

EDINBURGH TRAM NETWORK

Monthly Project Report April 2012



Monthly Report Major Projects

Project: Edinburgh Tram Network

Reporting Period: April 2012

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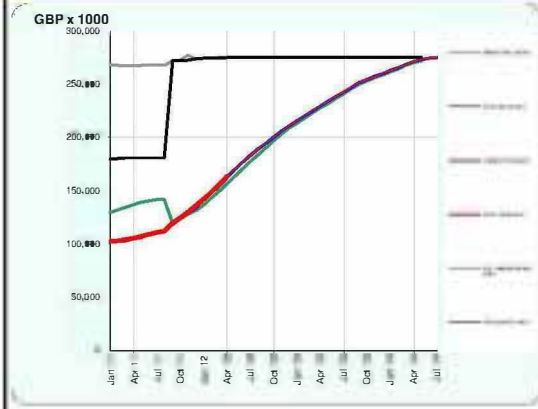
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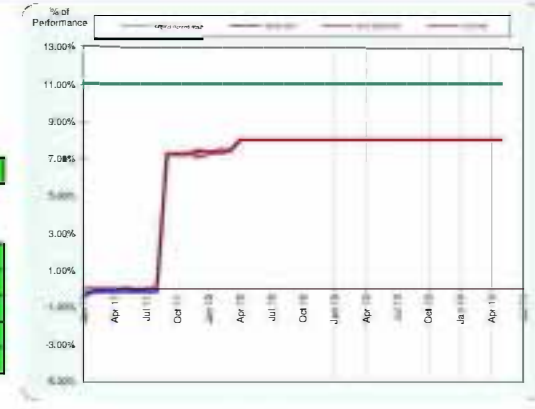
1.01 Project Overview Charts



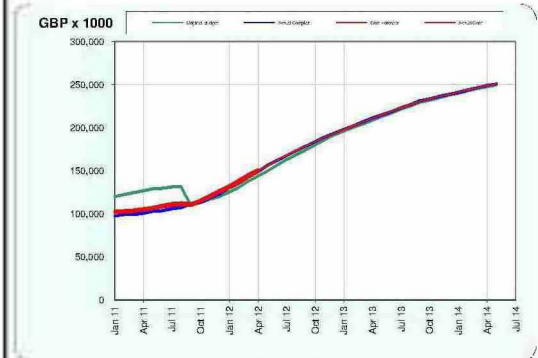
Performance

	Original Contract (Rev1)	Settlement Agreement (Rev1)	Planned (Rev1)	Actual	Status Figures	
Construction start date			15-May-08			
Construction end date	16-Jul-11	08-Jul-14	08-Jul-14	08-Jul-14	0.0 month	green
Total contract value [GBPx1000]	141,509	271,542		274,387		
Claims / Variations approved				2,844		
Claims / Variations not approved				14		
Performance		156,492	162,390	163,388	100.6%	green
Actual Cost to Date				150,305	100.0%	green
Result	11.07%	7.23%	8.02%	8.01%	0.8%	green
Payment Status		156,492	176,754	176,754	100.0%	green
Av.Per/mth: Rem. & act. 3mth			3,469	7,194		green

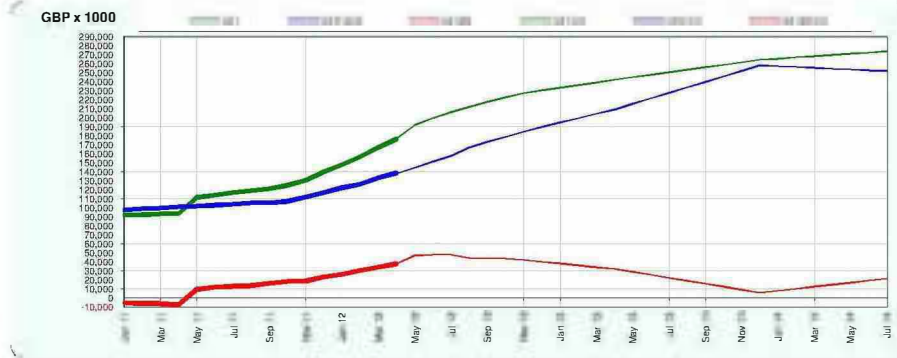
Project Key Figures



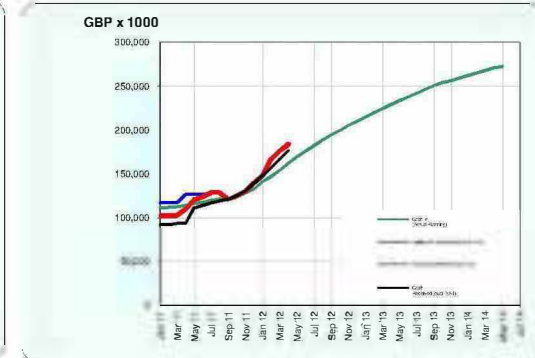
Project Result



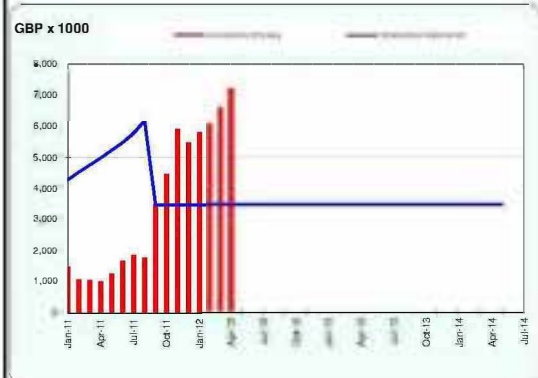
Project Cost



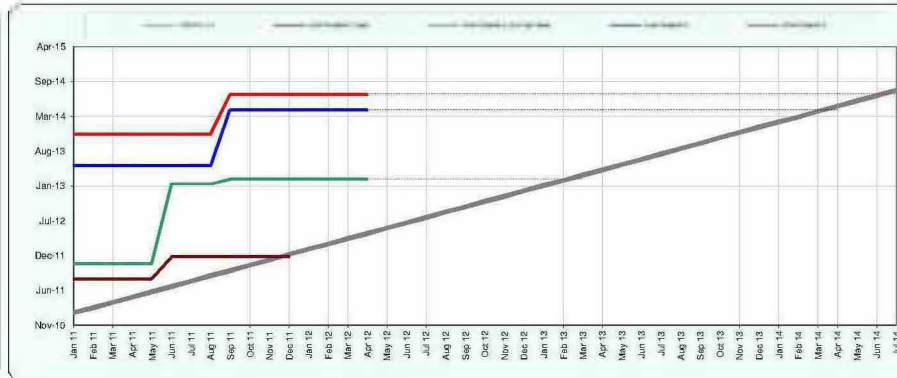
Cashflow



Payment Status



Remaining Performance / Resources



Milestone Trend Analysis (Forecast Rev4)



Contingencies vs Risks

1.02 Short note on Overview Charts

1.2.1 Performance

During February works were performed in accordance with the agreed Programme Rev4.

Actual performance:	£7,646,215
Planned performance:	<u>£6,647,795</u>
Variance:	£998,420

1.2.2 Project Cost

The Project Costs reflecting the new contractual arrangements in accordance with the Settlement Agreement signed on 15/09/2011. 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

The monthly cumulative result adds up to	£13,083,588	or	8.01%
The forecast/planned result shows	£22,005,012	or	8.02%
in the R&O Sheet the project will result in a weighted margin of	£25,928,030	or	9.45%

1.2.4 Payment Status

The payments from the client CEC remain in the timeschedule as agreed after Mediation.

Invoiced net to the client:	£184,162,077
Paid net from the client:	<u>£176,753,988</u>
Variance	£7,408,089 to be paid on 02th of May 2012.

1.2.5 Cashflow

The ETN project cash flow increased further positive.

As part of the settlement agreement a revised milestone payment schedule has been agreed, securing payments in timely manner for a positive cash forecast.

