

# EDINBURGH TRAM NETWORK

## Monthly Project Report December 2010



## Monthly Report Major Projects

**Project: Edinburgh Tram Network**

**Reporting Period: December 2010**

### TABLE OF CONTENTS

#### 1. Executive Summary

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

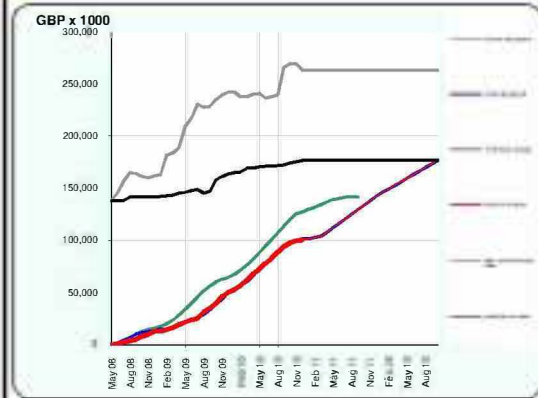
#### 2. Performance Report

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

#### 3. Attachments

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

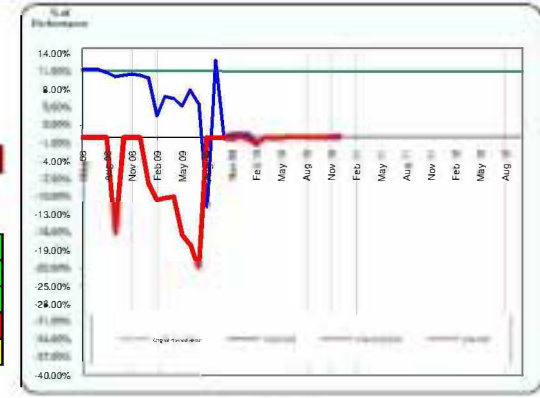
1.01 Project Overview Charts



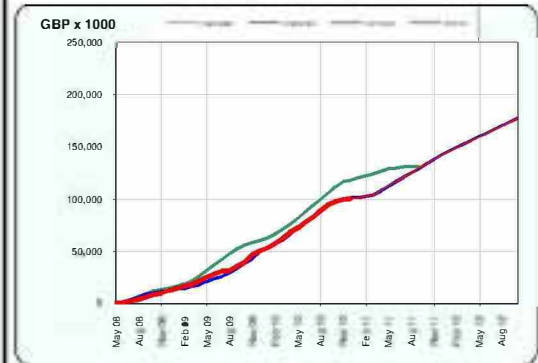
Performance

	Contract Plan (Rev.1)	Revised Plan (actual)	Forecast (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 <span style="color:red">red</span>
Total contract value [GBPx1000]	141,509			176,969	
Claims / Variations approved				42,688	
Claims / Variations not approved				86,092	
Performance		101,717		100,868	99.2% <span style="color:green">green</span>
Actual Cost to Date				100,750	99.9% <span style="color:green">green</span>
Result	11.07%	-0.25%	-0.25%	0.12%	0.00% <span style="color:green">green</span>
Payment Status		100,618		91,763	91.2% <span style="color:red">red</span>
Av.Perf/mth: Rem. & act. 3mth			4.005	2.083	<span style="color:yellow">yellow</span>

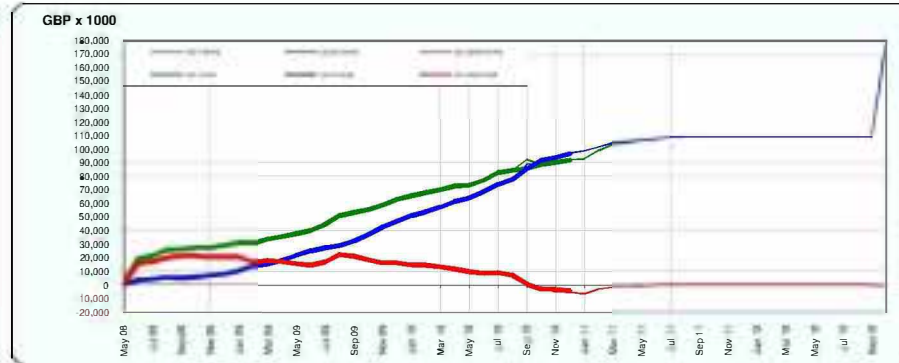
Project Key Figures



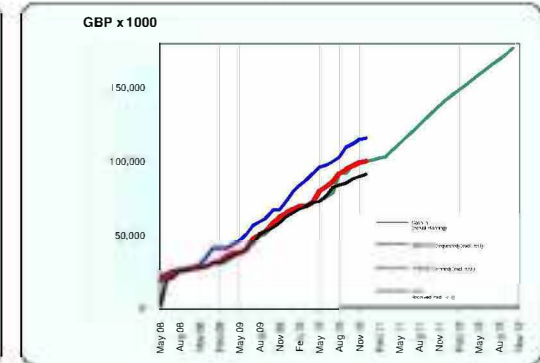
Project Result



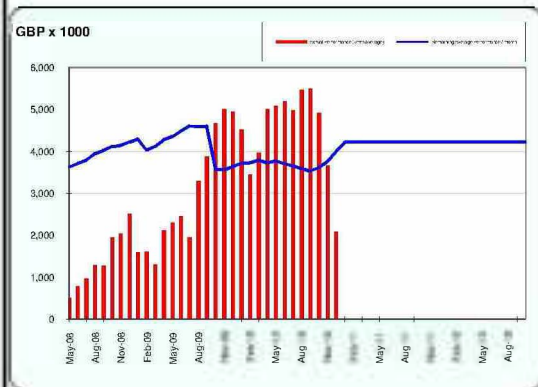
Project Cost



Cashflow



Payment Status



Remaining Performance / Resources



Milestone Trend Analysis (Forecast Rev 3A)



Contingencies vs Risks

## 1.02 Short note on Overview Charts

<b>1.2.1</b>	<b>Performance</b>												
<p>Due to the contractual stand off situation with tie, cessation of all unapproved works was established early October and was effecting works on approved changes. Progress of works was limited to execution of approved changes or 80.15 instruction not related to any unapproved change.</p> <p>Works at Lindsay Road, Depot Access Bridge, Depot Building and smaller external works at the Depot Area were performed on this basis only.</p> <p>The low performance during December was a result of the adverse weather conditions within first two weeks of the month.</p>													
<b>1.2.2</b>	<b>Project Cost</b>												
<p>The main cost overrun is due to cost and resource increases mainly caused by:</p> <ul style="list-style-type: none"> <li>- subcontracts (standby claims, additional works)</li> <li>- extension of time (staff, financial, running site)</li> <li>- consultants and design works</li> <li>- insurances and bonds</li> <li>- cost for legal fees</li> </ul> <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>													
<b>1.2.3</b>	<b>Project Result</b>												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">The monthly cumulative results adds up to</td> <td style="width: 15%; text-align: right;">£118,099.00</td> <td style="width: 10%; text-align: center;">or</td> <td style="width: 15%; text-align: right;">0.12%</td> </tr> <tr> <td>The forecast/planned result shows</td> <td style="text-align: right;">-£439,869.00</td> <td style="text-align: center;">or</td> <td style="text-align: right;">-0.25%</td> </tr> </table> <p>caused by the fluent situation of the project, i.e. no agreement on more than 200 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&amp;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: 15%; text-align: right;">£14,492.15</td> <td style="width: 10%; text-align: center;">or</td> <td style="width: 15%; text-align: right;">7.07%</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	£118,099.00	or	0.12%	The forecast/planned result shows	-£439,869.00	or	-0.25%		£14,492.15	or	7.07%
The monthly cumulative results adds up to	£118,099.00	or	0.12%										
The forecast/planned result shows	-£439,869.00	or	-0.25%										
	£14,492.15	or	7.07%										
<b>1.2.4</b>	<b>Payment Status</b>												
<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%;">Invoiced net to the client:</td> <td style="width: 15%; text-align: right;">£100,724,919.00</td> <td style="width: 25%;"></td> </tr> <tr> <td>Paid net from the client:</td> <td style="text-align: right;"><u>£91,762,968.00</u></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;"><i>Variance</i> £8,961,951.00</td> <td></td> </tr> </table> <p>The variance above incl. an amount of £8,288,475.03 for not certified but invoiced prelims and an amount of £673,475.97 certified construction works to be paid in January.</p>		Invoiced net to the client:	£100,724,919.00		Paid net from the client:	<u>£91,762,968.00</u>			<i>Variance</i> £8,961,951.00				
Invoiced net to the client:	£100,724,919.00												
Paid net from the client:	<u>£91,762,968.00</u>												
	<i>Variance</i> £8,961,951.00												
<b>1.2.5</b>	<b>Cashflow</b>												
<p>The ETN project cash flow turned negative within October.</p> <p>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: 15%; text-align: right;">£92,471,297.00</td> <td style="width: 25%; text-align: right;">(incl. interest income)</td> </tr> <tr> <td>Cash out net:</td> <td style="text-align: right;">£96,489,054.00</td> <td></td> </tr> <tr> <td>Cash balance net:</td> <td style="text-align: right;">-£4,017,757.00</td> <td style="text-align: right;">(internal balance)</td> </tr> </table>		Cash in net:	£92,471,297.00	(incl. interest income)	Cash out net:	£96,489,054.00		Cash balance net:	-£4,017,757.00	(internal balance)			
Cash in net:	£92,471,297.00	(incl. interest income)											
Cash out net:	£96,489,054.00												
Cash balance net:	-£4,017,757.00	(internal balance)											
<b>1.2.6</b>	<b>Contingencies</b>												
<p>The value for in the tender estimated contingencies is stable about:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 15%; text-align: right;">£5,019,788.00</td> <td style="width: 25%; text-align: right;">(see attachment 3.01)</td> </tr> </table>			£5,019,788.00	(see attachment 3.01)									
	£5,019,788.00	(see attachment 3.01)											
<b>1.2.7</b>	<b>Construction Programme</b>												
<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 2009 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). This programme was rejected by tie.</p> <p>MUDFA 2 programme was submitted to tie indicating an entitlement for prolongation on the MUDFA element only, with a base data date of 31 July 2010, up to 10 December 2012 (in total 15 months)</p>													

### 1.03 General Information

<b>1.3.1</b>	<b>Short note on progress, events this month</b>		
	<p><u>Mobilisation :</u></p> <p><u>Design:</u>  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 to achieve a completion of the design by spring 2011. The completion is influenced by the close out process of informatives and the constant unwillingness by the authorities (tie, CEC, BAA etc) to approve the submitted design.</p> <p><u>Procurement :</u>  No new procurement under current circumstances ongoing.</p> <p><u>Construction :</u>  Off-Street works have continued at Depot Access Bridge, Depot Building and smaller external works at the Depot Area .  On-Street works were ongoing at Lindsay Road only.  The above works were impacted by the adverse weather conditions during December.</p>		
<b>1.3.2</b>	<b>Significant extraordinary events</b>		
	<u>Date</u>	<u>Description</u>	<u>Remarks</u>
	30/11/2010	IFC Drawing changes - Lindsay Road Junction	tie 80.15 instruction received Referral to Dispute by tie
	03/12/2010	IFC Drawing changes - South Gyle Access Bridge	tie 80.15 instruction received Referral to Dispute by tie
	03/12/2010	IFC Drawing changes - Bankhead Drive Ret. Wall	tie 80.15 instruction received Referral to Dispute by tie
	13/12/2010	Approval of Sub-Contract Terms	Adjudicator ruled in favour of tie Referral to Dispute by BB
<b>1.3.3</b>	<b>Recent important agreements with the Employer or instructions having significant consequences</b>		
	<u>Date</u>	<u>Description</u>	<u>Remarks</u>
	22/12/2010	IFC Drawing changes - Drainage Section 5B	Change Order received Internal DRP resolution in favour BB
	22/12/2010	IFC Drawing changes - Drainage Section 5C	Change Order received Internal DRP resolution in favour tie
<b>1.3.4</b>	<b>Status on Major Unapproved Claims / Variations / Changes</b>		
	<p>780 change items notified to date 98 by tie and 682 by Infraco).  112 of these have been superseded by further changes or withdrawn.  88 of these have a delay only impact and are covered within the MUDFA/EOT-Claims, whereof 5 are submitted to date.  Therefore there are 580 changes requiring design and construction estimates.  486 changes are submitted.  Of this 191 changes were confirmed by tie p, incl. 1 for delay only. Further 5 small works changes were received.  295 submitted changes are under review in tie.  94 estimates are to be submitted whereof 18 are awaiting design information.  1 estimate of that is proceeding currently through the internal consortium approval process.</p>		




