

# EDINBURGH TRAM NETWORK

## Monthly Project Report October 2011



## Monthly Report Major Projects

**Project: Edinburgh Tram Network**

**Reporting Period: October 2011**

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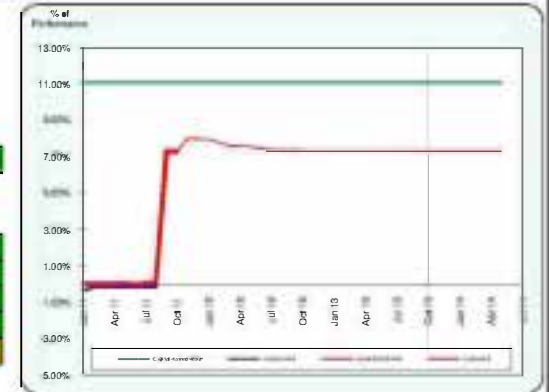
1.01 Project Overview Charts



Performance

	Contract Plan (Rev.1)	Revised Plan (actual)	Forecast (Rev 4)	Actual	Status Figures	
Construction start date	15-May-08			15-May-08	0.0 month	green
Construction end date	16-Jul-11	08-Jul-14	08-Jul-14			
Total contract value [GBPx1000]	141,509			271,829		
Claims / Variations approved				286		
Claims / Variations not approved				665		
Performance		123.353		124,409	100.9%	green
Actual Cost to Date				115,342	99.9%	green
Result	11.07%	7.23%	7.23%	7.29%	0.00%	green
Payment Status		123,356		125,415	101.7%	green
Av.Perf/mth: Rem. & act. 3mth			4.607	4,458		yellow