Cash in net:	£177,622,401.99	(incl. interest income)
Cash out net:	£139,177,071.75	
Cash balance net:	£38,445,330.24	

1.2.6 Contingencies

The value for the remaining estimated contingencies has been adjusted due to reduced risks to:

£3,854,780.00 (see attachment 3.01)

1.2.7 Construction Programme

A new contractual Programme (Rev 4) has been agreed by signing the Settlement Agreement on 15th September 2011.

New contractual milestones have been defined as follows:
 Sectional A Completion Date by 16th December 2011 - Achieved
 Sectional B Completion Date by 08th March 2013
 Sectional C Completion Date by 09th April 2014
 Sectional D Completion Date by 08th July 2014

1.03 General Information

1.3.1 Short note on progress, events this month

Mobilisation :

Design:

Further instructions to perform additional conceptual design options and design changes were received which are scheduled to be completed by summer 2012.

Procurement :

All new subcontract arrangements are finally negotiated.

Construction :

During April works were performed in accordance with the agreed Programme Rev4.

Contract :

Settlement Agreement signed on 15th September 2011 which defines new contractual arrangements for the Off Street Works and On Street Works up to York Place (retrunked line) with a revised Contact Amount of £ 271.542.291.

The Settlement Agreement is based on Programme Rev. 4 (approved) and the commercial implications of this change (Rev. 3A to Rev. 4) have been regulated by a Change Order.

In April 8 new/revised Change Orders and further On-Street works certified increased the Variation Order value in an amount of £ 243,949 up to £ 2,844,375 in total.

1.3.2 Significant extraordinary events

Date	Description	Remarks

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

Date	Description	Remarks

1.3.4 Status on Major Unapproved Claims / Variations / Changes

Several changes have been notified (see list Unapproved Changes).

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	274,387	274,387	274,387	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-252,382	-252,382	-252,382
2	Unapproved, but in Job Site Estimate Integrated Changes	0	0	0	2	Unapproved, but in Job Site Estimate Integrated Changes	0	0	0
3	Total unapproved Changes	0	0	0	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	Risks not included in JSE	0	0	0	£ 4	Risks not included in JSE	0	0	0
5.1					5.1	Saving on Contingencies	3,855	2,604	0
5.2					5.2	Savings on Uninsured Economic Losses	1,980	1,000	0
5.3					5.3	Interest Income	609	319	0
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	Chances	0	0	0	£ 5	Chances	6,444	3,923	0
6 =1+3+4+5	Forecast Final Revenue	274,387	274,387	274,387	6 =1+3+4+5	Forecast Final Costs	-245,938	-248,459	-252,382

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue Costs Result	274,387 -245,938 28,449		
% Gross Margin based on Revenue Best Case	Revenue: 274,387	10.37%		
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue Costs Result		274,387 -248,459 25,928	
% Gross Margin based on Revenue Likely Case	Revenue: 274,387		9.45%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue Costs Result			274,387 -252,382 22,005
% Gross Margin based on Revenue Worst Case	Revenue: 274,387			8.02%
Gross Margin previous month (most likely case)		10.19%	9.32%	7.41%

Project: **Edinburgh Tram Network**
as per: **30/04/2012**



2.01 Cost Reconciliation Sheet

see following pages

Project: GB-2006-1001AK46 Edinburgh Tram Network 2012-04
Reporting Month: 48. Report Period, 30/04/2012