**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		
	Share: 100%	Total excl. Site Removal	38 month	49 month	128 %		
	Share: 0%	Expired construction time	31.5 month	31.5 month	65 %		
Currency:	GBP Rp. (all amounts without V.A.T.)	Performance to date	100,868,316 GBP		57 %		
Rate of Exchange Top Sheet	1 GBP = 1.25 EUR	Actual:	1.17	EUR			
2. Total Contract Value		Date of Contract	Total Previous Month	December 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%	175,404,950	130.6%	1,563,938	176,968,888 131.8%	
Contract Value with 3rd Parties (without interest)			0	0.0%	0	0 0.0%	
			175,404,950	130.6%	1,563,938	176,968,888 131.8%	
3 Approved Changes total			41,123,741	30.6%	1,563,938	42,687,679 31.8%	
3a. Provisional Sums		Total Previous Month	December 2010	Total Reporting Month			
SDS Novation Agreement Provisional Sums		2,902,543	2.2%	47,500	2,950,043	2.2%	
Defined Provisional Sums		181,489	0.1%	0	181,489	0.1%	
Undefined Provisional Sums		719,647	0.5%	0	719,647	0.5%	
3b. Claims and Variations		Total Previous Month	December 2010	Total Reporting Month			
Claims and Variations approved (= Total VO's Approved - 3a. Provisional Sums)		37,320,062	27.8%	1,516,438	38,836,500	28.9%	
Claims and Variations submitted but not approved yet		76,422,346	56.9%	-1,074,176	75,348,170	56.1%	
Claims and Variations under preparation		17,326,859	12.9%	-6,583,077	10,743,783	8.0%	
4a. Performance		Total Previous Month	December 2010	Total Reporting Month			
Performance for Actual Contract Value with Client		100,016,116	57.02%	852,200	100,868,316	57.00%	
Performance for 3rd Parties (without interest)		0	0.00%	0	0	0.00%	
Total Performance to Date		100,016,116	57.02%	852,200	100,868,316	57.00%	
Remaining Performance to Date		75,388,834	42.98%		76,100,572	43.00%	
Actual Planned Performance (Planned Performance per report date - Performance Last Month)		100,016,116	57.02%	1,701,293	101,717,409	57.48%	
4b. Cost		Total Previous Month	December 2010	Total Reporting Month			
Actual Cost at Reporting Date		100,016,000	57.02%	734,217	100,750,217	56.93%	
5. Result		Date of Contract	Total Previous Month	December 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%	11,383,781	6.49%	101,500	11,485,281 6.49%	
Actual Result at Reporting Date			116	0.00%	117,983	118,099 0.12%	
Forecast Result at the End of Contract			-460,551	-0.26%	20,682	-439,869 -0.25%	
Weighted Result at the End of Contract (Likely Case)			14,375,408	7.07%	116,740	14,492,148 7.07%	
6. Invoices, Payment and Bank account		Total Previous Month	December 2010	Total Reporting Month			
Application to the client - excl. VAT	incl. Ret. Money	0	0.00%	115,314,017	65.74%	1,074,737	116,388,754 65.77%
Certified by the client (Invoice) - excl. VAT	incl. Ret. Money	0	0.00%	99,563,458	56.76%	1,161,461	100,724,919 56.92%
Cash in from the client - excl. VAT	excl. Ret. Money	0	0.00%	90,254,186	51.45%	1,508,782	91,762,968 51.85%
Cash in from 3rd Parties - excl. VAT			0	0.00%	0	0 0.00%	
Interest income			708,825	0.71%	-496	708,329 0.70%	
Cash out (excl. VAT)			93,865,647	53.51%	2,623,407	96,489,054 54.52%	
Net Liquidity	credline	0	0%	-2,902,636	-1.65%	-1,115,121	-4,017,757 -2.27%
7. Subcontractor Work (incl. Design)		Total Previous Month	December 2010	Total Reporting Month			
Total Portion of Subcontractor Budget	60,353,024 (incl. SDS)	44.95%	117,757,900	67.13%	754,126	118,512,026 66.97%	
Total Amount of signed Subcontracts incl. approved Variation Order			0	0.00%	0	0 0.00%	
Total Subcontractor Result to date			0	0.00%	0	0 0.00%	
Actual Subcontractor Costs to date (incl. Accruals)			0	0.00%	0	0 0.00%	
Therefrom invoiced to date			0	0.00%	0	0 0.00%	
8. Actual Forecast for Performance and Result		in TSD GBP		Yearly Forecast			
Performance	Original planned	Actual / Forecast				Performance and Result in 2008	
	2008 2009 2010 2011	2008 2009 2010 2011 2012	Performance		Result		
Jan	1,706 2,786 2,346	584 2,632 860 3,435	12,940,002		7.3%		
Feb	2,526 4,026 2,026	1,739 4,077 1,200 3,435	2		0.00%		
Mrz	3,526 5,026 2,526	1,579 5,170 1,200 3,435	Performance and Result in 2009				
Apr	4,526 5,276 2,526	3,035 5,755 4,277 3,435	Performance		37,733,662 21.3%		
Mai	855 5,776 6,026 2,526	500 2,268 4,337 4,277 3,435	Result		-2 0.00%		
Jun	1,355 5,776 6,526 1,026	1,052 2,049 5,492 4,277 3,435	Performance and Result in 2010				
Jul	2,375 5,776 6,526 1,026	1,331 1,531 5,112 4,277 3,435	Performance		50,154,652 28.4%		
Aug	2,855 6,026 6,526	1,465 6,312 5,779 4,277 3,435	Result		0 0.00%		
Sep	3,055 4,626 6,526	1,047 3,783 5,590 4,277 3,435	Performance and Result in 2011				
Okt	2,855 4,026 6,526	3,340 3,931 3,375 4,277 3,435	Performance		41,753,000 23.6%		
Nov	1,535 2,526 5,026	1,725 7,288 2,022 4,277	Result		0 0.00%		
Dez	1,446 1,866 1,706	2,481 3,635 852 4,277	Performance and Result in 2012				
Total	16,334 48,678 62,498 13,999	12,940 37,734 50,195 41,753 34,348	Performance		34,347,572 19.4%		
	Linear Calculation	total: 176,969	Result		-439,869 -1.28%		
				Total Performance and Result			
				Performance		176,968,888 100.0%	
				Result		-439,869 -0.25%	
Edinburgh, 18/01/2011		Edinburgh, 18/01/2011					
Place and Date	M Foerder, Project Director	Place and Date		C G:bucler, 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	176,969	176,969	176,969	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-177,409	-177,409	-177,409
2	Unapproved, but in Job Site Estimate integrated Changes	9,588	3,232	2,320	2	Unapproved, but in Job Site Estimate integrated Changes			
3	<b>Total unapproved Changes</b>	<b>9,588</b>	<b>3,232</b>	<b>2,320</b>	3	<b>Total unapproved Changes</b>			
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	<b>Risks not included in JSE</b>			0	Σ 4.1 : 4.20	<b>Risks not included in JSE</b>	<b>-13,225</b>	<b>-14,225</b>	<b>-16,225</b>
5.1	Back Flow of Value Engineering	3,425	2,925	0	5.1	Uninsured Economic Losses	2,200	1,000	0
5.2	Change Order EOT2b	7,553	6,600	3,300	5.2	Interest Income			0
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	<b>Chances</b>	<b>28,602</b>	<b>24,925</b>	<b>11,000</b>	Σ 5.1 : 5.20	<b>Chances</b>	<b>2,200</b>	<b>1,000</b>	<b>0</b>
6 =1+3+4+5	<b>Forecast Final Revenue</b>	<b>215,159</b>	<b>205,126</b>	<b>190,289</b>	6 =1+3+4+5	<b>Forecast Final Costs</b>	<b>-188,434</b>	<b>-190,634</b>	<b>-193,634</b>

	Costs	best case	likely case	worst case
Forecast Final Result (best case) (Revenue Best Case + Forecast Cost all cases)	Revenue Costs Result	215,159 -188,434 26,725		
% Gross Margin based on Revenue Best Case	Revenue:	215,159	12.42%	
Forecast Final Result (most likely case) (Revenue most likely case + Forecast Costs all cases)	Revenue Costs Result		205,126 -190,634 14,492	
% Gross Margin based on Revenue Likely Case	Revenue:	205,126	7.07%	
Forecast Final Result (worst case) (Revenue worst case + Forecast Costs all cases)	Revenue Costs Result			190,289 -193,634 -3,345
% Gross Margin based on Revenue Worst Case	Revenue:	190,289		-1.76%
Gross Margin previous month (most likely case)		12.37%	7.07%	-1.61%

	Project: <b>Edinburgh Tram Network</b> as per: <b>31/12/2010</b>	
<b>2.01 Cost Reconciliation Sheet</b>		
<b>see following pages</b>		



Project: GB-2006-1001AK30 Edinburgh Tram 2010\_12  
Reporting Month: 30. R-P. 12.2010, 31/12/2010