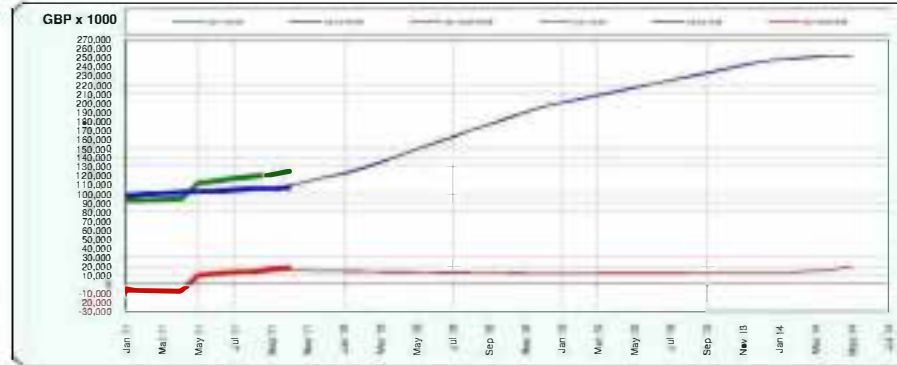
Project Key Figures



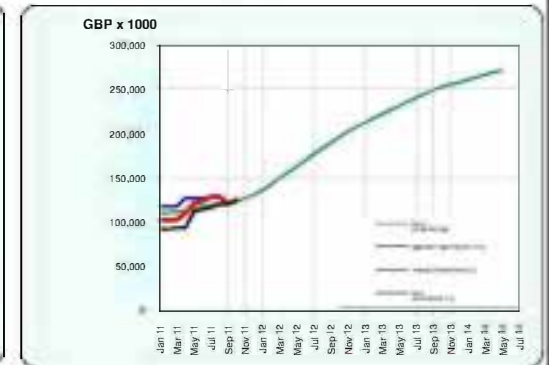
Project Result



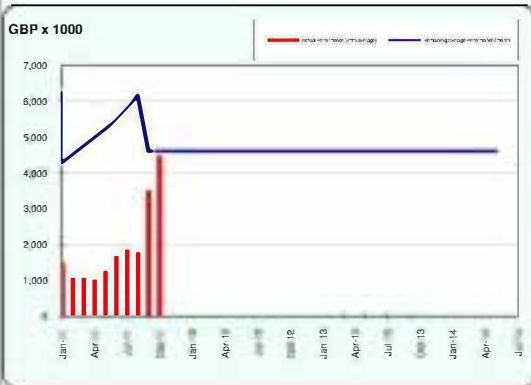
Project Cost



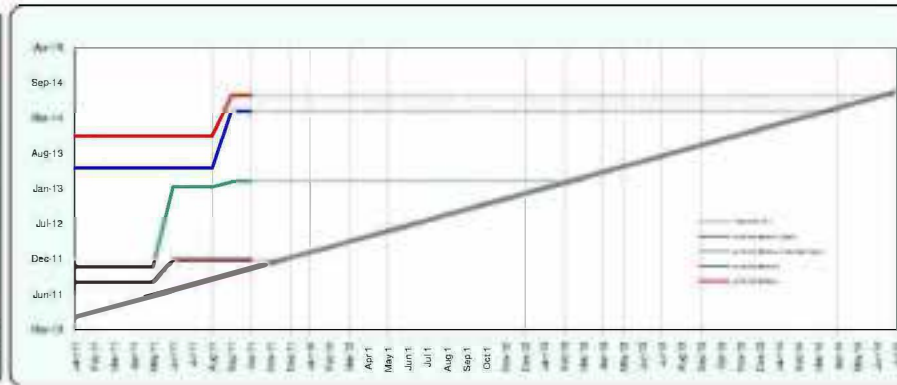
Cashflow



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 October works were performed in accordance with the agreed Programme Rev4.

Actual performance:	£4,457,944
Planned performance:	<u>£3,771,000</u>
Variance:	£686,944

### 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	£9,067,263	or	7.29%
The forecast/planned result shows	£19,658,537	or	7.23%
in the R&O Sheet the project will result in a weighted margin of	£25,048,821	or	9.11%

### 1.2.4 Payment Status

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

Invoiced net to the client:	£125,414,660
Paid net from the client:	<u>£125,414,660</u>
Variance	£0

### 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:	£126,201,439.54	(incl. interest income)
Cash out net:	£107,439,845.45	
Cash balance net:	£18,761,594.09	

### 1.2.6 Contingencies

The value for the remaining in the tender estimated contingencies is stable about:

£5,040,000.00 (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 (16th December 2011 - Rev. 3A)  
 Sectional B Completion Date by 08th March 2013 (07th February 2013 - Rev. 3A)  
 Sectional C Completion Date by 09th April 2014 (19th February 2014 - Rev. 3A)  
 Sectional D Completion Date by 08th July 2014 (20th May 2014 - Rev. 3A)

### 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 99.4% complete. 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. Further instructions to perform additional conceptual design options were received and will be completed by early next year.</p> <p><u>Procurement :</u> All new subcontract arrangements are finally negotiated with anticipation to sign the remaining Subcontracts by November.</p> <p><u>Construction :</u> During October works were performed in accordance with the agreed Programme Rev4.</p> <p><u>Contract :</u> 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 Contract Amount of £ 271.542.291.</p> <p>The Settlement Agreement is based on Programme Rev. 4 (approved) and the commercial implications of this change (Rev. 3A to Rev. 4) to be regulated by a Change Order.</p> <p>In October 7 Change Orders (Design) were received with an total amount of £ 286,328.</p>		
<b>1.3.2</b>	<b>Significant extraordinary events</b>		
	<u>Date</u>	<u>Description</u>	<u>Remarks</u>
<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>
<b>1.3.4</b>	<b>Status on Major Unapproved Claims / Variations / Changes</b>		
	Several changes have been notified until 31/10/2011 (see list Unapproved Changes).		

**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	08-Jul-14	1,088 days	
	0	Total excl. Site Removal	38.0 month	73.8 month	194.0 %	
Currency:	GBP Rp. (all amounts without V.A.T.)	Expired construction time	41.5 month	41.5 month	56.3 %	
Rate of Exchange Top Sheet:	1 GBP = 1.11 EUR	Actual:	1.16 EUR	Performance to date	124,408,811 GBP	45.8 %

2. Total Contract Value		Date of Contract	Total Previous Month	October 2011	Total Reporting Month
Contract Value with Client (revised evaluation)	271,542,291 (incl. SDS NovaAgree)	100.00%	271,542,291	286,328	271,828,619
Contract Value with 3rd Parties (without interest)			0	0	0
			271,542,291	286,328	271,828,619

3. Approved Changes total		Total Previous Month	October 2011	Total Reporting Month
		0	286,328	286,328

3a. Provisional Sums		Total Previous Month	October 2011	Total Reporting Month

3b. Claims and Variations		Total Previous Month	October 2011	Total Reporting Month
Claims and Variations approved (= Total VO's Approved - 3a Provisional Sums)		0	286,328	286,328
Claims and Variations submitted but not approved yet		0	665,001	665,001
Claims and Variations under preparation		0	0	0