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 5=3+4	Actual Allowable incl. agreed VO's 6	Allowable for unapproved VO's 7	Variance to Date 8=(6+7)-5	Revised DJC IQxDJC-Rate 9	Variance to Date 10 = 9 - 5	Actual Cost with Accruals 11	Actual Allowable 12	Variance 13=12-11	Budget Original WQty. 14	Budget Orig. Contr. with AQQty. 15	Budget Agreed VO's AQQty. 1	Budget unappr. VO's AQQty. 17	Budget Total AQQty. 18=15+16+17	Revised DJCt AQQty. 19	% Complete 20=9/19	Cost to Complete (AQ-IQ) 21=19-9	Forecast Final Cost 22=5+21	Forecast Final Variance 23=18-22	Projected Variance (linear) 24=8/20
Evaluation with Activity Model: Rev.7_20120331																							
25.1.201.12	SECTION 1C	343,747	165,289	509,036	480,198	0	-28,838	480,198	-28,838	218,112	-218,112	9,613,037	9,613,037	66,909	0	9,679,946	9,679,946	4.96%	9,199,748	9,708,784	-28,838	-28,838	
25.1.201.13	Princes Street (outstanding ...)	740,095	304,910	1,045,005	1,016,526	0	-28,479	1,016,526	-28,479	92,438	-92,438	1,160,259	1,160,259	347,501	0	1,507,761	1,507,761	67.42%	491,235	1,536,240	-28,479	-42,241	
25.1.201.14	SECTION 1D	2,008,875	-263,632	1,745,243	1,682,772	0	-62,471	1,682,772	-62,471	262,095	-262,095	10,022,227	10,022,227	512,949	0	10,535,176	10,535,176	15.97%	8,852,404	10,597,64	-62,471	-391,177	
25.1.201.15	SECTION 1CD - SITE WIDE	1,336,275	850,076	2,186,351	2,162,541	0	-33,810	2,162,541	-33,810	308,572	-308,572	5,916,403	5,916,403	149,751	0	6,066,154	6,066,154	35.48%	3,913,61	6,099,964	-33,810	-95,293	
1.1	CONSTRUCTION ON-STREET rev ...	4,428,992	1,056,643	5,485,635	5,332,037	0	-153,598	5,332,037	-153,598	881,217	-881,217	26,711,926	26,711,926	1,077,111	0	27,789,037	27,789,037	19.19%	22,457,000	27,942,635	-153,598	-557,550	
25.1.201.31	Section 1A	3,371,353	0	3,371,353	3,371,353	0	0	3,371,353	0	0	0	5,592,262	5,592,262	-2,220,909	0	3,371,353	3,371,353	100.00%	0	3,371,353	0	0	
25.1.201.40	Section 1 B	566,937	0	566,937	588,685	0	21,748	588,685	21,748	0	0	588,685	588,685	0	0	588,685	588,685	100.00%	0	566,937	21,748	21,748	
25.1.201.45	Section 1CD	3,035,541	112,321	3,147,862	3,102,276	0	-45,586	3,102,276	-45,586	27,199	-27,199	3,810,714	3,810,714	0	0	3,810,714	3,810,714	81.41%	708,438	3,856,300	-45,586	-55,996	
25.1.201.96	PSSA - PRINCES STREET SUPPLE...	12,083,223	0	12,083,223	12,083,225	0	2	12,083,223	0	0	0	12,083,225	12,083,225	0	0	12,083,225	12,083,225	100.00%	0	12,083,223	2	2	
1.2	CONSTRUCTION ON-STREET origl...	19,057,054	112,321	19,169,375	19,145,539	0	-23,836	19,145,537	-23,838	27,199	-27,199	22,074,886	22,074,886	-2,220,909	0	19,853,977	19,853,975	96.43%	708,438	19,877,813	-23,836	-34,246	
25.1.201.54	SECTION 5ABC- Trackworks	6,107,807	1,191,988	7,299,795	7,235,221	0	-64,574	7,235,221	-64,574	613,286	-613,286	17,985,633	17,985,633	-152,856	0	17,832,777	17,832,777	40.57%	10,597,556	17,897,351	-64,574	-159,167	
25.1.201.58	SECTION 5ABC- Structures	27,159,057	189,550	27,348,607	27,348,260	0	-347	27,348,260	-347	1,287,830	-1,287,830	40,422,415	40,422,415	116,945	0	40,539,360	40,539,360	67.46%	13,191,100	40,539,707	-347	-514	
25.1.201.61	SECTION 2	11,824,712	2,776,484	14,601,196	14,629,611	0	28,415	14,629,611	28,415	1,376,329	1,376,329	25,898,810	25,898,810	-113,204	0	25,785,606	25,785,606	56.74%	11,165,995	25,757,191	28,415	50,079	
25.1.201.62	SECTION 7	10,651,216	2,622,715	13,273,931	13,295,744	0	21,813	13,295,744	21,813	1,078,991	-1,078,991	16,955,851	16,955,851	442,636	0	17,398,487	17,184,851	77.37%	3,889,10	17,163,038	235,449	28,193	
25.1.201.63	SECTION 6	17,151,441	566,498	17,717,939	17,659,479	0	-58,460	17,659,479	-58,460	33,041	-33,041	17,539,988	17,539,988	119,491	0	17,659,479	17,659,479	100.00%	0	17,717,939	-58,460	-58,460	
1.3	CONSTRUCTION OFF-STREET	72,894,233	7,347,235	80,241,468	80,168,315	0	-73,153	80,168,315	-73,153	4,389,477	-4,389,477	118,802,697	118,802,697	413,011	0	119,215,709	119,002,073	67.37%	38,833,758	119,075,226	140,483	-139,869	
25.1.201.21	TTM	3,073,339	152,100	3,225,439	3,241,637	0	16,198	3,241,637	16,198	2,449	-2,449	4,258,521	4,258,521	40,000	0	4,298,521	4,298,521	75.41%	1,056,884	4,282,323	16,198	21,480	
25.1.201.25	Advanced Maintenance	214	500	714	1,000	0	286	1,000	286	-323	0	323	0	0	100,000	100,000	100.00%	99,000	99,714	286	286		
1.4	SECTION/VIDE	3,073,553	152,600	3,226,153	3,242,637	0	16,484	3,242,637	16,484	2,126	-2,126	4,258,521	4,258,521	140,000	0	4,398,521	4,398,521	73.72%	1,155,884	4,382,037	16,484	21,766	
	DIRECT JOB COSTS	99,453,832	8,668,799	108,122,631	107,888,528	0	-234,103	107,888,528	-234,103	5,300,019	-5,300,019	171,848,030	171,848,030	-590,786	0	171,257,244	171,043,606	63.08%	63,155,080	171,277,711	-20,467	-709,898	
25.1.201.42	HAYMARKET OFFICE	479,720	-24,789	454,931	495,469	0	40,538	495,469	40,538	8,539	-8,539	1,030,622	1,030,622	30,121	0	1,060,744	1,060,744	46.71%	565,275	1,020,206	40,538	86,787	
25.1.201.53	EDINBURGH PARK STORAGE	1,366,927	7,281	1,374,208	1,409,738	0	35,529	1,409,738	35,529	10,078	-10,078	1,716,758	1,716,758	0	0	1,716,758	1,716,758	82.12%	307,020	1,681,229	35,529	43,265	
25.1.201.64	CONSORTIUM OFFICE	3,633,808	21,032	3,654,840	3,680,944	0	26,104	3,680,944	26,104	52,954	-52,954	6,304,886	6,304,886	642,981	0	6,947,867	6,907,532	53.29%	3,226,588	6,881,428	66,439	48,985	
25.1.201.65	STAFF	20,029,662	45,144	20,074,806	20,078,997	0	4,191	20,078,997	4,191	431,275	-431,275	33,262,345	33,262,345	965,064	0	34,227,409	34,014,620	59.03%	13,935,621	34,010,429	216,980	7,100	
25.1.201.66	DESIGN	11,017,870	405,772	11,423,642	11,429,383	0	5,741	11,429,383	-449	155,770	-155,770	14,780,459	14,780,459	898,432	0	15,678,891	15,672,774	72.89%	4,249,581	15,673,223	5,668	7,676	
25.1.201.67	FINANCE	541,808	150,444	692,252	731,053	0	38,801	731,053	38,801	41,014	-41,014	10,683,311	10,683,311	188,540	0	10,871,851	10,694,581	6.84%	9,963,528	10,655,780	216,071	38,801	
25.1.201.68	ORIGINAL TENDER	543,775	0	543,775	543,775	0	0	543,775	0	0	0	543,775	543,775	0	0	543,775	543,775	100.00%	0	543,775	0	0	
25.1.201.71	CONSULTANTS	3,890,422	73,058	3,963,480	4,031,742	0	68,262	4,031,742	68,262	57,091	-57,091	6,699,594	6,699,594	215,747	0	6,915,341	6,872,482	58.87%	2,840,740	6,804,220	111,121	116,349	
	INDIRECT JOB COST	41,503,992	677,943	42,181,935	42,401,101	0	219,166	42,394,911	212,976	756,721	-756,721	75,021,750	75,021,750	2,940,886	0	77,962,636	77,483,266	54.71%	35,088,355	77,270,290	692,346	349,162	
25.1.201.72	RISKS & OPPORTUNITIES	0	0	0	0	0	0	0	0	0	0	5,040,000	5,040,000	0	0	5,040,000	3,854,780	0.00%	3,854,780	3,854,780	1,185,220	0	
	CONTINGENCIES	0	0	0	0	0	0	0	0	0	0	5,040,000	5,040,000	0	0	5,040,000	3,854,780	0.00%	3,854,780	3,854,780	1,185,220	0	
Total		140,957,824	9,346,742	150,304,566	150,289,629	0	-14,933	150,283,437	-21,129	6,056,748	-6,056,748	251,909,780	251,909,780	2,350,100	0	254,259,880	252,381,652	59.55%	102,098,215	252,402,781	1,857,099	-360,736	

without Allocation

Project: GB-2006-1001AK46 Edinburgh Tram Network 2012-04
Reporting Month: 48. Report Period, 30/04/2012

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	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 (AQ-IC)	Forecast Final Cost	Forecast Final Variance	Projected Variance (linear)	
				5=3+4	6	7	8=(6+7)-5	9	10=9-5	11	12	13=12-11	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		140,957,824	9,346,741	150,304,565	150,289,629		-14,936	150,283,437	-21,128	6,056,74		-6,056,742	251,909,781	251,909,781	2,350,10		254,259,883	252,381,654	59.5 %	102,098,217	252,402,78	1,857,101	-25,103	
Prime Cost Sums 0 / 0																								
Total Cost without Prime Cost Sums		140,957,824	9,346,741	150,304,565	150,289,629		-14,93	150,283,43	-21,128				251,909,781	251,909,781	2,350,10		254,259,883	252,381,654		102,098,217	252,402,78			

REMEASURED CONTRACT:

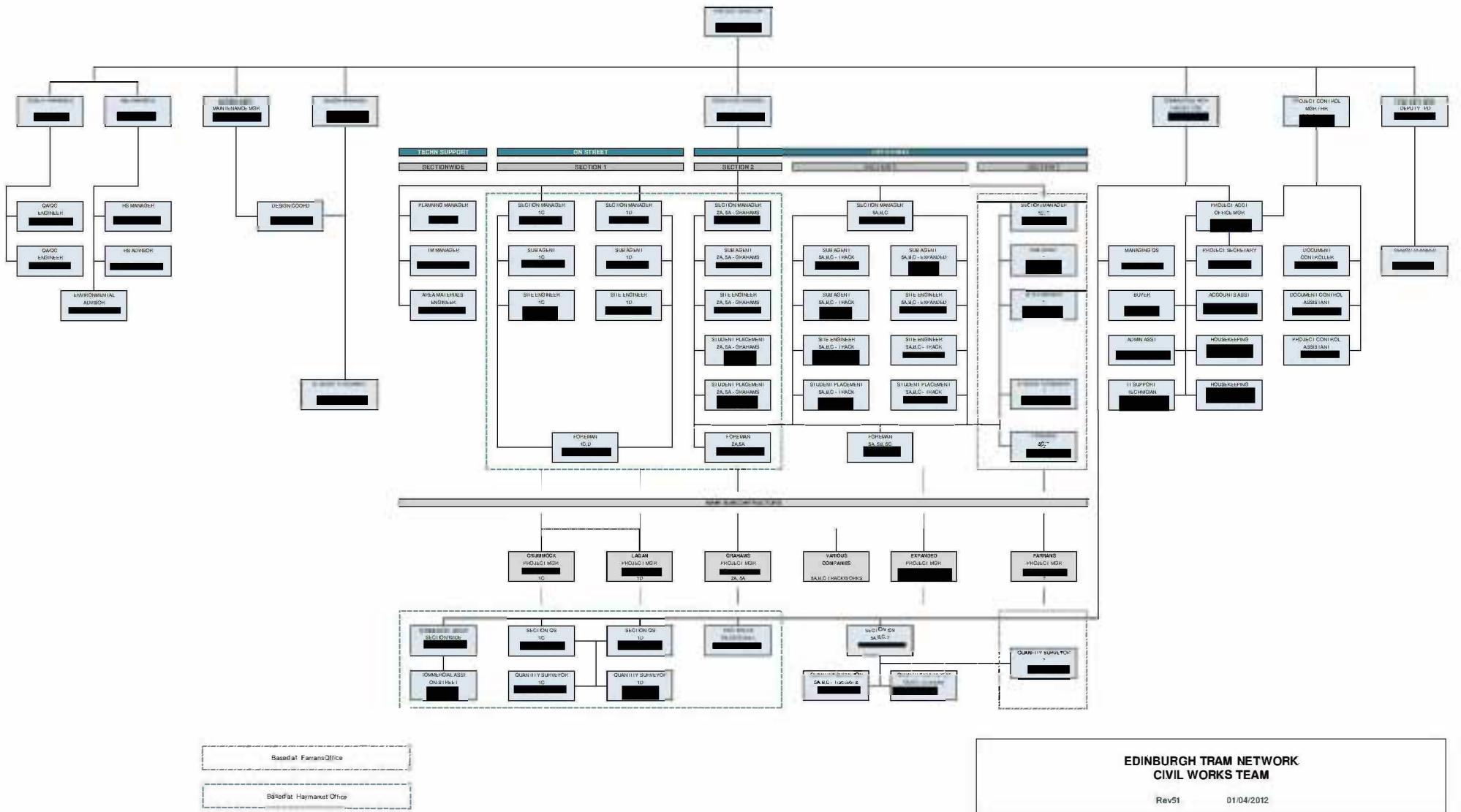
Gross Margin original Contract and agreed VO's (PF = 1.0872, PFB = 1.0792)