**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 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 10%DJC-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 AQty. 15	Budget Agree VO's AQty. 1	Budget unapp. VO's AQty. 17	Budget Total AQty. 18=15+16+17	Revised DJCt AQty. 19	% Complete 20=9/19	Cnst to Complete (A-Q) 21=19-9	Forecast Final Cost 22=5+21	Forecast Final Variance 23=18-22	Projected Variance (linear) 24=8/20	
25.1.201.42	Section 1 - Site Cost	315,223	0	315,223	331,512	0	16,289	331,512	16,289	7,004	3,682	-3,322	3,135,322	3,135,322	0	0	3,135,322	1,030,782	32.16%	699,270	1,014,493	2,120,829	50,650	
1.1	SECTION 1 - Overall	315,223	0	315,223	331,512	0	16,289	331,512	16,289	7,004	3,682	-3,322	3,135,322	3,135,322	0	0	3,135,322	1,030,782	32.16%	699,270	1,014,493	2,120,829	50,650	
25.1.201.31	Section 1A1+1A2 - TBA	3,226,534	0	3,226,534	1,772,499	33,914	-1,420,121	3,188,231	-38,303	317,196	54,334	-262,862	7,376,522	7,376,522	229,492	33,914	7,639,928	8,175,379	39.00%	4,987,148	8,213,682	-573,754	-3,641,336	
25.1.201.32	Section 1A3 - TBA	4,543	0	4,543	0	0	-4,543	0	-4,543	0	0	0	2,257,643	2,257,643	0	0	2,257,643	2,262,196	0.00%	2,257,643	2,262,196	-4,543	-4,543	
	SECTION 1 - Sub-Section 1 A	3,231,077	0	3,231,077	1,772,499	33,914	-1,424,664	3,188,231	-42,846	317,196	54,334	-262,862	9,634,165	9,634,165	229,492	33,914	9,897,571	10,433,022	30.56%	7,244,791	10,475,868	-578,297	-3,645,879	
25.1.201.40	Section 1 B (Main Sub-Section)	474,296	0	474,296	373,326	102,623	1,653	523,292	48,996	-99,347	0	99,347	4,070,396	4,070,396	13,452	102,623	4,186,471	3,929,409	13.32%	3,406,117	3,880,413	306,058	12,410	
	SECTION 1 - Sub-Section 1 B	474,296	0	474,296	373,326	102,623	1,653	523,292	48,996	-99,347	0	99,347	4,070,396	4,070,396	13,452	102,623	4,186,471	3,929,409	13.32%	3,406,117	3,880,413	306,058	12,410	
25.1.201.43	Section 1C1 - TBA	2,272	0	2,272	11,788	0	9,516	13,118	10,846	0	0	0	1,086,641	1,086,641	11,788	0	1,098,429	1,099,759	1.19%	1,086,641	1,088,913	9,516	9,516	
25.1.201.44	Section 1C2 - TBA	17,661	0	17,661	0	0	-17,661	0	-17,661	0	0	0	4,335,508	4,335,508	7,869	0	4,343,377	4,343,377	0.00%	4,343,377	4,361,038	-17,661	-17,661	
25.1.201.45	Section 1C3 - TBA	1,034,672	0	1,034,672	933,729	76,211	-24,733	1,037,999	3,327	0	0	0	66,024	66,024	933,729	76,211	1,075,964	1,104,024	94.02%	66,025	1,100,697	-24,733	-26,305	
1.4	SECTION 1 - Sub-Section 1 C	1,054,605	0	1,054,605	945,517	76,211	-32,877	1,051,117	-3,488	0	0	0	5,488,173	5,488,173	953,386	76,211	6,517,770	6,547,160	16.05%	5,496,043	6,550,648	-32,878	-34,450	
25.1.201.52	Section 1D MacKenzie	788,707	0	788,707	446,757	0	-341,950	785,567	-23,140	0	0	0	3,062,303	3,062,303	-371,806	0	2,690,497	3,077,624	24.88%	2,312,057	3,100,768	-410,267	-1,374,397	
25.1.201.96	Suppl/Agree Princes Street	12,311,056	0	12,311,056	10,671,732	0	-1,639,324	12,342,576	31,520	-28,903	0	28,903	1,132,513	1,132,513	9,768,686	0	10,901,199	12,405,274	99.49%	62,698	12,373,754	-1,472,555	-1,647,727	
1.5	SECTION 1 - Sub-Section 1 D	13,099,763	0	13,099,763	11,118,489	0	-1,981,274	13,108,143	8,380	-28,903	0	28,903	4,194,818	4,194,818	9,396,880	0	13,591,696	15,482,098	84.86%	2,374,755	15,474,518	-1,882,822	-3,022,125	
25.1.201.53	Site Costs/Remaining Works..	1,086,498	0	1,086,498	811,646	0	-274,852	1,086,998	500	25,655	26,742	1,08	855,828	855,828	0	0	855,828	1,131,180	96.09%	44,192	1,130,680	-274,852	-286,036	
25.1.201.54	Track & Formation - TBA	2,339,709	0	2,339,709	979,623	318,541	-1,041,545	2,695,810	356,101	-156,196	0	156,196	4,929,008	4,929,008	2,974,112	318,541	8,221,661	10,120,981	26.64%	7,425,171	9,764,880	-1,543,219	-3,909,703	
25.1.201.55	Highways - TBA	318,929	0	318,929	0	0	-318,929	0	-318,929	21,870	0	-21,870	2,402,044	2,402,044	0	0	2,402,044	2,402,044	0.00%	2,402,044	2,720,973	-318,929	-318,929	
25.1.201.56	S27 Edinburgh Park Station ..	6,522,041	0	6,522,041	4,713,021	114,929	-1,694,091	6,515,408	-8,633	-19,183	0	19,183	4,674,535	4,674,535	234,261	114,929	5,023,727	6,672,697	97.64%	157,289	6,679,330	-1,655,603	-1,735,038	
25.1.201.57	S28 A8 Underpass	2,914,907	0	2,914,907	1,861,975	198,414	-854,518	2,905,037	-9,870	-14,119	0	14,119	2,400,222	2,400,222	242,771	198,414	2,841,407	3,826,009	75.93%	920,972	3,835,879	-994,472	-1,125,402	
25.1.201.58	Other Structures	4,808,279	0	4,808,279	2,636,378	9,931	-2,161,964	4,920,307	112,028	-51,091	0	51,091	8,210,211	8,210,211	1,896,833	9,931	10,116,985	11,223,536	43.84%	6,303,229	11,111,508	-994,523	-4,931,481	
	SECTION 5 - Sub-Sections SABC	17,990,363	0	17,990,363	11,002,643	641,821	-6,345,899	18,123,560	133,191	-193,064	26,742	219,806	23,471,848	23,471,848	5,347,981	641,821	29,616,552	35,376,447	51.23%	17,252,887	35,243,250	-5,781,598	-12,306,596	
25.1.201.61	Section 2+5A (Main Sub-Section)	8,818,013	0	8,818,013	7,760,842	122,728	-934,443	8,867,542	-49,529	287,919	443,820	155,901	20,024,410	20,024,410	2,302,095	122,728	22,449,233	22,437,907	39.52%	13,570,385	22,388,378	80,855	-2,384,481	
25.1.201.62	Section 5C+7 (Main Sub-Section)	6,818,151	0	6,818,151	4,800,648	545,816	-1,271,688	6,639,195	21,044	5,262	0	-5,262	5,738,972	5,738,972	1,944,510	545,816	8,229,298	7,172,296	92.57%	533,101	7,151,252	1,078,046	-1,373,751	
25.1.201.63	Section 6 (Main Sub-Section)	14,237,597	0	14,237,597	11,734,466	425,261	-2,077,870	14,261,245	23,648	150,941	82,038	-68,900	13,932,200	13,932,200	1,557,520	425,261	15,914,981	16,690,588	85.44%	2,429,341	16,666,938	-751,957	-2,431,964	
1.7	SECTION PACKAGES - Sub-Section	29,673,761	0	29,673,761	24,295,956	1,093,805	-4,284,000	29,767,982	94,221	444,122	525,858	81,736	39,695,582	39,695,582	5,804,125	1,093,805	46,593,512	46,300,789	64.29%	16,532,807	46,206,568	386,944	-6,170,202	
25.1.201.21	Temporary Traffic Management..	3,068,639	0	3,068,639	1,599,976	62,772	-1,405,891	3,090,059	21,420	39,815	50,173	10,358	2,765,570	2,765,570	463,694	62,772	3,292,036	4,719,638	65.47%	1,629,579	4,698,218	-1,406,182	-2,147,382	
25.1.201.22	Street Lighting - TBA	0	0	0	0	0	0	0	0	0	0	0	1,130,224	1,130,224	-10,267	0	1,119,957	1,130,224	0.00%	1,130,224	1,130,224	-10,267	-10,267	
25.1.201.23	Landscaping - TBA	0	0	0	0	0	0	0	0	0	0	0	150,000	150,000	0	0	150,000	150,000	0.00%	150,000	150,000	0	0	
	SECTION WIDE	3,068,639	0	3,068,639	1,599,976	62,772	-1,405,891	3,090,059	21,420	39,815	50,173	10,358	4,045,794	4,045,794	453,421	62,772	4,561,993	5,999,862	51.50%	2,909,803	5,978,442	-1,416,449	-2,147,382	
	CONSTRUCTION	68,907,727	0	68,907,727	51,439,918	2,011,146	-15,456,565	69,183,896	276,169	486,823	660,789	173,966	93,736,098	93,736,098	22,198,745	2,011,146	117,945,987	125,100,369	55.30%	55,916,473	124,824,200	-6,878,213	-27,263,574	
25.1.201.64	Consortium Office / Running ..	2,712,378	0	2,712,378	2,273,386	44,563	-394,429	2,633,930	-78,448	8,966	33,563	24,591	1,988,002	1,988,002	1,565,051	67,821	3,620,880	4,108,098	64.12%	1,474,168	4,186,546	-565,666	-615,142	
25.1.201.65	Staff	15,353,111	-131,783	15,221,328	12,195,494	248,566	-2,777,268	15,271,604	50,276	150,219	96,294	-53,925	13,241,334	13,241,334	8,001,861	373,221	21,816,416	22,605,076	67.56%	7,333,472	22,554,800	-938,384	-4,110,811	
25.1.201.66	Design And Engineering	9,495,610	0	9,495,610	6,894,621	374,797	-2,226,192	9,562,294	66,684	-140,424	62,014	202,438	3,308,815	3,308,815	4,431,988	374,797	8,115,600	10,351,651	92.37%	789,357	10,284,961	-2,169,367	-2,410,081	
25.1.201.67	Insurances, Bonds, Interests	206,507	0	206,507	517,937	3,482	314,912	237,493	30,986	-47,278	22,449	-24,829	2,552,271	2,552,271	1,724,895	80,999	4,358,171	4,805,911	4.94%	4,568,418	4,774,925	-416,754	314,912	
25.1.201.68	Tender Costs	543,775	0	543,775	543,775	0	0	543,775	0	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	3,662,893	0	3,662,893	1,290,502	64,245	-2,308,146	3,688,218	25,325	181,358	-589,297	-770,655	589,297	589,297	1,720,571	84,440	2,394,308	4,873,623	75.68%	1,185,405	4,848,298	-2,453,990	-3,338,818	
	OVERHEADS	31,974,274	-131,783	31,842,491	23,715,715	735,653	-7,391,123	31,937,314	94,823	247,397	-374,977	-622,374	22,223,500	22,223,500	17,444,366	981,284	40,649,150	47,288,134	67.54%	15,350,820	47,193,311	-6,		

Project: GB-2006-1001AK30 Edinburgh Tram 2010\_12  
Reporting Month: 30. R.-P. 12.2010, 31/12/2010

**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 5=3+4	Actual Allowable incl. agreed VO's	Allowable for unapproved VO's 7	Variance to Date 8=(6+7)-5	Revised DJC (QxL)JC-Rate 9	Variance to Date 10= 9-5	Actual Cost with Accruals 11	Actual Allowable 12	Variance 13=12-11	Budget Original Qty. 14	Budget Orig. Contr. with AQty. 15	Budget Agreed VO's AQty. 16	Budget unappr. VO's AQty. 17	Budget Total AQty. 18=15+16+17	Revised DJCt AQty. 19	% Complete 20=9/19	Cost to Complete (A-Q) 21=19-9	Forecast Final Cost 22=5+21	Forecast Final Variance 23=18-22	Projected Variance (linear) 24=8/20
Total Cost incl. Prime Cost Sums		100,882,000	-131,783	100,750,217	75,155,547	2,746,799	-22,847,871	101,121,119	370,90	734,21	281,744	-452,47	125,838,066	125,838,066	39,643,113	2,992,430	168,473,609	177,408,290	57.0	76,287,171	177,037,388	-8,563,77	-40,083,984
Prime Cost Sums 0/ 0																							
Total Cost without Prime Cost Sums		100,882,000	-131,783	100,750,217	75,155,547	2,746,799	-22,847,871	101,121,119	370,90				125,838,066	125,838,066	39,643,113	2,992,430	168,473,609	177,408,290		76,287,171	177,037,388		

**REMEASURED CONTRACT:**

Gross Margin original Contract and agreed VO's (PF = 0.9975, PFB = 1.0694)

Total Cost without Prime Cost Sums	100,750,217	75,155,547	101,121,119	125,838,066	125,838,066	39,643,113	2,992,430	168,473,609	177,408,290	177,037,388
Gross Margin		5,215,795	-352,803	15,670,749	8,443,143	3,044,566,00	11,487,709	-439,402		-68,500
Gross Margin in % of Performance		6.49 %	-0.25 %	11.07 %	6.29 %	7.13 %	6.49 %	-0.25 %		-0.04 %
Performance without Prime Cost Sums		80,371,34	100,868,31	141,508,815	134,281,20	42,687,679	176,968,888	176,968,888		176,968,888
Actual Cost to date		100,750,21	100,750,21							
Gross Margin to date		-20,378,875	118,099							
Gross Margin to date in % of Performance		-25.36 %	0.12 %							
Performance Prime Cost Sums										
Total Performance		80,371,342	100,868,316	141,508,815	134,281,209	42,687,679	176,968,888	176,968,888		176,968,888
Revenue according WBS										

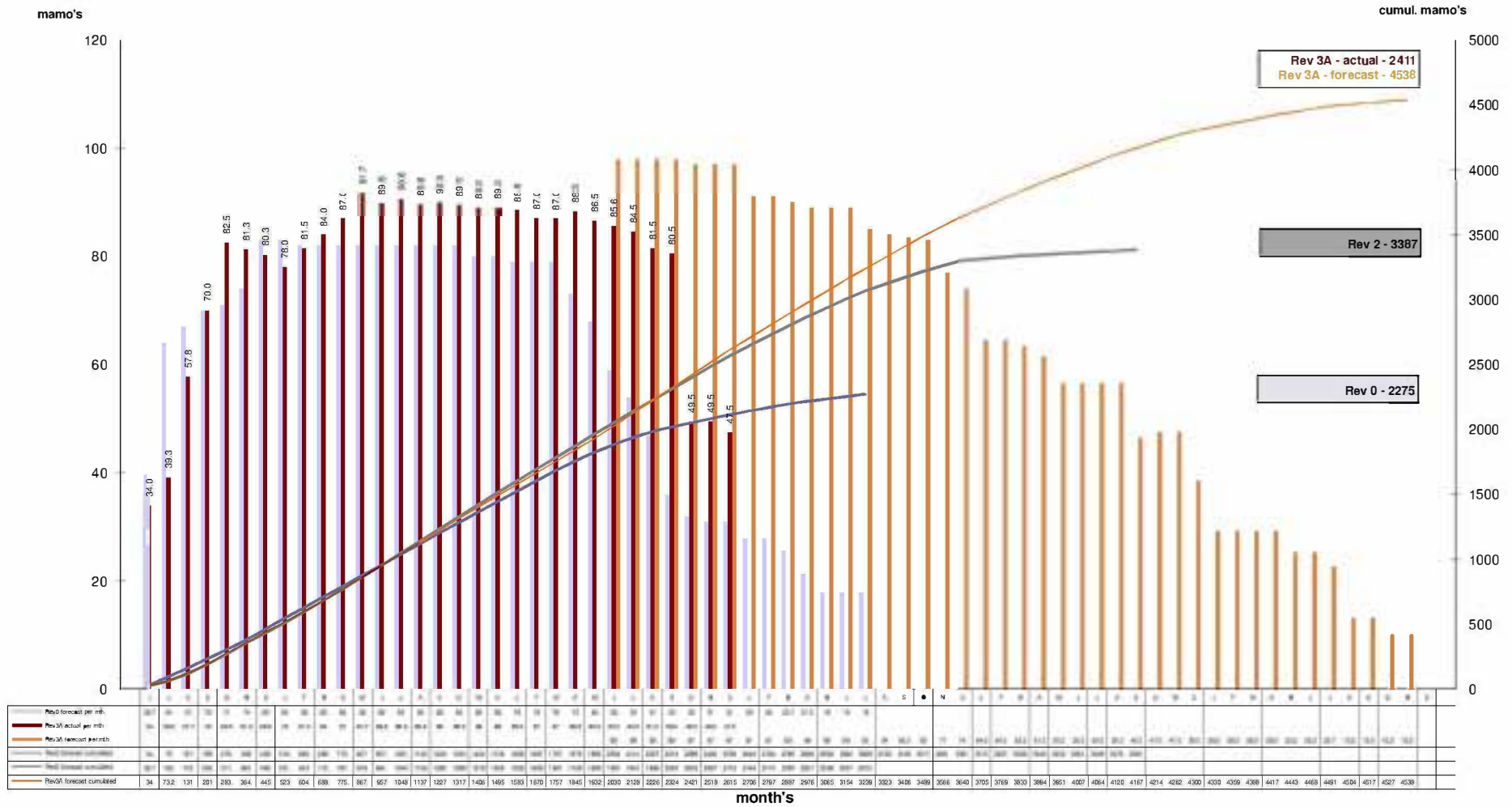
Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0157, PFB = 1.0696)