4a. Performance		Total Previous Month	October 2011	Total Reporting Month
Performance for Actual Contract Value with Client		119,582,161	4,826,650	124,408,811
Performance for 3rd Parties (without interest)		0	0	0
Total Performance to Date		119,582,161	4,826,650	124,408,811
Remaining Performance to Date		151,960,130		147,419,808
Actual Planned Performance (Planned Performance per report date - Performance Last Month)		119,582,161	3,771,127	123,353,288

4b. Cost		Total Previous Month	October 2011	Total Reporting Month
Actual Cost at Reporting Date		110,873,176	4,468,372	115,341,548

5. Result		Date of Contract	Total Previous Month	October 2011	Total Reporting Month
Planned Result for Contract with Client (revised evaluation)	19,632,508	7.23%	19,632,508	20,702	19,653,209
Actual Result at Reporting Date			8,708,985	358,278	9,067,263
Forecast Result at the End of Contract			19,632,508	20,702	19,653,209
Weighted Result at the End of Contract (Likely Case)			25,022,792	26,029	25,048,821

6. Invoices, Payment and Bank account		Total Previous Month	October 2011	Total Reporting Month	
Application to the client - excl. VAT	incl. Ret. Money	139,349,623	111.11%	121,622,997	44.79%
Certified by the client (Invoice) - excl. VAT	incl. Ret. Money	139,349,623	111.11%	121,622,997	44.79%
Cash in from the client - excl. VAT	excl. Ret. Money	-1,254,146,603	111.11%	121,622,997	44.79%
Cash in from 3rd Parties - excl. VAT				0	0.00%
Interest income				766,924	0.64%
Cash out (excl. VAT)				105,726,976	38.94%
Net Liquidity	creditline	0	0%	16,662,945	6.14%

7. Subcontractor Work (incl. Design)		Total Previous Month	October 2011	Total Reporting Month
Total Portion of Subcontractor Budget (first evaluation)	60,353,024 (incl. SDS)	22.23%	186,628,491	260,298
Total Amount of signed Subcontracts incl. approved Variation Order			0	0
Total Subcontractor Result to date			0	0
Actual Subcontractor Costs to date (incl. Accruals)			0	0
Therefrom invoiced to date			0	0

**8. Actual Forecast for Performance and Result in TSD GBP**

Performance	Original planned			
	2008	2009	2010	2011
Jan		1,706	2,786	2,346
Feb		2,526	4,026	2,026
Mrz		3,526	5,026	2,526
Apr		4,526	5,276	2,526
Mai	855	5,776	6,026	2,526
Jun	1,355	5,776	6,526	1,026
Jul	2,375	5,776	6,526	1,026
Aug	2,855	6,026	6,526	
Sep	3,055	4,626	6,526	
Okt	2,855	4,026	6,526	
Nov	1,535	2,526	5,026	
Dez	1,446	1,866	1,706	
Total	16,334	48,678	62,498	13,999

	Actual / Forecast				
	2008-2010	2011	2012	2013	2014
		1,573	5,593	4,744	2,812
		815	6,092	4,765	2,805
2008		788	6,577	4,727	2,778
	12,940	1,424	6,741	4,738	2,820
		1,574	6,733	4,591	1,854
2009		2,056	6,786	4,553	
	37,734	1,937	6,746	4,545	
		1,355	6,431	4,536	
2010		7,192	6,486	4,536	
	50,195	4,827	6,482	2,882	
		4,279	6,197	2,837	
		3,388	5,539	2,827	
Total	100,868	31,207	76,404	50,282	13,068


Yearly Forecast		
Performance and Result in 2008-2010		
Performance	100,868,316	37.1%
Result	0	
Performance and Result in 2011		
Performance	31,206,519	11.5%
Result	10,528,219	33.74%
Performance and Result in 2012		
Performance	76,403,577	28.1%
Result	4,810,596	6.30%
Performance and Result in 2013		
Performance	50,281,874	18.5%
Result	3,635,180	7.23%
Performance and Result in 2014		
Performance	13,068,329	4.8%
Result	944,840	7.23%
Total Performance and Result		
Performance	271,828,615	100.0%
Result	19,918,835	7.33%