Total Cost without Prime Cost Sums		150,304,565	150,289,629		150,283,43					251,909,781	251,909,781	2,350,10		254,259,883	252,381,654					252,402,782		
Gross Margin			11,902,939		13,104,716					19,632,510	19,632,510	494,273.00		20,126,783	22,005,012					21,983,884		
Gross Margin in % of Performance			7.34 %		8.02 %					7.23 %	7.23 %	17.38 %		7.34 %	8.02 %					8.01 %		
Performance without Prime Cost Sums			162,192,568		163,388,15					271,542,291	271,542,291	2,844,375		274,386,666	274,386,666					274,386,66		
Actual Cost to date			150,304,565		150,304,565																	
Gross Margin to date			11,888,003		13,083,588																	
Gross Margin to date in % of Performance			7.33 %		8.01 %																	
Performance Prime Cost Sums																						
Total Performance			162,192,568		163,388,153					271,542,291	271,542,291	2,844,375		274,386,666	274,386,666					274,386,666		
Revenue according WBS																						

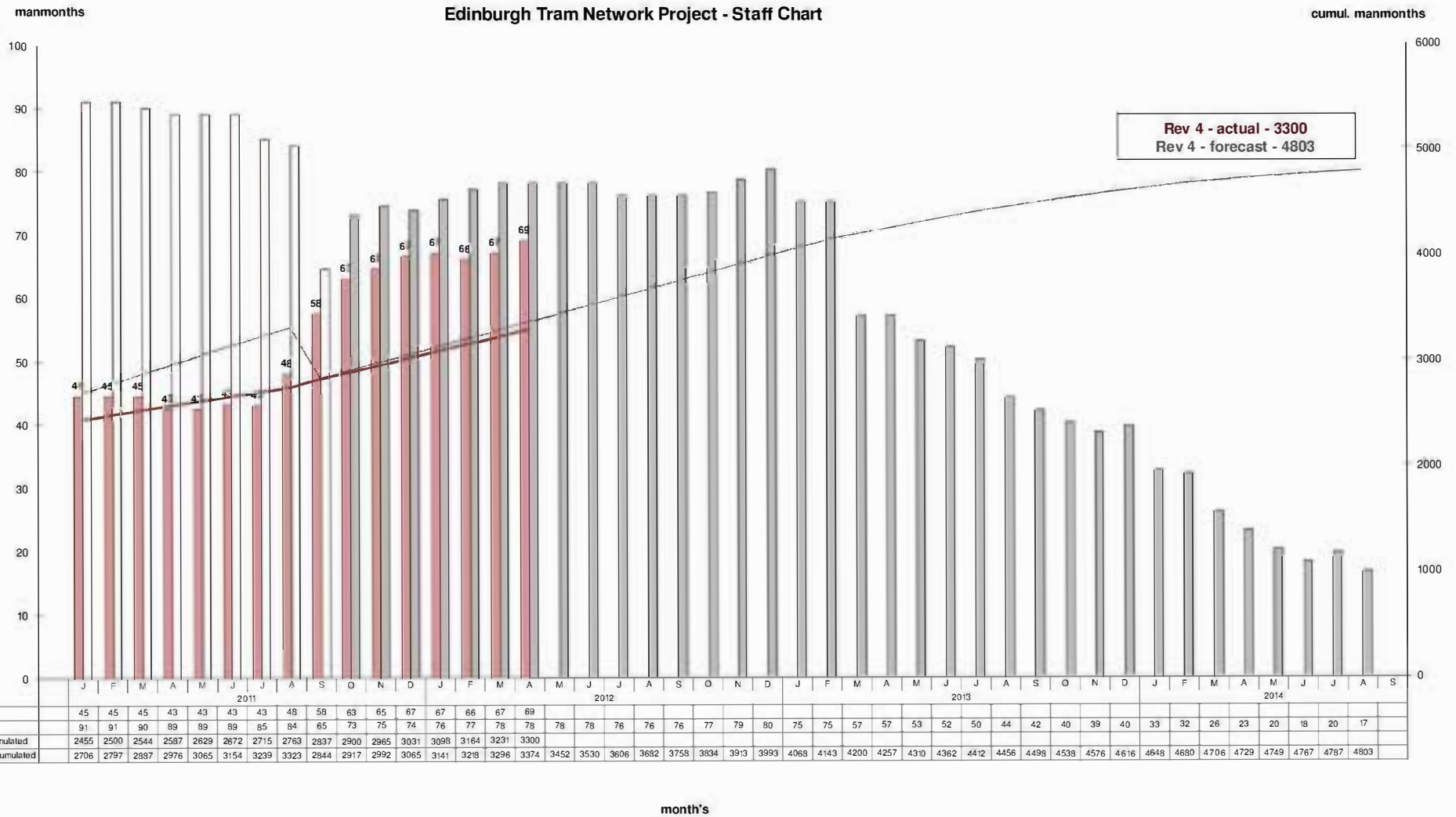
Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0872, PFB = 1.0792)

Total Cost without Prime Cost Sums			150,289,629		150,283,43					251,909,781	251,909,781	2,350,10		254,259,883	252,381,654					252,402,782		
Gross Margin			11,902,939		13,104,716					19,632,510	19,632,510	494,273.00		20,126,783	22,005,012					21,983,884		
Gross Margin in % of Performance			7.34 %		8.02 %					7.23 %	7.23 %	17.38 %		7.34 %	8.02 %					8.01 %		
valued Performance without Prime Cost Sums			162,192,568		163,388,153					271,542,291	271,542,291	2,844,375		274,386,666	274,386,666					274,386,666		
Actual Cost to date			150,304,565		150,304,56																	
Gross Margin to date			11,888,003.00		13,083,588																	
Gross Margin to date in % of Performance			7.33 %		8.01 %																	
Performance Prime Cost Sums (incl. valued performance)																						
Total Performance (incl. valued performance)			162,192,568		163,388,153					271,542,291	271,542,291	2,844,375		274,386,666	274,386,666					274,386,666		
Revenue according WBS (VO's valued)																						
Revenue according WBS (VO's valued by 100%)																						