Total Cost without Prime Cost Sums	77,902,346	101,121,119	125,838,066	125,838,066	39,643,113	2,992,430	168,473,609	177,408,290	177,037,388
Gross Margin	5,422,003	1,587,602	15,670,749	11,727,286	2,792,615	3,163,517			
Gross Margin in % of Performance	6.51 %	1.55 %	11.07 %	6.51 %	1.55 %	1.76 %			
Valued Performance without Prime Cost Sums	83,324,34	102,708,721	141,508,815	134,281,20	42,687,679	3,232,017	180,200,905	180,200,905	180,200,905
Actual Cost to date	100,750,21	100,750,217							
Gross Margin to date	-17,425,868.00	1,958,504							
Gross Margin to date in % of Performance	-20.91 %	1.91 %							
Performance Prime Cost Sums (incl. valued performance)									
Total Performance (incl. valued performance)	83,324,349	102,708,721	141,508,815	134,281,209	42,687,679	3,232,017	180,200,905	180,200,905	180,200,905
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

										Job Estimate Budgets						
INTC	TNC	TCO	DRP	PS	Section Activity	Description	Date of Approval	Revenue	Design & Construction	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P / Margin	Margin in %	Remarks		
									2.00			5=1-2-3-4				
SDS NA		SDSNA			SDS 66	SDS Novation Agreement Provisional Sums	31/12/10	2,950,043.00	2,950,043.00							
PSSA		PSSA			IC/D 96	Works carried out under Supplemental Agreement concerning Princes Street	20/03/09	12,780,161.06	10,485,330.13		1,393,120.78	921,710.14	7.21%			
19					Graham 61	Archaeological Survey to the Caley Ale House	19/09/08	5,976.61	4,430.40	775.32		327.85	443.04	7.41%		
21					Graham 61	Asbestos in the Caledonian Ale House	19/09/08	6,053.64	4,487.50	785.31		332.08	448.75	7.41%		
53					5C 54/57	TNC004-Utilities diversions & associated works	10/10/08	39,217.65	28,539.95	5,494.67		2,323.54	2,859.69	7.29%		
67					BSC 64/65	Duct installation at Leith Walk	22/01/09	344.00	255.00	44.63		18.87	25.50	7.41%		
59					Graham 61	Notified Departure in acc. With Schedule 4 due to file-Asbestos Survey	30/01/09	29,947.80	22,200.00	3,885.00		1,642.80	2,220.00	7.41%		
51					5A 61	TNC002-Utilities diversions & associated works	03/12/08	75,488.50	54,944.68	10,576.65		4,472.50	5,494.47	7.28%		
52					5B 54	TNC003-Utilities diversions & associated works	03/12/08	88,027.11	64,070.99	12,333.67		5,215.38	6,407.13	7.28%		
166					IA 31	Demolition of existing garage and fuel tanks on Ocean Drive.	03/12/08	14,500.00	14,500.00			2,537.50	1,450.00	7.41%		
176					Fairans 62	Temporary Ramps (2 no.) at Gogar Church Road Construct Car Park	19/12/08	7,725.08	5,622.74	1,082.38		457.69	562.27	7.28%		
237	10				UPS Graham 61	Move site boundary/fencing at Haymarket Car Park	17/02/09	987.96	719.09	138.43		58.53	71.91	7.28%		
272	11				5B 54	Starter Layer below Subsoil Level at Garlick Knowe	17/12/08	96,557.69	70,280.00	13,528.90		5,720.79	7,028.00	7.28%		
23	12				Graham 61	Demolition of Access Steps to Haymarket Station Carpark	23/01/09	2,860.75	1,710.00	306.25		126.54	217.96	9.23%		
192	14				UPS 1B 40	Discovery of Cable & Wireless ducts - Chainage 108	22/01/09	187.35	136.36	28.25		11.10	13.64	7.28%		
48	15				SDS 66	Additional TRO Drawings as SDS Letter dated 4th July 2008	22/01/09	3,550.19	3,024.00			223.78	302.40	8.52%		
168	16				IA 31	Demolition of existing building at 133 Ocean Drive.	02/03/09	6,745.00	4,989.52	875.00		389.22	511.28	7.58%		
	17				BSC 65	Hard standing at Haymarket Yards.	29/01/09	1,011.75	750.00	131.25		55.50	75.00	7.41%		
84	18				SDS 65/66	TNC005 Burnside road Diversion - Fees for design (INF_CORR.006)	03/02/09	720.00	613.29			45.38	61.33	8.52%		
271	19				SDS 66	Road Construction Details - Construction Methodology Statements for	13/02/09	372,940.13	317,325.50			23,482.08	31,732.55	8.52%		
269	20				SDS 66	Instructions arising from Trackform Development Workshop	13/02/09	371,057.96	316,083.00			23,388.66	31,606.30	8.52%		
274	21				TM 21	Princes Street Construction Works closure to traffic during construction	13/02/09	7,522.40	5,576.28	975.85		412.64	557.63	7.41%		
159	23				DPS	Removal of Provisional Sum Main Contract - Relocation Ancient Monuments	12/03/09									
141	24				SDS 66	West End Tramstop - revised requirements from CEC file.	09/04/09	16,636.11	14,170.50			1,048.62	1,417.05	8.52%		
266	25				Depot 63	Monthly Track Monitoring Network Rail East Coast North Line / Gogar Depot	27/03/09	5,369.02	3,980.00	696.50		294.52	398.00	7.41%		
173	26				Graham 61	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%		
75	27				Fairans 62	Temporary Access Ramp from Depot	27/03/09	16,303.74	12,221.60	2,115.02		894.33	1,072.59	6.58%		
187	28				Depot 63	Additional excavated material at Depot	02/04/09	1,680,654.40	1,223,272.73	235,480.00		99,574.40	102,327.27	6.16%		
295	30.1				UPS Fairans 62	Scottish Gas Networks - Trial investigations to protect gas main at Culvert 2	29/04/09	16,430.30	11,983.64	2,306.85		941.45	1,198.36	7.29%		
364	30.2				BSC 64/65	New Manhole (MHI) at Babirnis Place	12/02/10	1,498.23	1,268.19			103.23	126.61	8.46%		
216	31				UPS 1B 40	Discovery of alkathene water pipe above formation level - Chainage 265 RHS	29/04/09	618.86	488.75	80.28		33.95	45.88	7.41%		
218	32				UPS 1B 40	Discovery of 2 No. LV and 1 No. LV cables above formation level. - 182 RHS.	29/04/09	295.4	218.36			38.21	16.16	7.70%		
220	33				UPS 1B 40	Discovery of Water connection pipework above formation level - 161 RHS	29/04/09	91.8	68.10	11.92		5.04	6.81	7.41%		
223	34				UPS 1B 40	Discovery of stone culvert - Chainage 100 RHS	29/04/09	1,169.22	866.79	151.69		64.14	86.60	7.41%		
225	35				1B 48	Repairs required to footpath to allow pedestrian access. Chainage 170 RHS	29/04/09	329.1	239.59	46.12		19.50	23.96	7.28%		
260	36				1B 40	Relocate existing Control Box - Section 1B	29/04/09	1,274.98	945.13	185.40		69.94	94.51	7.41%		
293	37				Fairans 62	Gogar Castle Road tree felling	29/04/09	1,335.51	990.00	173.25		73.26	99.00	7.41%		
294	38				Fairans 62	Reinstale access ramp at Gogar Depot	29/04/09	9,798.94	7,132.21	1,372.95		580.56	713.22	7.28%		
296	39				Fairans 62	Formation Level of Gogarburn Bridge West Abutment	29/04/09	13,439.93	9,782.32	1,883.10		796.28	978.23	7.28%		
297	40				Fairans 62	Formation Level of Gogarburn Bridge East Abutment	29/04/09	8,468.2	6,162.01	1,186.23		501.60	616.43	7.28%		
327	41				UPS 1B 40	Dye test and camera survey at Chainage 170 RHS	29/04/09	711.82	527.66	92.34		39.05	52.77	7.41%		
328	42				UPS 1B 40	Reinstale slabbed footway following MUDFA works	29/04/09	1,386.54	1,027.83	179.87		76.06	102.78	7.41%		

**2.08a Approved Change Orders**

							Job Estimate Budgets							
INTC	TNC	TCO	DRP	PS	Section Activity	Description	Date of Approval	Revenue	Design & Construction	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P / Margin	Margin in %	Remarks
									2.00			5=1-2-3-4		
193		46		LPS	1B	40	Discovery of Hydrant in kerb line - Chainage 333 RHS	29/04/09	449.22	333.00	58.28	24.64	33.30	7.41%
194		47		LPS	1B	40	Discovery of void around existing BT Duct - Chainage 380 RHS	29/04/09	192.31	142.60	24.96	10.55	14.26	7.41%
189		48			1C	44	Demolition of Police Box Coffee Bar - Picardy Place	29/04/09	1,0615.92	7,869.47	1,377.16	582.34	786.95	7.41%
330		49		LPS	1B	40	Install additional gully Chainage 250 RHS	09/05/09	2,170.14	1,579.55	304.06	126.57	157.96	7.28%
157		50			Fairans	62	Survey of Existing Drainage (Gogar Landfill)	01/05/09	4,027.46	2,931.41	564.30	238.62	293.19	7.28%
324		51		LPS	5C	57	A8 Underpass Phase 1 Piling Obstructions	01/05/09	4,613.58	3,420.00	596.50	253.08	342.00	7.41%
340		52			5C	56	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		53			5B	54	Carriack Knowe chainage 520200 to 520240 - sub-grade improvement	15/05/09	98,501.99	71,694.73	13,801.24	5,835.95	7,169.47	7.28%
360		54		DPS	SDS	66	Alteration of Design at Forth Ports Road 8	15/05/09	11,932.54	10,164.00		752.14	1,016.40	8.52%
361		55		LPS	5A	61	Scottish Power Utility Diversion near Murrayfield Station	05/06/09	8,889.80	6,188.55	1,217.54	514.85	788.86	8.85%
167		56		LPS	5A	61	Accommodation Works to Wanderers Clubhouse Building at Murrayfield	26/05/09	191,080.84	141,631.46	24,785.51	10,480.73	14,163.14	7.41%
338		57			1B	40	Remove ornamental iron balls from Groathill Depot	03/06/09	406.26	301.15	52.70	22.29	30.12	7.42%
42		58		SDS	66	66	Delay and Disruption to Revelation Tramstop Landscaping	01/06/09	2,409.05	2,052.00		151.85	205.20	8.52%
392		59			5B	56	Pier 1 Base Formation - Section 5B	03/06/09	561.45	408.65	78.67	33.26	40.57	7.28%
336		60			BSC	64	Extension to Site Office for Ie/SDS personnel	02/06/09	150,000.00	120,096.08	21,016.81	8,887.11	0.00	0.00%
349		61			TM	21	Traffic Management contingency for Emergency Utility Works	02/06/09	404.70	300.00	52.50	22.20	30.00	7.41%
385		62			IC/D	21	Section 1C1D - Additional MASS barriers on Great Stuart Street	02/06/09	915.21	678.48	118.73	50.21	67.85	7.41%
74		63			BSC	64/65	Sewer Diversion, Gogar Landfill	09/06/09	1,433.79	1,213.64		98.79	121.36	8.46%
350		64			7A	62	Protected Species mitigation measures	05/06/09	8,862.22	6,862.20	1,204.48	509.32	686.22	7.41%
273		65		SDS	64/65/66		Gogarburn Retaining Wall W14 - Re-design Water Mains and Gas Main	07/07/09	1,156.51	981.36		77.07	98.14	8.49%
222		66		LPS	1B	40	Discovery of valves and a hydrant fouling the new kerb line - 120 RHS	10/06/09	617.61	457.83	80.12	33.88	45.78	7.41%
238		67			TM	21	Temporary Traffic Lights opposite Manderson Street required	04/09/09	15,084.79	11,182.21	1,956.89	827.48	1,118.21	7.41%
243		68		SDS	66	66	Forth Ports Substation - lack of as-built information	10/06/09	7,824.11	6,864.50		493.17	666.45	8.52%
352		69			IC/D	21	Off-peak Taxi Rank at George Street	10/06/09	2,213.71	1,641.00	267.18	121.43	164.10	7.41%
409		70		SDS	66	66	Forth Ports - New construction at Ocean Drive	10/06/09	2,817.60	2,400.00		177.60	240.00	8.52%
259		72			SDS-5B	54/66	Cycleway at Edinburgh Park Station repositioned outwith the LOD	15/06/09	52,094.85	39,609.70	5,340.56	3,221.42	3,922.97	7.53%
171		73			Consults	71	Contract with Faber Maunsel for Transit and Linsig Modelling Assessments.	16/06/09	64,809.00	48,043.00	8,407.52	3,555.18	4,803.30	7.41%
373		74		LPS	7A	62	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	3,269.16	2,379.47	458.05	193.69	237.95	7.28%
371		75		LPS	7A	62	Transfer MUDFA Utility Diversion Sect. 5C-Conflict Schedule 5C/TE/D/05	17/06/09	855.81	622.91	119.91	50.70	62.29	7.28%
307		76			Graham	61	Contaminated Soil assessment at Haymarket Depot	11/06&20/06/09	54,996.59	40,761.00	7,133.18	3,016.31	4,076.10	7.41%
439		77			SDS	66	SDS' proposed of tie move to Edinburgh Park - IT costs	07/07/09	28,000.00	20,756.12	3,832.32	1,535.95	2,075.61	7.41%
203b		78			Depot	63	Structural Steelwork	15/07/09	270,372.81	196,792.25	37,882.51	16,018.89	19,679.22	7.28%
203a		79			Depot	63	Foundations	15/07/09	47,782.16	34,778.48	6,694.86	2,830.97	3,477.85	7.28%
449		80			5B	21	Reinstatement of Bus Link - Traffic Management	23/07/09						CO Value not issued - to be paid on Demonstrable Cost Basis
419		82			TM-IC	21/43	Replace MASS barriers at St Andrews Square	14/09/09	22,896.56	16,973.00	2,970.27	1,256.00	1,697.31	7.41%
279		84.1			SDS	66	West Piton Tram stop	29/07/09	859.31	732.00		54.17	73.20	8.52%
413		84.2		LPS	7A	62	Provide local protection of sewer at Chainage 711990	31/07/09	2,696.95	1,989.22	349.86	147.94	199.93	7.41%
179		85		LPS	SDS	66	Gatehouse Works to Murrayfield Stadium Part 1	05/09/09	108,864.00	92,558.70		6,849.34	9,255.87	8.52%
179		86		LPS	SDS	66	Gatehouse Works to Murrayfield Stadium Part 2	10/09/09	34,830.00	29,867.80		2,195.42	2,966.78	8.52%
159a		087			BSC	64/65	Provisional Sum Main Contract - Relocation Ancient Monuments Aborive Costs	25/01/10	3,992.60	3,379.55		275.10	337.96	8.46%
234		89		LPS	1B	40	Leith Walk (Section 1B) Groundworks - Move THUS ducts - Ch 345 - 365	11/09/09	6,662.03	4,864.37	851.26	359.96	486.43	7.41%
202		90			Fairans	62	IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	12/08/09	13,368.41	9,730.32	1,873.08	792.05	973.02	7.28%

