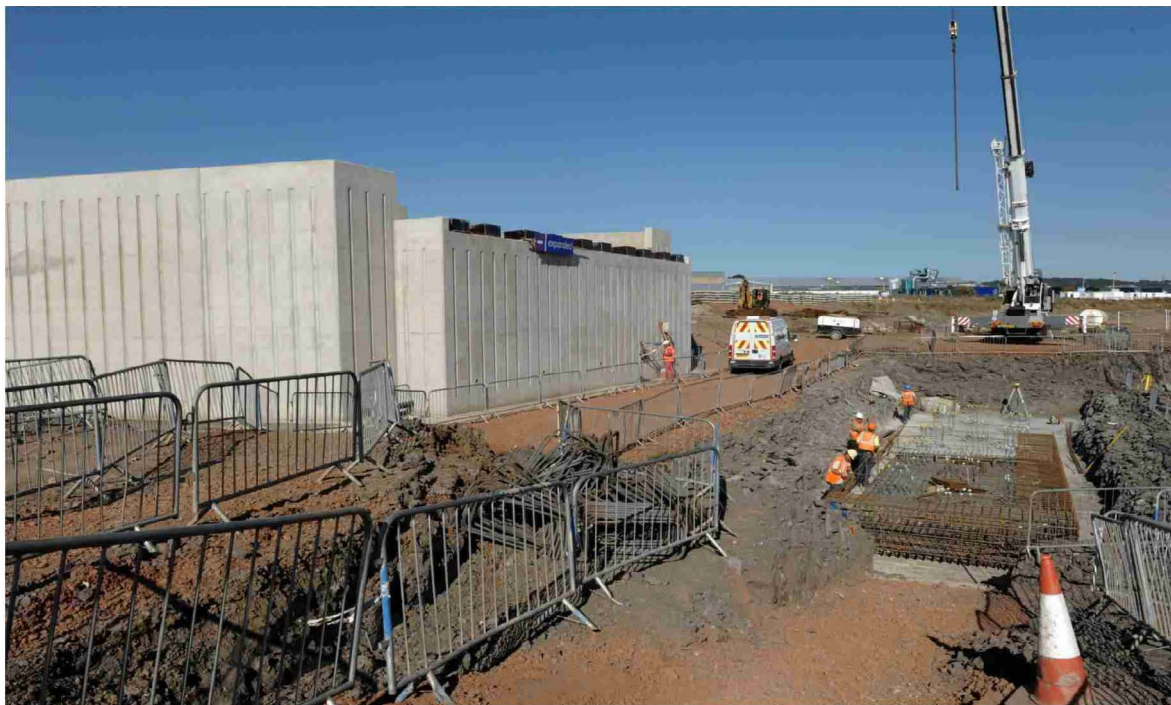
A8 Underpass



Picture 07

Section 5C

Depot Access Bridge



2.13 Project Photographs

Picture 08

Section 6

Depot



2.13 Project Photographs

Picture 09

Section 7

Track to Airport Station



Picture 10

Section 7

Track Gogarburn



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: **31/08/2010**



3.02 Design - Drawing Status

No.	Description Status acc. Sections	Sections							Phase		Total
		SW	1	2	3	5	6	7	1a incl. SW	1b excl. SW	
Original SDS Design:											
1	Draft, to be issued for construction										
2	Issued for External Approval (IFEA), to be IFC	-			129						129
3	Issued for Construction (IFC)				261						261
4	Partially agreed for Construction (PAFC)										
5	Agreed for Construction (AFC)										
6	For As-Built Info Incorporation										
7	As Built										
8	Hand over										
9	Withdrawn										
10	Not to be IFC				155						155
11	IFEA, but not to be IFC				41						41
New Design for Change Order:											
21	Draft, to be issued for construction	6							9		9
22	Issued for External Approval (IFEA), to be IFC	21	177	24		97	1	36	356		356
23	Issued for Construction (IFC)	96	563	118		803	297	185	2,062		2,062
25	Agreed for Construction (AFC)										
26	For As-Built Info Incorporation										
27	As-Built										
28	Hand over										
30	Not to be IFC										
31	IFEA, but not to be IFC										
Existing Design subjected to revisions for Change Order: (It is assumed that drawings issued after 1/7/09 have Change Orders incorporated.)											
41	Draft, to be rev. for CO										
42	IFEA, to be rev. for CO										
43	IFC, to be rev. for CO										
44	Draft, revised for COs										
45	IFEA, revised for COs										
46	IFC, revised for COs										
50	Draft, withdrawn for CO										
51	IFEA, withdrawn for CO										
52	IFC, withdrawn for CO										
Total (1~3+5-52)		123	740	142	586	900	298	224	2,427	586	3,013
Original SDS Design:											
Issued for Construction (3+5-8+43+46)					261					261	261
Total Issue for Construction (1~3+5-8+41~46)					390					390	390
Percentage of Completion IFC					66.92%					66.92%	66.92%
SDS Design Incl. Change Orders:											
IFC incl. new Issues for CO (3+5-8+23~28+43+46)		96	563	118	261	803	297	185	2,062	261	2,323
Total IFC incl. new Issues for CO (1~3+5-8+21~28+41~46)		123	740	142	390	900	298	224	2,427	390	2,817
Percentage of Completion IFC		78.0%	76.1%	83.1%	66.9%	89.2%	99.7%	82.6%	85.0%	66.9%	82.5%
Percentage of Completion under consideration of IDR		93.4%	97.6%	98.3%	96.7%	98.9%	100.0%	97.1%	98.2%	96.7%	98.0%