Edinburgh, 16/11/2011  
Place and Date M Foerder, Project Director  
Edinburgh, 16/11/2011  
Place and Date C C. Foerder, 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	271,829	271,829	271,829	1	Actual Cost Forecast according to Job Site Estimate incl. cost for integrated Changes	-252,169	-252,169	-252,169
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	Prolongation Rev3A to Rev4	-2,737	-2,737	-2,737
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				
Σ 4	Risks not included in JSE	0	0	0	Σ 4	Risks not included in JSE	-2,737	-2,737	-2,737
5.1	Prolongation Rev3A to Rev4	3,010	3,010	3,010	5.1	Saving on Contingencies	5,040	3,789	0
5.2					5.2	Savings on Uninsured Economic Losses	1,980	1,000	0
5.3					5.3	Interest Income	489	326	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				
Σ 5	Chances	3,010	3,010	3,010	Σ 5	Chances	7,509	5,115	0
6 =1+3+4+5	Forecast Final Revenue	274,839	274,839	274,839	6 =1+3+4+5	Forecast Final Costs	-247,397	-249,790	-254,906

	Costs	best case	likely case	worst case
Forecast Final Result ( <b>best case</b> ) (Revenue Best Case + Forecast Cost all cases)	Revenue Costs Result	274,839 -247,397 27,442		
% Gross Margin based on Revenue Best Case	Revenue: 274,839	9.98%		
Forecast Final Result ( <b>most likely case</b> ) (Revenue most likely case + Forecast Costs all cases)	Revenue Costs Result		274,839 249,790 25,049	
% Gross Margin based on Revenue Likely Case	Revenue: 274,839		9.11%	
Forecast Final Result ( <b>worst case</b> ) (Revenue worst case + Forecast Costs all cases)	Revenue Costs Result			274,839 -254,906 19,933
% Gross Margin based on Revenue Worst Case	Revenue: 274,839			7.25%
Gross Margin previous month ( <b>most likely case</b> )		9.99%	9.11%	7.25%

	Project: <b>Edinburgh Tram Network</b> as per: <b>31/10/2011</b>	
<b>2.01 Cost Reconciliation Sheet</b>		
<b>see following pages</b>		



Project: GB-2006-1001AK40 Edinburgh Tram Network 2011\_10  
Reporting Month: 42. Report Period: 31/10/2011