**2.08a Approved Change Orders**

										Job Estimate Budgets					
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									2.00			5=1-2-3-4			
118		96			BSC 64/65	IFC Drawing Change Cathedral Lane Sub Station	31/09/09	1,229.73	1,040.91			84.73	104.09	8.46%	
407		97			Depot 63	Hard material within Gogar excavation	02/09/09	35,906.99	26,062.23	5,016.98		2,121.47	2,606.21	7.28%	
91		98			5B 56	Reference ETN002 Edinburgh Park Structure (S27) Earthworks/Foundations.	04/09/09	52,388.71	37,750.88	7,802.57		3,080.38	3,775.08	7.21%	
337		99			TM-1B 21/40/71	Testing to carriage way at Leith Walk	04/09/09	15,452.46	11,454.75	2,004.58		847.65	1,145.48	7.41%	
437		102			5B 58	Garrick Knowe works outwith the LOD	23/11/09	4,323.55	3,205.00			560.88	237.17	320.50	7.41%
304		104			DPS 1C/D 96	Provisional Sum for Extra Over for Shell Grip at Junctions	12/10/09	156,259.21	113,728.94	21,893.80		9,257.95	11,378.52	7.28%	Instruction of ProvSum - Current Value just partially
475		105.1			LPS 5B 57	A8 Underpass - BT works - Stew 2 way and 4 way ducts	09/10/09	94,954.28	70,144.03			12,275.21	5,190.68	7,344.98	7.73%
486		105.2			SDS 66	TRO Changes September 2009		3,430.43	2,922.00			216.23	292.20	8.52%	
362		106			5B 56	Edinburgh Park Bridge - Approach Ramps additional earthworks	09/10/09	185,000.00	134,653.18	25,920.74		10,960.77	13,465.31	7.28%	
414		107			21/61	Sample soil nailing to embankments between Russell Road & Water of Leith	09/10/09	44,718.35	33,149.26	5,801.12		2,453.05	3,314.92	7.41%	
431		108			5B 57	Slew existing BT duct at A8 underpass	13/10/09	22,846.79	16,934.93	2,965.19		1,253.18	1,693.49	7.41%	
125		109			SDS- 61/66	Unforseen Ground Conditions at Haymarket Viaduct	22/10/09	94,317.38	68,649.54	13,215.01		5,588.06	6,864.77	7.28%	
191		110			LPS 1B 46	Discovery of concrete encased lighting cable - Chainage 389 RHS	29/10/09	179.5	133.51	23.29		9.85	12.92	7.19%	
242		111			SDS 66	TRO Presentations by SDS to the public during September 2008	04/11/09	23,480.00	20,000.00			1,480.00	2,000.00	8.52%	
77		112			SDS- 66	DESIGN ONLY to Amend line of route design section 5# (Batch 5/22)	13/11/09	5,388.54	4,251.90	321.55		369.90	425.19	7.92%	
370		113			5B 56	Existing Ground Levels at Edinburgh Park Bridge	23/11/09	61,851.90	47,285.35	6,932.89		2,931.62	4,721.44	7.61%	
203j		114			Depot 63	BDDI to IFC changes to depot access road	13/11/09	78,674.86	57,263.89	11,023.30		4,661.28	5,726.89	7.28%	
112		112	115		Graham 61	IFC Drawing Change Haymarket Viaduct	04/11/09	96,173.00	70,000.00	13,475.00		5,696.00	7,000.00	7.28%	Settlement reached during internal DRP
001A-D		116			EOTI 64/65/67	IFC dates entered into the Schedule Part 15 (Sect 1A-1 D)	04/11/09	2,225,000.00	2,022,727.27			202,272.73		9.09%	Settlement reached in Mediation
426		121			BSC 64/65	Alteration of Drainage at Eastfield Avenue to avoid a clash with Utilities	13/11/09	1,064.74	903.64			70.74	90.36	8.49%	
309		123			5B 56	Edinburgh Park Bridge (S27) - South Abutment Base Formation	25/11/09	9,494.75	7,202.85	1,131.29		443.35	717.46	7.58%	
85		125			1A-1 31	TNG006 - Lindsay Road Retaining Wall Cost Estimate	15/01/10	484,065.00	352,329.09	67,823.35		28,679.59	35,232.97	7.28%	
389		126			5C 57/71	Maintain Thrus and C & W services and dismantle water main at A8 Underpass	17/12/09	20,324.84	14,793.87	2,847.73		1,204.16	1,478.86	7.28%	
155a		127			7A 62	IFC Drawing changes Gogarburn RTWs 14A, 15A, 15B, 15C	22/12/09	14,118.66	10,276.51	19,782.24		8,365.06	10,276.36	7.28%	
282		128			Graham 61	Request for instruction to deal with Japanese Knotweed - Retaining Wall W4	22/01/10	24,282.76	18,000.58	3,150.10		1,332.04	1,800.66	7.41%	
436		129			TM 21	Lothian Road pedestrian disruption	25/01/10	6,404.25	6,404.93	1,120.86		473.96	640.50	7.41%	
434		130			TM 21	George Street Emergency road closure	25/01/10	1,516.30	1,124.02	196.70		83.18	112.40	7.41%	
76		131			BSC 65	Gogar Depot Public Tramstop proposals GRIP options 4B & 4C2	13/01/10	50,000.00	42,589.44			3,151.82	4,258.94	8.52%	
146a		132	101		Graham 61	IFC Drawing Change Russell Road RTWs Wall4	18/02/10	1,461,857.21	1,063,659.90	169,640.48		80,190.83	106,365.99	7.41%	Settlement reached after DRP
151		133.1			BSC 64/65	Excavate and replace existing BO material within existing utility trenches.	22/01/10	1,085.68	902.05			73.43	90.20	8.46%	
266		133.2			5C 57	Carry out Scottish Power Diversion at Gogar Roundabout	01/02/10	70,163.35	51,857.54	9,220.92		3,899.13	5,185.76	7.39%	
367		134			Graham 61	Haymarket Station - Network Rail Access Doorway	08/02/10	2,814.69	2,086.50	365.14		154.40	208.65	7.41%	
474		135			5B 54	Additional manhole requirement - Section 5B	09/02/10	7,085.74	5,157.39	992.80		419.81	515.74	7.28%	
502		136			5B 58	Additional excavation at Carrick Knowe North Abutment	09/02/10	390.94	284.55	54.78		23.16	28.45	7.28%	
088a		137			DPS Depot 63	Power Supply Ducts Section 6	15/02/10	13,297.26	9,678.49	1,863.11		787.83	967.85	7.28%	
105		138	120		5B 58	IFC Drawing Change Balgreen Road Retaining Wall	15/02/10	298,574.22	217,317.92	41,833.86		17,689.75	21,731.79	7.28%	Settlement reached during internal DRP
517		139			Graham 61	Scottish Power Utility Diversion SA/SP/D/05 at Russell Road Retaining Wall	22/02/10	20,005.56	14,829.92	2,595.24		1,097.41	1,482.99	7.41%	
203p		140			63	IFC issue drawings for alteration to Scottish Water valves - MUDFA works	31/03/10	5,365.61	3,977.50	696.06		294.34	397.75	7.41%	
399		141			7A 62	Addition of starter and capping layers in Section 7A	04/03/10	1,139,305.68	829,249.35	159,630.50		67,500.90	82,924.93	7.28%	Estimate provisional
402		142			5B 54	Addition of starter and capping layers in Section 5B	03/03/10	1,048,164.36	743,019.32	170,361.35		60,481.78	74,301.93	7.09%	
403		143			5C 54	Addition of starter and capping layers in Section 5C	03/03/10	930,159.34	677,020.05	55,109.52		130,926.57	67,703.20	7.28%	
199		144			SDS 66	Revised location of OLE poles in Section 1A at the request of CEC	04/06/10	4,575.43	3,897.30			288.40	389.73	8.52%	
60		146			SDS- 62/66	Diversion of Existing Sewer at Gogarburn Bridge - conflict with the 300 mm dia	07/07/10	36,292.29	26,778.73	4,804.20		2,031.49	2,677.87	7.38%	