2.05 Organisation Chart



2.06 Staff Chart



2.08a Approved Change Orders

PRC	RUC	ECO	EOT	Design	CST	DRAIN	SUDS	Section / Activity	Description	Date Issued	Job Estimate Budgets						Remarks			
											Revenue	EST	Design	Construction	20%	Margin		Margin in %		
1	501	502						1A	66	Additional Cycle Path at Lindsay Road - Hawthornvale	26/10/2011	20,021.00		14,841.00		3,359.91	1,820.09	9.09%		
2	506	503						1C	66	Princes St - new cycle way from The Mound into Princes Street	26/10/2011	9,437.00		6,996.00		1,583.09	857.91	9.09%		
3	507	504A						1C	66	St Andrew Square Public Realm Design finalisation (will follow on from item 15 above)	15/12/2011	133,078.45		98,648.00		22,332.41	12,098.04	9.09%		
12	512	505A						1A	66	Incorporate AECOM design for Ocean Terminal Bypass Road	28/02/2012	53,685.15		39,796.26		9,008.43	4,880.47	9.09%		
4	504	506						1C	66	Inclusion of Blenheim Place redesign (for TRD) within Picardy Place redesign - instruction	26/10/2011	46,247.00		34,263.00		7,759.73	4,204.27	9.09%		
13	508	507						7A	66	New Road Safety Audit to achieve BAAEAL approval	26/10/2011	10,025.00		7,432.00		1,681.64	911.36	9.09%		
5	502	508						1A	66	New Footpath at ocean Drive	26/10/2011	10,231.00		7,584.00		1,716.91	930.09	9.09%		
42	540	509A						54.66	66	Amendment to landscaping scope at plot 304 section 7	01/02/2012	201,120.00		3,768.00	152,855.97	33,748.39	18,283.64	9.09%		
38	549	510						1D	14	Move 3 No OLE's (St John's Church) to central reserve (SV200G)	22/11/2011	TBC								
10	511	511						5C	66.83	Allow for storm water connection from Gogar Lodge to landowners new septic tank. CVI Ref BARR6/015	22/11/2011	5,750.46		3,440.00	849.40	938.29	522.77	9.09%		
31	544	512						OH	64	Extension to Edinburgh Park Office to accommodate CEC/Transport Scotland	22/11/2011	159,900.00			139,043.40		6,320.24	14,636.36	9.09%	
5	505	513						1C	66.12	Incorporating New run time model based on York Place Terminal Agreement	29/11/2011	226,652.80		169,498.00		38,366.18	20,766.62	9.09%		
39	550	514						OH	66	Move OLE's in Shandwick Place and amend Landscaping	19/12/2011	TBC								
6	503	515						5C	63	OLE temporary portals at Depot Access Bridge to allow finalisation without Edinburgh Gateway	01/12/2011	16,980.40			12,567.00	2,849.73	1,543.67	9.09%		
48	553	516A						OH	66	SDS to provide services of Matt Fall	03/02/2012	69,130.85		51,246.00		11,600.23	6,284.62	9.09%		
27	526	518						63	66	Tram Delivery Temporary Works	12/12/2011	6,878.44			5,331.65	921.48	625.31	9.09%		
9	509	519						OH	66	Cathedral Lane Substation - change to Henderson Global Design	15/12/2011	233,595.67		173,162.10		39,197.60	21,235.97	9.09%		
45	555,557,562	521D,523,539						OH	66	Siemens OLE design update	05/04/2012	74,451.69		55,190.28		12,493.07	6,768.34	9.09%		
51	558	522A						OH	65	Provision of CAD Technician	03/02/2012	1,693.00			1,255.00	284.09	163.91	9.09%		
22	529	524A						OH	66	Redesign Gogar Castle Access Road	17/01/2012	31,308.00		23,208.30		5,253.52	2,846.18	9.09%		
23	530	525						OH	66	Depot Access Road Turning Head	16/12/2011	30,458.40		22,578.50		5,110.95	2,768.95	9.09%		
15	513	526A						SWON	66	Utility Conflict verification - design changes	20/02/2012	156,870.49		116,286.50		26,323.04	14,260.95	9.09%		
59	561	528						1A	31	Value Engineering Forth Port Section 1A	21/12/2011	2,443,000.00			2,220,909.09		222,090.91		9.09%	
20	539	529						SW	SW	Programme Rev 3A/4	21/12/2011	2,851,900.00	2,356,942.15				494,957.85	17.36%		
55	564	531						SWON	15	Worksite Modelling for TM at Waverley Court	21/12/2011	TBC								
14	531	532						OH	58	Advanced design Edinburgh Gateway	21/12/2012	9,349.00			6,930.32	1,568.77	849.91	9.09%		
54	565	533D						OH	66	Advanced design Edinburgh Gateway Minimum Option	19/01/2012	6,000.00		4,447.74		1,006.61	545.45	9.09%		
56	563	534						OH	66	On-Street design of circular pile caps	09/01/2012	TBC								
46	566	535						OH	66	On-Street design changes due to utilities conflicts	12/01/2012	TBC								
50	567	536						OH	66	On-Street drainage design changes due to utilities conflicts	12/01/2012	TBC								
47	568	537A						OH	66	On-Street Design Changes due to trackform conflicts	18/04/12	1,618.13		1,199.50		271.52	147.10	9.09%		
57	569	538						OH	64	Running costs with the CEC office extension at Edinburgh Park	12/01/2012	79,220.00			68,866.96	3,131.23	7,201.89	9.09%		
18	517	539						63	66	Additional BT Ducts at Depot and Mini Test track	16/01/2012	2,996.00			2,220.90	502.73	272.36	9.09%		
62	572	540						OH	66	Cathedral Lane Substation Design	18/01/2012	31,012.97		22,989.60		5,204.01	2,819.36	9.09%		
63	574	542						2A	61	Haymarket Viaduct delete parts of cladding	19/01/2012	TBC								
26	576	543						5C	63	Reinstatement 250mm Watermain	26/04/2012	36,787.81			27,270.43	6,173.03	3,344.35	9.09%		