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										2.00			5=1-2-3-4		
053a		150			5C	54	TNC004 - Utilities diversions & associated works - Water main diversion only	31/03/10	112,879.89	83,676.72	14,643.43	6,192.08	8,367.66	7.41%	
479		153			5A	58	Proposed sewer lining at Water of Leith Bridge	04/06/10	59,709.69	44,261.44	7,745.75	3,275.35	4,426.14		
448		155			SDS-64/65/66		Change to street lighting at Haymarket Terrace	07/05/10	1,154.69	979.77		76.94	97.99	8.49%	
196		157			SDS-64/65/66		Little King Street works required by CEC outside the Limits of Deviation	18/05/10	2,487.75	2,111.27		165.35	211.13	8.49%	
052a		158			5B	54	TNC003-Utilities diversions & associated works	30/07/10	55,923.7	40,749.82	-7,835.59	-3,313.34	-4,024.99	7.20%	
430		159			Graham	61	Additional white lining at Haymarket Station Car Park	26/05/10	3,930.65	2,913.75	509.91	215.62	291.39	7.41%	
089b		160			7A	62	Power Supply Ducts - Ingliston Park And ride Tram Stop	26/05/10	2,309.60	1,681.20	323.63	136.85	168.12	7.28%	
104		161.1	119		5A	58	IFC Drawing Change Baird Drive RTW	26/05/10	915,462.16	666,323.72	128,267.32	54,238.75	66,632.39	7.28%	Settlement reached after DRP
148b		161.2			Graham	61	IFC Drawing Change Russell Road RTWs Wall 3	26/05/10	370,000.00	269,306.35	51,841.47	21,921.54	26,930.64	7.28%	
115		162	95		5B	58	IFC Drawing Change Carrickknowe Bridge	26/05/10	139,265.2	100,637.05	19,372.63	8,191.86	10,063.99	7.28%	Settlement reached after DRP
543		164			TM	21	Transit and Linsig modelling - Aecom	20/09/10	60,392.00	44,760.56	7,833.10	3,312.28	4,476.06	7.41%	
230		165	119		1A	31	IFC Drawing Changes - Tower Bridge Structure	18/06/10	280,973.46	189,950.85	-36,565.54	-15,462.00	-18,995.09		Settlement reached after DRP
165b		166			7A	62	IFC Drawing changes Gogarburn RTWs 14B & 15D	19/06/10	12,484.28	9,072.19	1,746.40	738.48	907.22		
111		167			Farrans	62	IFC Drawing Change Gogarburn Bridge	21/09/10	176,195.40	129,496.13	23,727.37	10,933.29	12,949.61		Settlement reached after DRP
113		168			Graham	61	IFC Drawing Change Russell Road Bridge	16/06/10	60,174.06	43,797.99	8,431.11	3,565.16	4,379.90		
551a		169			Graham	61	Removal and disposal of contaminated soil at Russell Road Retaining Wall	29/07/10	397,000.00	294,292.07	51,501.11	21,777.61	29,429.21	7.41%	
492		170			Graham		IFC drawing changes - Haymarket Car Park	18/08/10	40,000.00	29,651.59	5,189.03	2,194.22	2,965.16	7.41%	
291		172			1C	66	Revised proposals for Cathedral Lane Sub-station	13/10/10	2,063.9	1,758.07		130.10	175.51	8.52%	
517a		173			Graham	61	Scottish Power Utility Diversion 5A/SP/D/05 at Russell Road Retaining Wall	27/08/10	16,738.62	12,408.17	2,171.43	918.20	1,240.92	7.41%	
289		174			1A	66	Cycleway change at Hawthornvale - Section 1A.4	09/10/10	6,199.68	5,280.92		390.78	528.08	8.52%	
292		175			1A	31/66	Additional Ramp/ Steps at Lindsay Road Retaining Wall - Section 1A.4	08/10/10	2,189.28	1,656.92	223.41	122.59	165.66	7.64%	
499		179			SDS	66	Frederick Street pedestrian crossing	30/09/10	17,639.16	15,024.00		1,111.78	1,502.40	8.52%	
116		180			5A	58	IFC Drawings Water of Leith Bridge	03/09/10	20,000.00	14,825.80	2,594.51	1,097.11	1,482.58	7.41%	
258a		182			SDS	66	Future Proofing on behalf of New Ingliston Ltd and Highland Properties Ltd	10/09/10	5,140.00	4,378.19		323.99	437.92	8.52%	
441a		183			2A,5AB	54	Site investigation contamination	22/09/10	50,000.00	37,064.49	6,488.29	2,742.77	3,706.45	7.41%	Provisional Change Order
76		184			SDS	66	Design for Edinburgh Gateway	22/09/10	519,439.06	442,452.35		32,741.47	44,245.24	8.52%	BB portion only
158		186		UPS	Graham	61	Provisional Sum - Provide Crew Relief Facilities at Haymarket Station Viaduct	22/09/10	149,002.2	109,712.56	19,199.70	8,118.73	10,971.26	7.41%	
433		187			Graham	21	Traffic management at Verity House Access Road	11/10/10	10,841.52	8,037.00	1,406.48	594.74	803.31	7.41%	
167c		188			5A	61	Further Changes to Wanderer's Clubhouse Building at Murrayfield - radiators	06/10/10	2,063.9	1,530.00	267.75	113.22	153.00	7.41%	
074a		189			7A	62	Gogar Landfill Embankment Sewer Diversion - Flexible Sleeve	08/10/10	2,894.39	2,145.89	375.48	158.77	214.56	7.41%	
653		191			7A	62	Badger Sett Removal	09/10/10	1,839.51	1,363.61	238.63	100.91	136.36	7.41%	
201		192	118		5C	58	IFC Drawing changes - Depot Access Bridge	15/02/2010	1,230,624.88	912,249.73	159,643.70	67,506.48	91,224.97	7.41%	
108		193			5C	54	BDD1 to IFC changes Gyle Tram Stop	11/10/10	26,424.41	19,393.58	3,702.38	1,565.58	1,762.98	6.67%	
655		195			7A	66	Relocate drainage from A8 at Gogar interchange	13/10/10	26,920.82	22,945.50		1,690.57	2,294.55	8.52%	
420		196			1B	21	Leith Walk Gyrotray System	09/10/10	5,036.91	3,733.81	653.42	276.30	373.39	7.41%	
660		197			7A	66	Topographical survey for Burnside Road	15/10/10	2,879.82	2,453.00		181.52	245.30	8.52%	
321		198			1C	66	Rev Alignment Picardy Place, York Place, London Road Junctions	20/10/10	50,000.00	42,589.44		3,151.62	4,259.94	8.52%	
500		199			1C	66	Picardy Place - redesign north side to incorporate a fourth lane eastbound	20/10/10	50,000.00	42,589.44		3,151.62	4,259.94	8.52%	
602		199			5B	54	Bus Gate - Unforeseen ground conditions - existing foul water manhole	20/10/10	3,846.3	2,851.29	499.97	210.99	295.13	7.41%	
583		200			1C/D	21	Partial reinstatement of Princes Street contingency route	29/10/10	21,946.88	16,269.00	2,847.07	1,203.91	1,626.90	7.41%	
315		201	117		7A	62	IFC Drawing Changes - Drainage - Gogarburn to Airport	10/02/2010	997,068.00	739,116.39	129,345.37	54,994.61	73,911.64	7.41%	
359		202			1D	52	Haymarket Junction- Underground Chamber at Clifton Terrace	29/10/10	92,836.1	68,818.51	12,043.24	5,092.57	6,881.95	7.41%	
559		203			5C	57	A8 Underpass Scottish Gas Main Diversion	09/11/10	2,263.61	1,678.00	293.65	124.17	167.80	7.41%	



Project: **Edinburgh Tram Network**  
 as per: **31/12/2010**



**2.08a Approved Change Orders**

										Job Estimate Budgets					
INTC	TNC	TCO	DRP	PS	Section Activity	Description	Date of Approval	Revenue	Design & Construction	Other Prelims 17.5 %	Consortium Fee 7.4 %	OH&P / Margin	Margin in %	Remarks	
									2.00			5=1-2-3-4			
148		208			5A 58	IFC Drawing Change Balgreen Road Underbridge (S22b)	07/12/10								
199		208			5A 58	IFC Drawing changes - Balgreen Bridge S22a	07/12/10	84,000.00	62,268.35	-10,896.96	4,607.86	-6,226.83	7.41%		
283		209			5B 56	Edinburgh Park Bridge (S27) - Pier 3 Base Formation	11/11/10	8,810.74	6,531.31	1,142.98	483.32	653.13	7.41%		
654	109	210			5C 66	Additional Tram stop at Gogar to be named "Edinburgh Gateway"	11/11/10	2,207.12	1,880.00			139.12	88.00	8.52%	
679	113	211			1A 31	Tower Place Bridge Diversion	11/11/10	10,779.53	7,990.76	1,398.38	591.32	799.08	7.41%		
568		212			2A 66	Topographical survey at Scotrail Depot	22/12/10	1,810.90	1,542.50			114.15	154.25	8.52%	
706		212			1A 21/31	Tower Place Bridge - Sequence of works	18/11/10	65,572.74	48,608.41	8,506.47	3,597.02	4,860.84	7.41%		
722		213			5A 66	Murrayfield Accommodation Works	22/12/10	5,858.26	4,990.00			369.26	499.00	8.52%	
342	040	216			5B 54	Transfer of private utility diversions from MUDFA at Edinburgh Park	19/11/10	1,535.82	1,138.49	199.24	84.25	113.85	7.41%		
262ab		220	214		5B 54	BDDI to IFC Drawing Changes - Section 5B - Track Drainage	17/11/2010	1,755,603.80	1,301,411.27	227,746.97	96,304.43	130,141.13	7.41%		
335		221	215		5C 54	IFC to IFC Drawing Changes - Section 5C - Track Drainage	17/11/2010	162,835.60	120,708.38	-21,123.97	-8,932.42	-12,070.84	7.41%		
SWC1		SWC1			2A 61	Haymarket Viaduct removal of Scottish Power cable and containment	04/05/10	2,895.63	2,139.08	374.34	158.29	213.91	7.41%		
601		SWC2			5B 54	Bus Gate - Unforeseen ground conditions - existing Scottish Power LV cable	20/10/10	2,459.26	1,823.04	319.03	134.90	182.30	7.41%		
SWN1		SWN1E			5C 54	Edinburgh Gateway - Enabling works cable diversion	02/11/10	3,777.20	2,800.00	490.00	207.20	280.00	7.41%		
SWN7		SWN007			2A 61	Haymarket Yards Verily House Hard Standing	11/11/10								Referred to dispute
698		SWN008			5B 54	Busgate: Scottish Power HV Cable Clash with Drainage	11/11/10								Referred to dispute
107			118		5B 58	IFC Drawing Change Bankhead RTW	09/12/10								Referred to dispute
110			218		5B 58	IFC Drawing Change South Gyle Access Bridge	07/12/10								Referred to dispute
264a			219		1A 31	IFC drawings and specifications lowering Lindsay Road									Referred to dispute
264b			219		1A 31	IFC drawings and specification for work in Chainages 100000 to 100800 -									Referred to dispute
429					EOT2a 64/65/67	Issue of MUDFA Programme Revision 6	13/11/09	6,600,000.00	6,000,000.00			600,000.00	9.09%	Referred to dispute	
<b>TOTALS</b>								<b>42,687,678.69</b>	<b>34,961,748.32</b>	<b>3,559,388.25</b>	<b>1,121,975.87</b>	<b>3,044,565.48</b>	<b>7.13%</b>		

Sum=Total budget approved changed orders  
**39,643,112.43**













**2.08b Unapproved Changes**

INTC	TNC	TCO	DRP	EOT only	SDS only	Section	Activity	Description	Assessment			Status					Job Estimate Budgets			Stage of Completion	Remarks					
									Maximum	assessed	Minimum	Submitted	to be submitted	response	document	agreed	not agreed	Revenue	Direct Cost			Margin in %				
						SW		Incomplete Utility works	17,324,225	11,280,746	7,795,901	17,324,225	X									13-12/8				
536						SW ON		Noise and vibration works arising from the study	80,431	52,280	35,194	80,431		not accepted	6836											
540	79					7A	86	Edinburgh Airport Platform changes	19,938	3,988	8,972	19,938	X													
541						7A	86	Edinburgh Airport - CEC changes	1,903	381	856	1,903	X													
542						1A	40	Cuney Works - chainage 85-100	13,131	2,626	5,989	13,131	X													
544						5A	58	Additional parapet upstand on deck of Carrick	70,300	45,695	31,635	70,300	X													
545						1D		Remove Bus Shelters in George Street																		
546						7A		Airport Phase A works delay due to drainage																		
548	83					SW OFF		Accommodation Works - Section 5																		
549	112					1D		CEC's amendments to street lighting																		
550	84					SW OFF		Amend Trackform at state locations																		
553						5A	61	Below Ground Obstructions - Piling to Russell	66,009	13,202	29,704	66,009	X													
554						7A		Edinburgh Airport CCHC Walkway Earthing and	6,208	4,035	2,793	6,208	X													
555						5A	54/86	Bus Gate protection or diversion of existing	43,858	8,773	19,740	43,858	X													
559						5C	57	AS Unforeseen - Piling of existing sewer	85,041	17,008	38,283	85,041	X													
562						1A		Revised IFC drawing for Gogar Roundabout	45,552	29,609	20,498	45,552	X													
563						1A		Linksav Road - Additional road works																		
566						1D		Reinstated traffic island on Princes Street	1,338	670	602	1,338	X													
567	88					7A		Accommodation Works - Section 7																		
569	80					SW OFF		Port Machine Position (SV 0116)																		
571						1D		Delays access to Clifton Terrace (phase 1) due																		
572						1D		Out of sequence working at Haymarket/Lothian																		
573						1A		Forth Ports Area - fence alterations																		
574	87					7A	82	Remove surplus material from Plot 304	289,756	138,341	130,390	289,756	X													
575						SW		Develop Kinematic envelope (DKE) - Site																		
576						5A		Asbestos Contamination	10,000	6,500	4,500			10,000												
577						5C		W19 - Gyle Stop retaining wall - protection of	81,843	53,199	36,930	81,843	X													
579						5C	57	AS Unforeseen - Phase 2 - Change to pile top	40,248	8,050	18,111	40,248	X													
580						SW		Informative approvals process changes by																		
581						SW		Revisions to TR0 public exhibition document																		
582						1A	31	Linksav Road retaining wall IC - Unforeseen	6,935	1,387	3,121	6,935	X													
584						7A	82	Invasive Species - Gogar Landfill Area - Giant	77,389	15,478	34,825	77,389	X													
586	93					1C		Revised traffic management at junction of the	7,520	4,888	3,384	7,520	X													
588						SW ON		Special trackform construction at shallow depth	120,959	78,624	54,432	120,959	X													
590						2A		ICR Ventilation Results - TQ 1518	34,388	22,351	15,474	34,388	X													
591						SW		Revisions to TR0 general overview document -																		
592						5A		Contaminate material at Murrayfield	1,587,350	1,031,778	714,308			1,587,350												
593						2A		Revisions to OLE bases - Section 2A	408,641	265,617	183,883	408,641	X													
594						2A		IFC drawing changes - Section 2A - Ducting and	256,573	168,773	115,458	256,573	X													
594A						2A		IFC drawing changes - Section 2A - Ducting and	15,000	9,750	6,750			15,000												
596						2A		Possession of car park at Haymarket																		
597						2A	61	Removal of soft ground - Technical Quay	74	15	33	74	X													
598						1A		Victoria Dock Entrance Bridge - road safety																		
599						1A	31	Wall IC - Unforeseen ground conditions	1,333	267	600	1,333	X													
600						1A	31	Linksav Road retaining wall 1A - Unforeseen	71,707	14,341	32,268	71,707	X													
601						5A		Bus Gate - Unforeseen ground conditions	2,459	1,599	1,107	2,459	X													
603						1A		Linksav Road - radio mast - to be relocated																		
604						5A	54	Bus Gate - discovery of existing utilities - Street	2,517	503	1,132	2,517	X													
605	97					1A	31	Archaeological Findings West Abutment	484	97	218	484	X													
606	104					1A	31	Archaeological Findings East Abutment	230	46	103	230	X													
607						SW		Tram stops - CEC and tie comments not in																		
608	88					1A		Accommodation Works at plots S1 and S2 at	35,080	22,802	15,786	35,080	X													
610						1A		Abandon lines in the Forth Ports area																		
611						5A	54	Bus Gate existing drainage	3,823	765	1,720	3,823	X													
613						5A		W8 Base Drive RTW - contaminate material	1,204,952	783,219	542,228			1,204,952												
614						SW ON		DDI to FC Drawings - Changes	4,970,323	3,230,710	2,238,845	4,970,323	X													
616						5C	57	AS Utility Works - Slow and protect 4 way	6,019	1,204	2,709	6,019	X													
617								Turning head at depot access road																		
618						5C	58	Del of Access Bridge - lin obstructions	9,481	1,896	4,266	9,481	X													
619						1A	31	Tower Place Bridge East Abutment - discovery	57,078	11,416	25,685	57,078	X													
621						1A	31	Tower Place Bridge - Unforeseen ground	300	675				1,500												
622						1A	31	Tower Place Bridge - Unforeseen ground	80,335	16,067	36,151	80,335	X													
623	100					1A		Work to sewers at retaining Wall 1A - Linksav	20,000	13,000	9,000			20,000												
624						2A		Unforeseen Ground Conditions - change to	50,000	32,500	22,500			41,415												
625						5A		Murrayfield Corridor Retaining Walls Ground	8,585	5,581	3,883	8,585	X													
626						7A		Protection of Sensitive Areas - measures Budget																		
628	101					1A	31	Removal of materials from Flat of Lath House	1,148	230	516	1,148	X													
629						2A		IFC Drawing changes for Section 2 Track																		
630						2A	86	Haymarket Viaduct - Retaining Wall W21 -	5,000	1,000	2,250	4,233	X													
631																										