2.08a Approved Change Orders

PNC	INC	ECO	EOT	Design	COT	DAYS	SUSP	Section / Activity	Description	Date Issued	Job Estimate Budgets						Remarks							
											Revenue	EST	Design	Construction	OT	Margin		Margin in %						
65	577	544						2A	61	Omit construction of Haymarket Substation retaining wall and plinth	28/01/2012	TBC												
53	559	545						OH	66	Detailed Design of York Place Terminal	03/02/2012	56,438.11		41,837.00		9,470.37	5,130.74	9.09%						
66	578	546						SW ON	15	Remove site investigation allowance	03/02/2012	57,984.00			52,712.73		5,271.27	9.09%						
81	582	549						5A	61	Deleted Roseburn Viaduct Trespa cladding	09/02/2012	308,004.00			290,003.64		28,000.36	9.09%						
78	588	551						1D	21	Return of parking spaces Stafford Street	20/02/2012													
	589	552							62	Deletion of airport/fork	29/02/2012	150,000.00			136,363.64		13,636.36	9.09%						
	520	553							63	Valve chamber access and alterations to 600mm water main at depot	28/02/2012	96,091.29			71,231.50		16,124.22	8,735.57	9.09%					
16	514	594						SW ON	15	Utility mapping	29/02/2012	92,756.07			68,759.13		15,564.57	8,432.37	9.09%					
71	587	555						SW ON	66	Revised Sett Locations and new Sett Specification	13/03/2012	TBA												
70	588	557						1C	66	Amended Design on St. Andrew Square	23/03/2012	TBA												
84	593	558						SW ON	66	Cessation of Design North of York Place (SV-208F)	01/03/2012	TBA												
14	531,594A	559						5C	54	Edinburgh Gateway advanced enabling works	18/03/2012	TBA												
89	601	590						5C	54,66	Shelters at Gogarburn Tramstop to be 8m length	15/03/2012	TBA												
86	591	563						2A	61	Diversion of Scottish Power Cable	02/04/2012	2,428.20			1,800.00		407.45	220.75	9.09%					
17	516	565							58	Additional watermain requirement at Depot and Mini test track	26/04/2012	51,281.72			38,014.62		8,605.13	4,661.97	9.09%					
15	513	ICTCO						SW ON	14	Utility Conflict verification - construction works	30/04/2011	17,210.11			12,757.68		2,867.67	1,564.56	9.09%					
25	543	ICTCO						1D	14	Utilities affecting the construction of OHLE foundations in Haymarket 'H1'	30/04/2011	283,650.57			210,267.26		47,596.67	25,786.42	9.09%					
28	521	ICTCO						1D	14	Provide temporary accommodation and Welfare facilities	30/04/2011	1,542.96			1,143.76		258.91	140.27	9.09%					
35	547	ICTCO						1D	14	Haymarket H1: Third Party affecting our ability to progress the works	30/04/2011	3,787.21			2,807.42		635.50	344.29	9.09%					
36	548	ICTCO						1D	14	Haymarket H1: BT Fibre Optic Service required Diverted	30/04/2011	83,052.94			61,566.30		13,936.37	7,550.27	9.09%					
37	528	ICTCO						1D	14	Haymarket 1 - Site Trench Excavation to Validate Utilities	30/04/2011	6,565.45			4,866.90		1,101.69	596.86	9.09%					
38	549	ICTCO						1CD	13	Move 3 No OLE's (St John's Church) to central reserve (SV200G)	30/04/2011	12,284.28			9,106.21		2,061.31	1,116.75	9.09%					
40	535	ICTCO						1CD	13	Princes St Outstanding Works: Scottish Water Diversion at Junction of Princes Street and South St David St. Previously TNC 533	30/04/2011	262,965.50			187,535.56		42,451.24	22,898.66	9.09%					
43	551	ICTCO						1CD	13	Temporary reinstatement of track anfalls to allow Opening of Princes Street for Winter Festivals	30/04/2011	203,510.77			150,860.47		34,149.32	18,500.98	9.09%					
52		ICTCO						SW ON	15	Early implementation of TM Phase 4&5	30/04/2011	137,199.84			101,704.85		23,022.28	12,472.71	9.09%					
68		ICTCO						1CD	14	Utilities affecting ability to place system drainage	30/04/2011	12,626.27			9,959.73		2,118.70	1,147.84	9.09%					
69		ICTCO						1CD	14	Geotextile liner to Clifton Terrace Void	30/04/2011	1,760.16			1,304.79		295.36	160.01	9.09%					
72		ICTCO						1D	14	Utilities affecting construction of OHLE foundations at Shandwick Place	30/04/2011	276,543.95			206,481.80		46,739.97	25,322.18	9.09%					
79		ICTCO						1C	12	Third parties affecting ability to progress works	30/04/2011	24,259.80			17,983.54		4,070.82	2,205.44	9.09%					
87		ICTCO						1C	12	Utilities affecting construction of OHLE foundations at St Andrew Square	30/04/2011	66,000.76			48,925.69		11,075.00	6,000.07	9.09%					
99		ICTCO						1D	14	Utilities affecting the ability to progress track excavation Shandwick S1	30/04/2011	1,532.67			1,136.15		257.18	139.33	9.09%					
100		ICTCO						1D	14	Utilities affecting the ability to progress track excavation Shandwick S2	30/04/2011	1,695.98			1,257.21		284.59	154.18	9.09%					
68	60	51		28	25		17			TOTALS		2,844,375.30		2,356,942.15		898,431.78		1,389,599.37		464,326.95		494,273.79	17.38%	
												2,350,101.51												

Project: **Edinburgh Tram Network**
 as per: **30/04/2012**

2.08b Unapproved Changes

PMC	TNC	TCO	EOT only	SDS only	Section	Description	Notified	Assessment			Status on unapproved changes		Remarks
								Maximum	assessed	Minimum	Submitted	to be submitted	
19	524				7A	NIL Future Proofing Works - amendments to suit revised NIL requirements	07/09/2011						
41	534	556			SW	Scottish Power "insurance Ducts" at various locations	31/10/2011	6,493	6,493	6,493	6,493	+	
60	575				2A	Impact to Tram project due to Network Rail's Haymarket Station Development (SV-021 I)	19/01/2012	123,431	80,230	55,544	123,431		
61	573 A				2A	Redesign of Rosabum Delta to minimise works in Section 3A	19/01/2012						
64	571				1D	Reinstatement of Hope Street (MUDFA Legacy)	19/01/2012						
91	609				1A	On going Traffic Management responsibilities at Tower Place Bridge and Lindsay Road Retaining Wall	29/03/2012	14,967	9,728	6,735	14,967	+	
92	595, 615, 616				2A	Deletion of Crew Relief Facility at Haymarket Tramstop	02/04/2012	130,813	85,028	58,866	130,813	+	
94	607				SW ON	Delete Requirements at all Tramstops for 110v socket for cleaning purposes (On Street)	02/04/2012						
95	608				SW OFF	Delete Requirements at all Tramstops for 110v socket for cleaning purposes (Off Street)	02/04/2012						
105	617				SW	Tram Stops, Branding Changes	26/04/2012						
10	13	1 *)				TOTALS		14,078	11,423	9,906	14,070		

*) received 1 May

submitted	to be submitted
maximum potential of changes	
14,078	

Project: **Edinburgh Tram Network**
 as per: **30/04/2012**



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				
33	MONTH	1,573,155	1,456,051	1,790,807	334,755	0	0	0	1,790,807	11/01/2011	12/01/2011	673,476	
Jan-11	ACCUM.	102,441,471	117,844,805	102,515,726	-15,329,080				102,515,726			92,436,444	
34	MONTH	814,998	0	0	0	0	0	0	0	04/02/2011	08/02/2011	201,298	
Feb-11	ACCUM.	103,256,469	117,844,805	102,515,726	-15,329,080				102,515,726			92,637,742	
35	MONTH	787,699	0	488,026	488,026	0	0	0	488,026	31/03/2011	31/03/2011	1,186,701	
Mar-11	ACCUM.	104,044,168	117,844,805	103,003,752	-14,841,054				103,003,752			93,824,442	
36	MONTH	1,424,278	9,057,032	7,500,000	-1,557,032	0	0	0	7,500,000	03/05/2011	03/05/2011	0	
Apr-11	ACCUM.	105,468,446	126,901,837	110,503,752	-16,398,086				110,503,752	17/05/2011	18/05/2011	93,824,442	
37	MONTH	1,573,974	0	10,803,679	10,803,679	0	0	0	10,803,679	11/05/2011	12/05/2011	18,006,734	
May-11	ACCUM.	107,042,420	126,901,837	121,307,430	-5,594,407				121,307,430	27/05/2011	27/05/2011	111,831,176	
38	MONTH	2,055,995	0	2,700,000	2,700,000	0	0	0	2,700,000	29/06/2011	29/06/2011	2,700,000	
Jun-11	ACCUM.	109,098,415	126,901,837	124,007,430	-2,894,407				124,007,430			114,531,176	
39	MONTH	1,936,564	2,020,522	4,914,929	2,894,407	0	0	0	4,914,929	27/07/2011	27/07/2011	2,746,134	
Jul-11	ACCUM.	111,034,979	128,922,359	128,922,359	0				128,922,359			117,277,310	
40	MONTH	1,355,250	0	0	0	0	0	0	0	24/08/2011	25/08/2011	2,168,795	
Aug-11	ACCUM.	112,390,229	128,922,359	128,922,359	0				128,922,359			119,446,105	
41	MONTH	7,191,932	-7,299,362	-7,299,362	0	0	0	0	-7,299,362	21/09/2011	20/09/2011	2,176,892	
Sep-11	ACCUM.	119,582,161	121,622,997	121,622,997	0				121,622,997			121,622,997	
42	MONTH	4,826,650	3,791,663	3,791,663	0	0	0	0	3,791,663	19/10/2011	19/10/2011	3,791,663	
Oct-11	ACCUM.	124,408,811	125,414,660	125,414,660	0				125,414,660			125,414,660	
43	MONTH	5,712,368	5,655,483	5,415,200	-240,283	0	0	0	5,415,200	16/11/2011	16/11/2011	5,415,200	
Nov-11	ACCUM.	130,121,179	131,070,143	130,829,860	-240,283				130,829,860			130,829,860	
44	MONTH	5,866,562	9,391,731	9,268,242	-123,489	0	0	0	9,268,242	14/12/2011	14/12/2011	9,268,242	
Dec-11	ACCUM.	135,987,741	140,461,873	140,098,102	-363,772				140,098,102			140,098,102	
45	MONTH	5,817,390	8,367,001	8,377,620	10,619	0	0	0	8,377,620	11/01/2012	11/01/2012	8,377,620	
Jan-12	ACCUM.	141,805,131	148,828,874	148,475,722	-353,153				148,475,722			148,475,722	
46	MONTH	6,517,767	18,534,058	18,725,058	191,000	0	0	0	18,725,058	08/02/2012	08/02/2012	8,542,616	
Feb-12	ACCUM.	148,322,898	167,362,933	167,200,780	-162,153				167,200,780			157,018,338	
47	MONTH	7,419,040	9,284,501	9,553,209	268,707	0	0	0	9,553,209	07/03/2012	07/03/2012	10,182,463	
Mar-12	ACCUM.	155,741,938	176,647,434	176,753,989	106,555				176,753,989			167,200,801	
48	MONTH	7,646,215	8,211,478	7,408,088	-803,390	0	0	0	7,408,088	04/04/2012	04/04/2012	9,553,187	
Apr-12	ACCUM.	163,388,153	184,858,912	184,162,077	-696,836				184,162,077			176,753,988	
												176,753,988	

2.11 Monthly Report on Quality Management

1. Audits

1.1 Internal Audits

Audit-No	Date	NCRs raised	NCRs Closed-Out	% Closed	Corrective Actions
ETN QA 11/04 BB Civil	14/09/2011	2	1	50%	9 no. Observations/Suggestions for improvement
ETN QA 12/02 NRS	03/02/2012	3	2	67%	4 no. Observations/Suggestions for improvement
ETN QA 12/04 Graham	09/03/2012	5	0	0%	6 no. Observations/Suggestions for improvement
ETN QA 12/05 Expanded	21/03/2012	3	3	100%	4 no. Observations/Suggestions for improvement

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

Audit-No	Date	NCRs raised	NCRs Closed-Out	% Closed	Corrective Actions
TSA-10-03 BSC Design Assurance	29/03/2011	3	2	67%	Response submitted. Awaiting acceptance.
TSA-11-02 IDC Process	29/11/2011	3	2	67%	Response submitted. Awaiting acceptance.

2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	% Comp'd	Raised		Closed out		
					Total	Month	Total	Month	%
1A	66	0	6	9%	9	-	8	-	89%
1B	-	-	-	-	-	-	-	-	-
1C,1C/D St A Sq, Princes St	41	14	26	63%	22	0	19	0	86%
1D	46	6	35	76%	6	0	4	1	67%
2	48	19	34	71%	82	6	61	11	74%
5A	33	16	13	39%	14	5	7	0	50%
5B	88	20	43	49%	45	5	18	0	40%
5C	47	10	28	60%	29	3	23	0	79%
6	37	0	36	97%	125	0	124	0	99%
7	69	12	55	80%	31	1	24	5	77%
System NCRs (non-audit)					363	20	288	17	79%
Cancelled					14	0	14	0	100%

3. Further quality-related events during this month

(please describe shortly)

Bi-weekly Quality Surveillance reports relating to civils subcontractors are being compiled and issued on BIW. Confirmation of close out of 2 number CEC audit findings is still to be received. 3 number subcontractor audit NCR's (Expanded) were closed out in the period. Work to close the remaining observations and NCR's of the BB Civil audit is ongoing with completion expected by end of next reporting period.

Project: **Edinburgh Tram Network**

as per: **30/04/2012**



2.12 Safety Information System - SIS

Bilfinger Berger Civil⁵ - Monthly Safety Report

Form Nr 0611a

Month **Apr-12** Prepared by [redacted] Contact phone or email: [redacted]@civil.bilfinger.co.uk

Site or office and Unit5	BBIB ¹ Managers, Supervisors, Foremen	BBIB ¹ workers	JV people under BBIB control	Sub-contractors ³	Agency / hired people / BBSE workers eg BIS	Total	Others, eg public
Number	65		45	406		516	
Hours ²	10586		6264	73724		90574	

Accidents in this month (if no accidents but a previous accident person is still away from work, write in calendar days lost but leave accident space clear)

Fatal						0	
Serious: over 3 days injury						0	
Duty travelling / commuting 1D+						0	
LTI: 1 -3 days injury						0	
1st Aid only						0	
Calendar days lost this month + from any previous ongoing accidents						0	

Incidents

Damage				2		2	
Environment Ecology / Pollution						0	
Not work related eg flood, bomb scare						0	
Near misses, hazards reported				2		2	

Details of this months Fatal, Serious accidents (3d+) or serious incidents, and any previous non-RTW accidents, plus any work-related 'Health' incidents

IP Name or incident location/Ref	Employer	Injury / Incident	date of acc / inc	Return to work date ⁴	Cal days lost this month. Max 30

Return to OHS-Wi by **8th** of following month OHS-Wi email: QM@civil.Bilfinger.com OHS-Wi fax 0049 (0)611 708 769

1. Average number of BBIB 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 now calendar not working days, but maximum 180. You may have days lost to continue to report from an old accident but no accidents 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 1 C