Project: **Edinburgh Tram Network**  
 as per: **31/12/2010**



**2.09 Payment Status**

PROGRESS		Nc.	Application	Invoiced (Accepted)	Variance Certified	INVOICE			TOTAL	DUE DATE	RECEIVED ON	PAYMENT		REMARKS
PERIOD	PROGRESS					ADVANCE PAYMENT %	RETENTION MONEY %	OTHERS %				excluding VAT		
Actual Performance												0		
1	MONTH	500,000	21,389,899	19,100,000	-2,289,899	0	0	0	19,100,000	30/06/2008			0	
May-08	ACCLM	500,000	21,389,899	19,100,000	-2,289,899	0	0	0	19,100,000				0	
2	MONTH	1,052,000	2,414,100	2,289,899	-124,201	0	0	0	2,289,899	15/07/2008	04/06/2008		19,100,000	
Jun-08	ACCLM	1,552,000	23,803,998	21,389,899	-2,414,100	0	0	0	21,389,899				19,100,000	
3	MONTH	-1,552,000	-23,803,998	-21,389,899	2,414,100	0	0	0	-21,389,899	11/08/2008	04/07/2008		2,289,899	
Jul-08	ACCLM					0	0	0	0				21,389,899	
4	MONTH	4,348,256	26,720,722	25,784,259	-936,463	0	0	0	25,784,259	11/09/2008	01/08/2008		4,394,360	
Aug-08	ACCLM	4,348,256	26,720,722	25,784,259	-936,463	0	0	0	25,784,259		29/08/2008		25,784,259	
5	MONTH	1,046,633	971,518	739,994	-231,525	0	0	0	739,994	08/10/2008	29/09/2008		739,994	
Sep-08	ACCLM	5,394,889	27,692,240	26,524,252	-1,167,988	0	0	0	26,524,252				26,524,252	
6	MONTH	3,339,638	705,826	809,079	103,253	0	0	0	809,079	14/11/2008	31/10/2008		809,079	
Oct-08	ACCLM	8,734,527	28,398,066	27,333,331	-1,064,735	0	0	0	27,333,331				27,333,331	
7	MONTH	1,724,602	1,584,058	625,106	-958,953	0	0	0	625,106	22/12/2008			0	
Nov-08	ACCLM	10,459,129	29,982,124	27,958,437	-2,023,688	0	0	0	27,958,437				27,333,331	
8	MONTH	2,480,873	5,108,480	1,116,659	-3,991,821	0	0	0	1,116,659	22/01/2009	08/12/2008		1,741,764	
Dec-08	ACCLM	12,940,002	35,090,604	29,075,095	-6,015,509	0	0	0	29,075,095		23/12/2008		29,075,095	
9	MONTH	584,252	5,960,121	1,858,032	-4,102,089	0	0	0	1,858,032	02/03/2009	30/01/2009		1,858,032	
Jan-09	ACCLM	13,524,254	41,050,724	30,933,127	-10,117,597	0	0	0	30,933,127				30,933,127	
10	MONTH	1,739,311	0	1,288,964	1,288,964	0	0	0	1,288,964	19/03/2009			0	
Feb-09	ACCLM	15,263,565	41,050,724	32,222,091	-8,828,633	0	0	0	32,222,091				30,933,127	
11	MONTH	1,578,820	0	3,532,588	3,532,588	0	0	0	3,532,588	03/04 & 17/04/2009	04/03/2009		2,979,868	
Mar-09	ACCLM	16,842,385	41,050,724	35,754,680	-5,296,045	0	0	0	35,754,680		17/04/2009		33,912,994	
12	MONTH	3,034,909	2,429,613	2,227,854	-201,759	0	0	0	2,227,854	14/05/2009	14/04/2009		1,841,685	
Apr-09	ACCLM	19,877,294	43,480,338	37,982,534	-5,497,804	0	0	0	37,982,534				35,754,680	
13	MONTH	2,268,403	3,383,746	0	-3,383,746	0	0	0	0	05/06/2009	11/05/2009		2,227,854	
May-09	ACCLM	22,145,697	46,864,083	37,982,534	-8,881,549	0	0	0	37,982,534				37,982,534	
14	MONTH	2,048,589	4,050,740	2,264,088	-1,786,652	0	0	0	2,264,088	02/07/2009	03/06/2009		2,264,088	
Jun-09	ACCLM	24,194,286	50,914,824	40,246,623	-10,668,201	0	0	0	40,246,623				40,246,623	
15	MONTH	1,531,274	6,303,137	7,760,338	1,457,200	0	0	0	7,760,338	27/07/2009	02/07/2009		4,560,338	invoiced: regular & Phase 1B
Jul-09	ACCLM	25,725,560	57,217,961	48,006,960	-9,211,001	0	0	0	48,006,960	05/08/2009	28/07/2009		44,806,960	paid: Invoice No 18 & 19
16	MONTH	6,312,045	2,177,338	3,020,906	843,567	0	0	0	3,020,906	25/08/2009	05/08/2009		6,220,906	paid: Phase 1B
Aug-09	ACCLM	32,037,605	59,395,299	51,027,866	-8,367,434	0	0	0	51,027,866		25/08/2009		51,027,866	paid: Regular Invoice
17	MONTH	3,782,691	2,666,077	2,400,346	-265,731	0	0	0	2,400,346	25/09/2009			2,400,346	
Sep-09	ACCLM	35,820,296	62,061,377	53,428,212	-8,633,165	0	0	0	53,428,212				53,428,212	
18	MONTH	3,930,846	5,478,014	5,379,520	-98,494	0	0	0	5,379,520	12/11/2009	27/10/2009		2,194,682	
Oct-09	ACCLM	39,751,142	67,539,390	58,807,732	-8,731,659	0	0	0	58,807,732				55,622,894	
19	MONTH	7,287,813	0	4,173,384	4,173,384	0	0	0	4,173,384	11/12/2009	11/11/2009		3,184,837	
Nov-09	ACCLM	47,038,955	67,539,390	62,981,116	-4,558,274	0	0	0	62,981,116				58,807,732	
20	MONTH	3,634,709	6,183,662	2,737,744	-3,445,918	0	0	0	2,737,744	14/01/2010	11/12/2009		4,173,384	
Dec-09	ACCLM	50,673,664	73,723,052	65,718,860	-8,004,192	0	0	0	65,718,860				62,981,116	
21	MONTH	2,632,320	6,003,862	2,344,664	-3,659,197	0	0	0	2,344,664	10/02/2010	13/01/2010		2,737,744	
Jan-10	ACCLM	53,305,984	79,726,914	68,063,524	-11,663,390	0	0	0	68,063,524				65,718,860	
22	MONTH	4,076,901	4,529,095	2,153,902	-2,375,192	0	0	0	2,153,902	16/03/2010	12/02/2010		2,344,664	
Feb-10	ACCLM	57,382,885	84,256,008	70,217,427	-14,038,582	0	0	0	70,217,427				68,063,524	
23	MONTH	5,170,181	3,493,091	0	-3,493,091	0	0	0	0				2,153,902	
Mar-10	ACCLM	62,553,066	87,749,099	70,217,427	-17,531,672	0	0	0	70,217,427				70,217,427	
24	MONTH	5,755,480	4,407,498	2,654,337	-1,753,160	0	0	0	2,654,337	07/04/2010	07/04/2010		2,654,337	
Apr-10	ACCLM	68,308,546	92,156,597	72,871,764	-19,284,833	0	0	0	72,871,764				72,871,764	
25	MONTH	4,337,247	4,518,158	7,602,958	3,084,800	0	0	0	7,602,958	10/05/2010	07/05/2010		612,967	
May-10	ACCLM	72,645,793	96,674,755	80,474,722	-16,200,033	0	0	0	80,474,722				73,484,731	
26	MONTH	5,491,746	1,126,182	3,083,651	1,957,469	0	0	0	3,083,651	04/06/2010	04/06/2010		3,513,130	
Jun-10	ACCLM	78,137,539	97,800,937	83,558,373	-14,242,564	0	0	0	83,558,373				76,997,861	
27	MONTH	5,112,306	2,634,852	3,166,372	531,521	0	0	0	3,166,372	30/06/2010	01/07/2010		5,615,350	
Jul-10	ACCLM	83,249,845	100,435,788	86,724,745	-13,711,043	0	0	0	86,724,745	02/08/2010	29/07/2010		82,613,211	
28	MONTH	5,778,761	3,091,419	5,459,583	2,368,164	0	0	0	5,459,583	01/09/2010	26/08/2010		1,706,129	
Aug-10	ACCLM	89,028,606	103,527,207	92,184,328	-11,342,879	0	0	0	92,184,328				84,319,339	



Project: **Edinburgh Tram Network**  
 as per: **31/12/2010**



**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				
31	MONTH	2,022,086		3,090,672	2,040,677	-1,049,995	0	0	2,040,677	10/11/2010	15/11/2010	1,803,041	
Nov-10	ACCOLM	100,016,116	35	115,314,017	99,563,458	-15,750,559			99,563,458			90,254,186	
32	MONTH	852,200		1,074,737	1,161,461	86,724	0	0	1,161,461	08/12/2010	16/12/2010	1,508,782	
Dec-10	ACCOLM	100,868,316	36	116,388,754	100,724,919	-15,663,835			100,724,919			91,762,968	
												<b>91,762,968</b>	
												(w/o Advance Payment)	

Project: **Edinburgh Tram Network**as per: **31/12/2010**

## 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	1	33%	7 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	3	75%	
TQA-CEC-BSC-01-2010	26/09/2010	13	0	0%	
TQA-BSC-08-2010	07/12/2010	11	8	73%	

### 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%	8	-	2	-	25%
1B	-	-	-	-	0	-	0	-	0%
1C	13	12	12	92%	13	2	9	-	69%
1D	31	31	29	94%	6	-	3	-	50%
2	33	22	0	0%	14	-	10	-	71%
5A	12	0	0	0%	2	-	2	-	100%
5B	59	34	1	2%	18	-	12	-	67%
5C	27	6	0	0%	7	-	4	-	57%
6	35	27	2	6%	59	1	34	-	58%
7	68	46	11	16%	11	-	8	-	73%
<b>System NCRs (non-audit)</b>					138	3	84	0	61%
<b>Cancelled</b>					10	-	10	-	100%

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

(please describe shortly)

ITP document reviews are ongoing, they are being updated as required and resubmitted to tie for approval. With the cessation of works in many sections ITP's were being reviewed to getting them completed and handed over to BB for filing in the main office until such time as works recommence. New ITP's are currently being drafted for Bridge Parapets and Street Lighting and electrics. Tie carried out an external audit on 7th December. Details of which are outlined in the table above. The Internal Audit Schedule for 2011 was drafted and shall be sent to tie for their review in January. O&M Manual requirements for the depot were defined during the month for discussion with Barr in January.