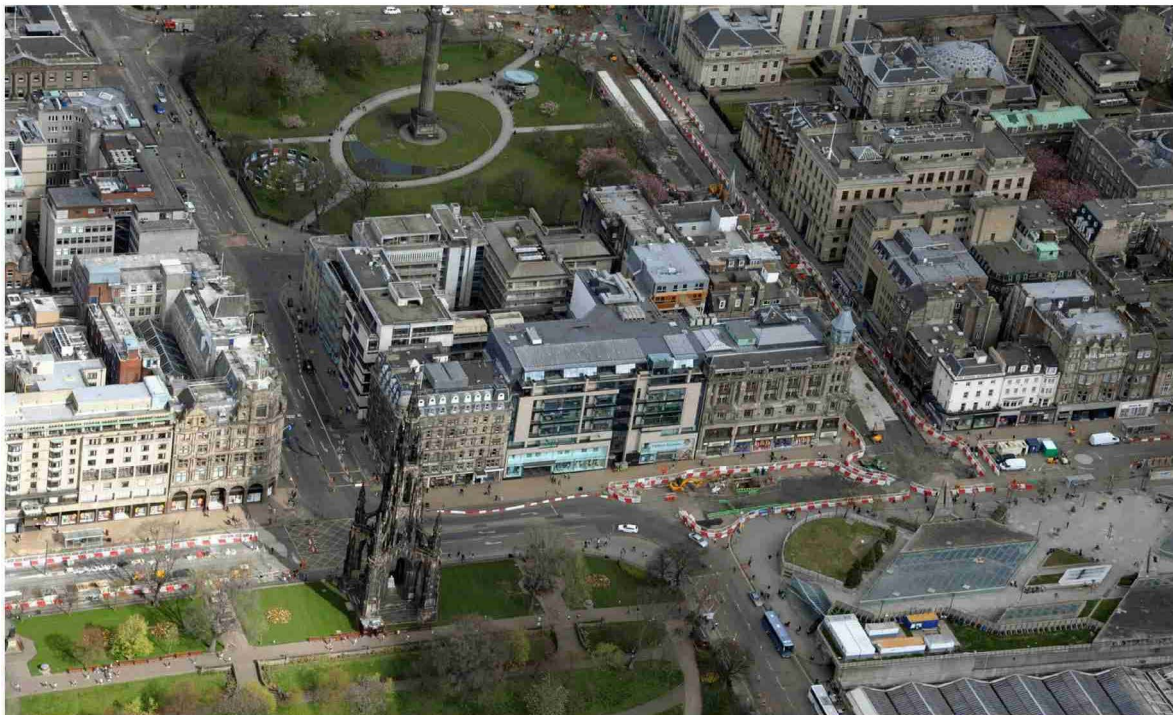
St Andrew Square



Picture 02

Section 1 C

St Andrew Square - Princes Street

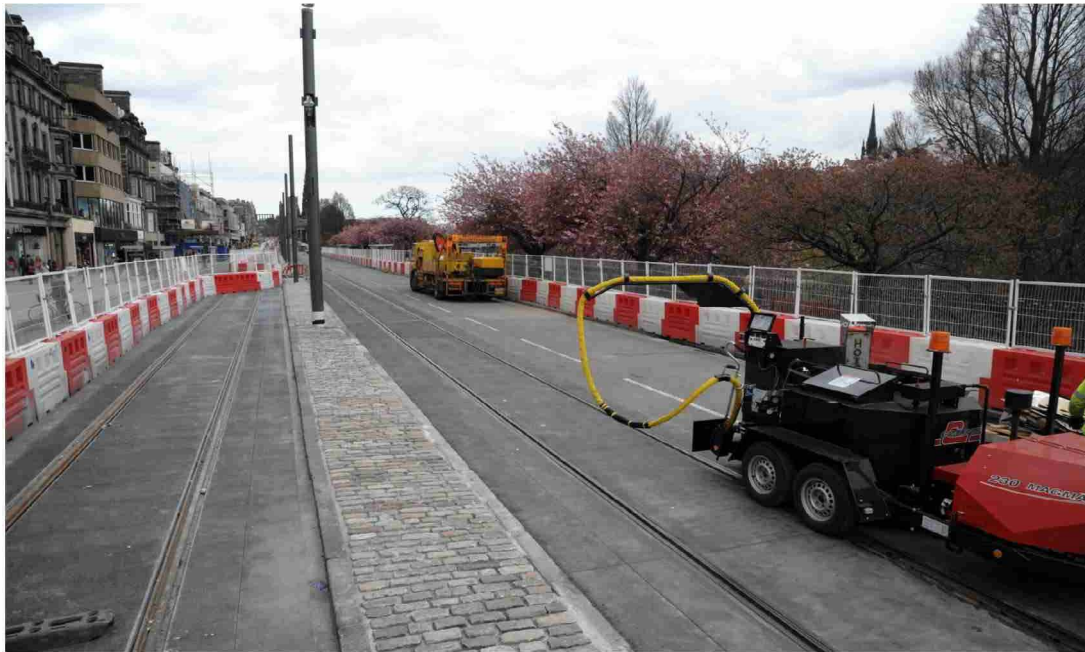


2.13 Project Photographs

Picture 03

Section 1CD

Princes Street



Picture 04

Section 1D

Shandwick Place - Lothian Road



2.13 Project Photographs

Picture 05

Section 1D

Shandwick Place



Picture 06

Section 5A

Murrayfield Tramstop RW W18



2.13 Project Photographs

Picture 07

Section 5A

Murrayfield Stop - Roseburn Viaduct



Picture 08

Section 5A

Water of Leith Bridge



2.13 Project Photographs

Picture 09

Section 5B

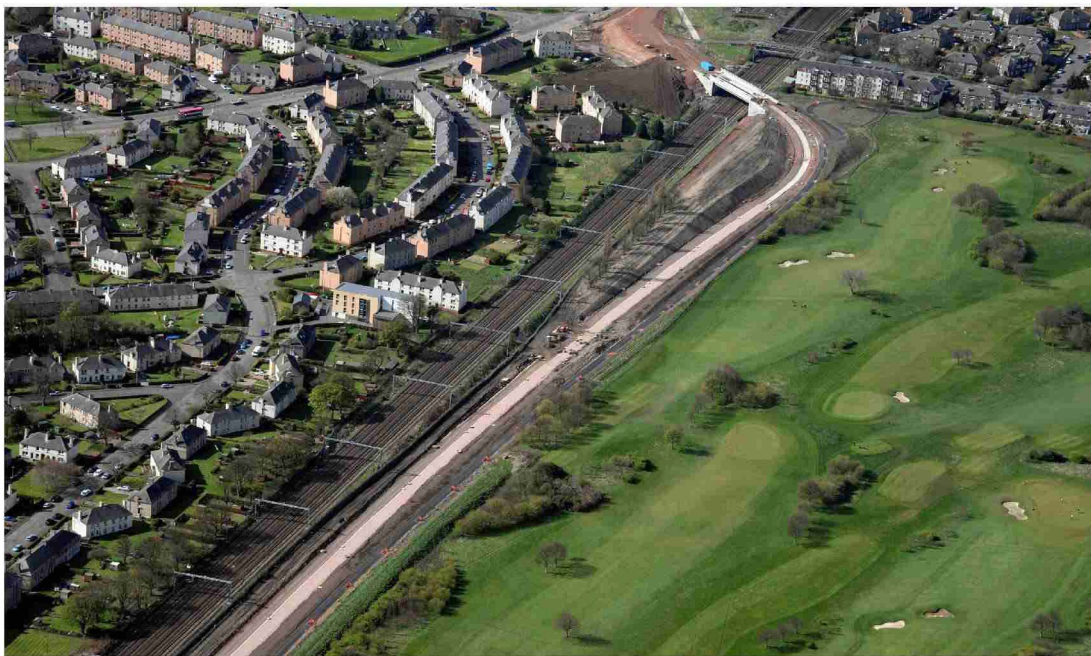
Saughton Tram Stop



Picture 10

Section 5B

Carrick Knowe Bridge



2.13 Project Photographs

Picture 11

Section 5B

Edinburgh Park Tram Stop



Picture 12

Section 7

Trackworks



3.01 Overview of Contingencies

Estimated Risks from Risk & Opportunity Sheet / Top Sheet		estimated	used	reduced	remaining
		GBP	GBP	GBP	GBP
Contractual Risks					
01.	Drawings will be not provided by SDS on time	188,188		-188,188	0
02.	Changes in law affecting clause 84 of the contract	62,729			62,729
03.	Taken risk on soft ground conditions	439,106			439,106
	Total Contractual Risks	690,024	0	-188,188	501,836
Design Risks					
04.	Assessed quantities not subcontracted at the time of tender submission	250,918		-250,918	0
05.	Her Majesty's Railway Inspectorate	21,955			21,955
	Total Design Risks	272,873	0	-250,918	21,955
Construction Risks					
06.	Programme risk on Sectional Completion Date A - LD's	12,546		-12,546	0
07.	Programme risk on Sectional Completion Date A - Site costs on Delay	6,273		-6,273	0
08.	Programme risk on Sectional Completion Date B - LD's	14,428			14,428
09.	Programme risk on Sectional Completion Date B - Site costs on Delay	8,155			8,155
10.	Programme risk on Sectional Completion Date C - LD's	183,484			183,484
11.	Programme risk on Sectional Completion Date C - Site costs on Delay	94,094			94,094
12.	Programme risk on Sectional Completion Date D - LD's	231,472			231,472
13.	Programme risk on Sectional Completion Date D - Site costs on Delay	28,228			28,228
14.	Network Rail requesting additional protection measures for temporary works	62,729			62,729
15.	Network Rail causing additional possessions and engineering hours	62,729			62,729
16.	Limits exceeding pollution	6,273			6,273
17.	Clients interpretation of Code of Construction Practice	62,729			62,729
18.	Power cables for street lighting between substations and user	7,528			7,528
19.	Additional works to be carried out under Network Rail License	301,101			301,101
	Total Construction Risks	1,081,770	0	-18,819	1,062,951
Commercial Risks					
20.	Non payment by the client for to be continued works	627,295		-627,295	0
21.	Interfaces Subcontractors not covered	501,836			501,836
22.	Interfaces Siemens not covered	940,942		-100,000	840,942
23.	Insurance deductibles	9,409			9,409
24.	Subcontractor insolvency	313,647			313,647
25.	Defects Liability	602,203			602,203
	Total Commercial Risks	2,995,333	0	-727,295	2,268,038
Other Risks					
					0
					0
					0
					0
	Total Other Risks	0	0	0	0
Total Values		5,040,000	-	- 1,185,220.00	3,854,780