Project: **Edinburgh Tram Network**

as per: **31/12/2010**



**2.12 Safety Information System - SIS**

**Bilfinger Berger Civil<sup>5</sup> - Monthly Safety Report**

0510

Month	December 2010	Prepared by			Contact phone or email.		
Site or office and Unit <sup>5</sup> Edinburgh Tram Project	<b>BB<sup>1</sup> Managers and Supervisors</b>	<b>BB<sup>1</sup> workers</b>	<b>JV people</b>	<b>Sub-contractors<sup>3</sup></b>	<b>Agency / hired people under BB control</b>	<b>Total</b>	<b>Others, eg public</b>
Number	42		27	218	5	<b>292</b>	
Hours <sup>2</sup>	16548		10,638	62470	1970	<b>91626</b>	
<b>Accidents in this month</b> (if no accidents but a previous accident person is still away from work, write in days lost but leave accident space clear)							
Fatal						<b>0</b>	
Serious: over 3 days off work						<b>0</b>	
Travelling / commuting 3D+						<b>0</b>	
LTI: 1 -3 days off work						<b>0</b>	
1st Aid only						<b>0</b>	
Days lost <sup>6</sup> for this months accidents and any from previous accidents						<b>0</b>	
<b>Incidents</b>							
Causing damage						<b>0</b>	
Environment Ecology / Pollution						<b>0</b>	
Not work related eg flood, bomb scare						<b>0</b>	
Near misses, hazards reported				4		<b>4</b>	
<b>Details of this months Fatal, Serious accidents (3d+) or serious incidents, and any previous non-RTW accidents</b>							
IP Name or incident location/Ref	Employer	Injury / Incident		date of acc / inc	RTW date <sup>4</sup>	Wkg days lost this month/ RTW	
Return to OHS-Wi by <b>8th</b> 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+

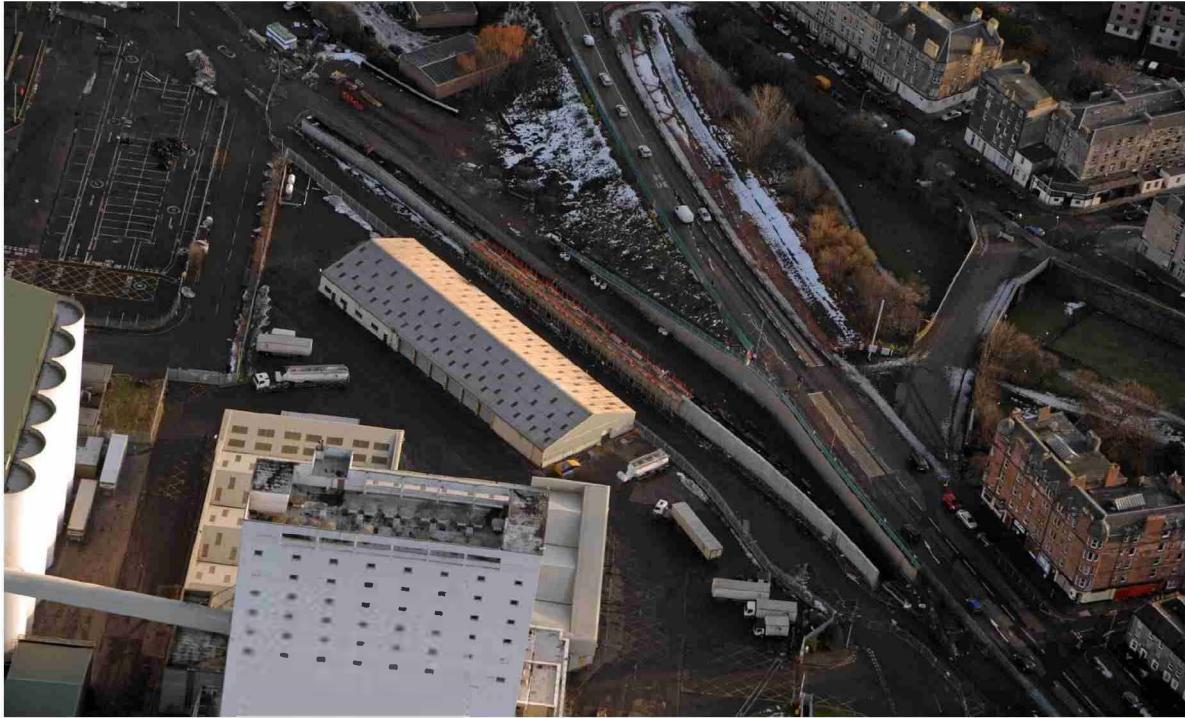


**2.13 Project Photographs**

**Picture 01**

**Section 1A**

**Lindsay Road Retaining Wall 1A1**



**Picture 02**

**Section 1A**

**Tower Place Bridge**





**2.13 Project Photographs**

**Picture 03**

**Section 1A**

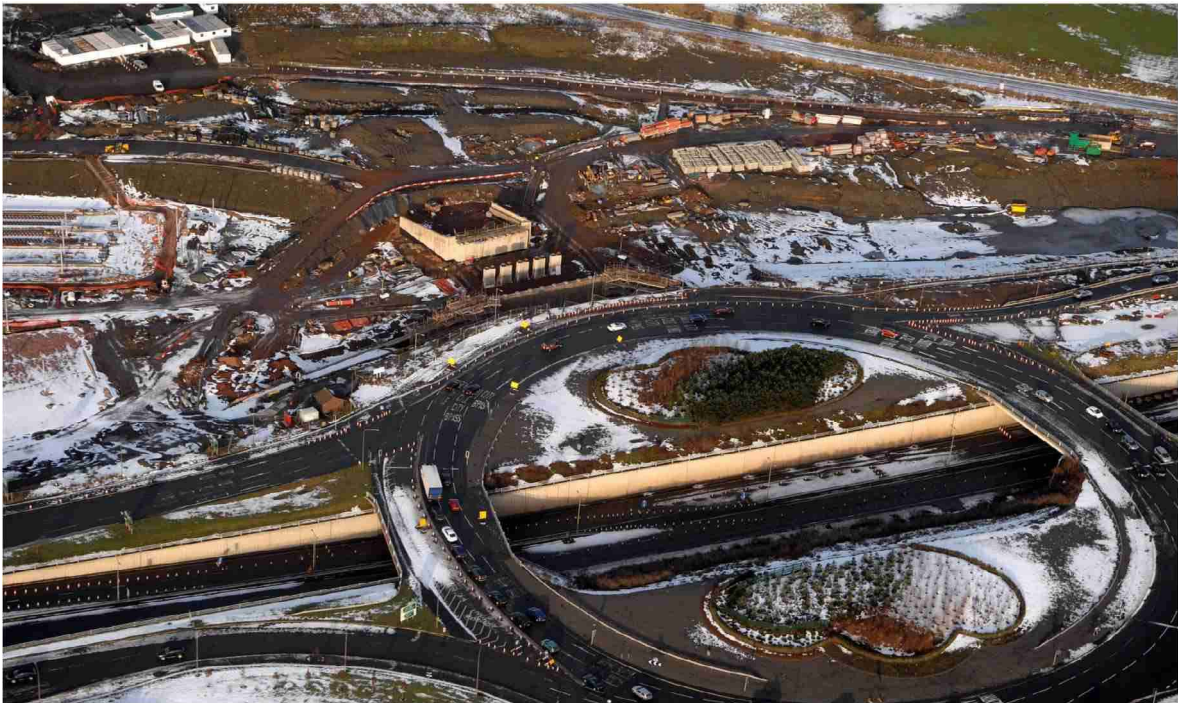
**Tower Place Bridge - Track Widening**



**Picture 04**

**Section 5C**

**Depot Access Bridge - Piers**



**2.13 Project Photographs**

**Picture 05**

**Section 6**

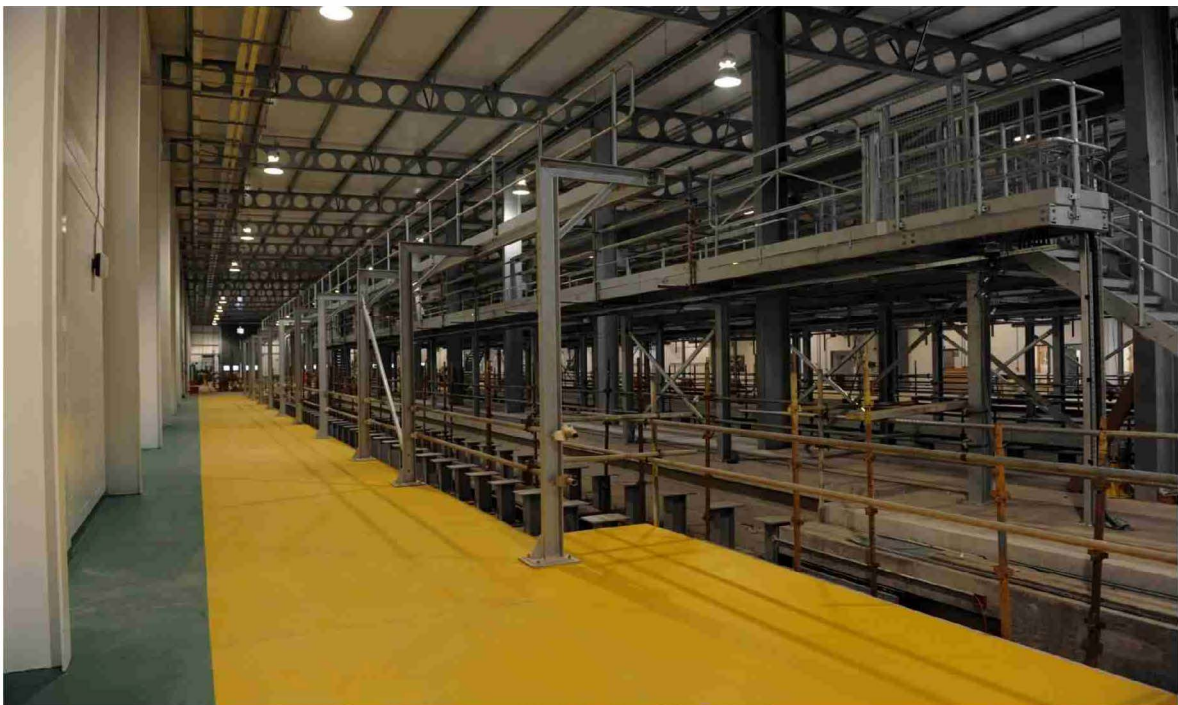
**Depot - Depot Building - Control Room**



**Picture 06**

**Section 6**

**Depot - Depot Building - Maintenance Hall**





**3.01 Overview Movements of Contingencies**

<b>Estimated Risks from Top Sheet (Unqualified Risk Register)</b>		<b>estimated</b>	<b>dissoluted</b>	<b>remaining</b>
		<b>GBP</b>	<b>GBP</b>	<b>GBP</b>
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
<b>total Estimated Risks from Top Sheet (Unqualified Risk Register)</b>		<b>4,599,000</b>	<b>292,824</b>	<b>4,306,176</b>
<b>Estimated Opportunities from Top Sheet (Unqualified Risk Register)</b>				
32.	Changes in Employers Requirements	-100,000		-100,000
33.	Package Contractors Interface	-10,000		-10,000
<b>total Estimated Opportunities from Top Sheet (Unqualified Risk Register)</b>		<b>-110,000</b>	<b>0</b>	<b>-110,000</b>
<b>Additional Estimated Risks</b>				
34.	Interface Systems & Civils	1,000,000	0	1,000,000
<b>total Additional Estimated Risks</b>		<b>1,000,000</b>	<b>0</b>	<b>1,000,000</b>
<b>Estimated Escalations</b>				
35.	Escalation - Farrans 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
<b>total Additional Estimated Escalations</b>		<b>5,165,340</b>	<b>1,425,046</b>	<b>3,740,294</b>
<b>Contingencies released</b>				
38.	Overall Adjusted in Job Estimate 10/2009	0	3,916,682	-3,916,682
<b>total Additional Estimated Escalations</b>		<b>0</b>	<b>3,916,682</b>	<b>-3,916,682</b>
<b>total</b>		<b>10,654,340</b>	<b>5,634,552</b>	<b>5,019,788</b>

**3.02 Design - Drawing Status**

No.	Description Status acc. Sections	Sections							Phase		Total
		SW	1	2	3	5	6	7	1a incl. SW	1b excl. SW	
<b>Original SDS Design:</b>											
1	Draft, to be issued for construction										
2	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
<b>New Design for Change Order:</b>											
21	Draft, to be issued for construction	9							12		12
22	Issued for External Approval (IFEA), to be IFC	17	178	24	-	98	1	36	354		354
23	Issued for Construction (IFC)	102	563	120	-	803	305	185	2,078		2,078
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										
Total (1~3+5~52)		128	741	144	586	901	306	224	3,030	586	3,616
<b>Original SDS Design:</b>											
Issued for Construction (3+5~8+43+46)					261				261	261	261
Total Issue for Construction (1~3+5~8+41~46)					390				390	390	390
Percentage of Completion IFC					66.92%				66.92%	66.92%	66.92%
<b>SDS Design incl. Change Orders:</b>											
IFC incl. new Issues for CO (3+5~8+23~28+43+46)		102	563	120	261	803	305	185	2,078	261	2,339
Total IFC incl. new Issues for CO (1~3+5~8+21~28+41~46)		128	741	144	390	901	306	224	2,444	390	2,834
Percentage of Completion IFC		79.7%	76.0%	83.3%	66.9%	89.1%	99.7%	82.6%	85.0%	66.9%	82.5%
<b>Percentage of Completion under consideration of IDR</b>		<b>91.6%</b>	<b>97.6%</b>	<b>98.3%</b>	<b>96.7%</b>	<b>98.9%</b>	<b>100.0%</b>	<b>97.1%</b>	<b>98.2%</b>	<b>96.7%</b>	<b>98.0%</b>