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 I(%)JC-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 Agreed VO's AQty. 16	Budget unappr. VO's AQty. 17	Budget Total AQty. 18=15+16+17	Revised DJC AQty. 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
<b>Evaluation with Activity Model: Rev.6_20110930</b>																							
25.1.201.12	SECTION 1C	26,455	2,383	28,838	0	0	-28,838	0	-28,838	28,838	0	-28,838	8,550,000	8,550,000	0	0	8,550,000	8,550,000	0.00 %	8,550,000	8,578,838	-28,838	-28,838
25.1.201.14	SECTION 1D	913,975	-616,800	297,175	140,936	0	-156,239	140,936	-156,239	297,175	0	-297,175	9,800,000	9,800,000	0	0	9,800,000	9,800,000	1.44 %	9,659,064	9,956,239	-156,239	-156,239
25.1.201.15	SECTION 1C D- SITEWIDE	14,580	290,467	305,047	489,434	0	184,387	489,434	184,387	139,413	0	-139,413	8,276,798	8,276,798	0	0	8,276,798	8,276,798	5.91 %	7,787,364	8,092,411	184,387	184,387
1.1	CONSTRUCTION ON STREET Rev.5	955,010	-323,950	631,060	630,370	0	-690	630,370	-690	465,426	0	-465,426	26,626,798	26,626,798	0	0	26,626,798	26,626,798	2.37 %	25,996,428	26,627,488	-690	-690
25.1.201.31	Section 1A	3,402,627	6,617	3,409,244	3,397,890	0	-11,354	3,397,890	-11,354	4,658	0	-4,658	6,600,000	6,600,000	0	0	6,600,000	6,600,000	51.48 %	3,202,110	6,611,354	-11,354	-22,055
25.1.201.40	Section 1 B	476,492	795	477,287	588,685	0	111,398	588,685	111,398	0	0	0	588,685	588,685	0	0	588,685	588,685	100.00 %	0	477,287	111,398	111,398
25.1.201.45	Section 1C D	1,232,175	558,151	1,790,326	1,557,392	0	-232,934	1,557,392	-232,934	151,816	0	-151,816	3,311,098	3,311,098	0	0	3,311,098	3,311,098	47.04 %	1,753,706	3,544,030	-232,934	-495,183
25.1.201.96	PSSA- PRINCES STREET SUPPL.	11,899,259	944,179	12,843,438	12,833,439	0	-9,999	12,833,439	-9,999	235,800	0	-235,800	12,833,439	12,833,439	0	0	12,833,439	12,833,439	100.00 %	0	12,833,439	12,833,439	12,833,439
1.2	CONSTRUCTION ON STREET orig.	17,000,553	1,509,742	18,510,295	18,377,406	0	-132,889	18,377,406	-132,889	392,274	0	-392,274	23,333,222	23,333,222	0	0	23,333,222	23,333,222	78.76 %	4,955,816	23,466,111	-132,889	-405,839
25.1.201.54	SECTION ABC- Track, Transm...	2,848,453	144,085	2,992,538	2,926,241	0	-66,297	2,926,241	-66,297	276,019	0	-276,019	17,393,667	17,393,667	0	0	17,393,667	17,393,667	16.82 %	14,467,426	17,459,964	-66,297	-394,156
25.1.201.58	SECTION 5ABC Structures	17,203,114	1,675,381	18,878,495	18,868,112	0	-10,383	18,868,112	-10,383	2,185,229	0	-2,185,229	40,292,415	40,292,415	0	0	40,292,415	40,292,415	46.83 %	21,424,303	40,302,798	-10,383	-22,172
25.1.201.61	SECTION 3	7,387,351	597,994	7,985,345	7,931,082	0	-54,263	7,931,082	-54,263	0	0	0	25,733,810	25,733,810	0	0	25,733,810	25,733,810	30.82 %	17,802,728	25,888,814	-54,263	-17,606
25.1.201.62	SECTION 7	6,777,599	442,610	7,220,209	7,257,091	0	36,882	7,257,091	36,882	316,161	0	-316,161	16,637,298	16,637,298	0	0	16,637,298	16,637,298	43.62 %	9,980,207	16,800,416	38,882	84,553
25.1.201.63	SECTION 6	16,153,261	1,304,646	17,457,907	17,454,494	0	-3,413	17,454,494	-3,413	71,542	0	-71,542	17,539,988	17,539,988	0	0	17,539,988	17,539,988	99.51 %	85,494	17,543,401	-3,413	-3,430
1.3	CONSTRUCTION OFF-STREET	50,369,778	4,164,716	54,534,494	54,437,020	0	-97,474	54,437,020	-97,474	3,294,887	0	-3,294,887	117,597,178	117,597,178	0	0	117,597,178	117,597,178	46.29 %	63,160,158	117,694,652	-97,474	-511,269
25.1.201.21	TTM	3,646,887	-158,612	3,488,275	3,578,002	0	89,727	3,578,002	89,727	-306,859	0	306,859	4,290,834	4,290,834	0	0	4,290,834	4,290,834	83.39 %	712,832	4,201,110	89,727	107,599
1.4	SECTION WIDE	3,646,887	-158,612	3,488,275	3,578,002	0	89,727	3,578,002	89,727	-306,859	0	306,859	4,290,834	4,290,834	0	0	4,290,834	4,290,834	83.39 %	712,832	4,201,110	89,727	107,599
	DIRECT JOB COSTS	71,972,228	5,191,896	77,164,124	77,022,798	0	-141,326	77,022,798	-141,326	3,845,728	0	-3,845,728	171,848,032	171,848,032	0	0	171,848,032	171,848,032	44.82 %	94,825,234	171,989,358	-141,326	-810,198
25.1.201.42	MARKET OFFICE	415,590	-18,466	397,124	413,403	0	16,279	413,403	16,279	7,693	0	-7,693	1,030,622	1,030,622	0	0	1,030,622	1,030,622	40.11 %	617,219	1,014,343	16,279	40,586
25.1.201.53	EDINBURGH PARK STORAGE	1,303,290	9,698	1,312,988	1,360,958	0	47,970	1,360,958	47,970	10,773	0	-10,773	1,716,758	1,716,758	0	0	1,716,758	1,716,758	79.27 %	355,800	1,668,788	47,970	60,515
25.1.201.64	CONSULTING OFFICE	3,262,746	26,982	3,289,728	3,319,036	0	29,308	3,319,036	29,308	76,013	0	-76,013	6,304,886	6,304,886	5,315	0	6,310,201	6,310,201	52.60 %	2,991,165	6,280,891	29,308	55,719
25.1.201.65	STAFF	17,884,167	50,368	17,934,535	17,989,486	0	54,951	17,989,486	54,951	334,107	0	-334,107	33,262,345	33,262,345	28,079	0	33,290,424	33,290,424	54.04 %	15,300,938	33,235,473	54,951	101,686
25.1.201.66	DESIGN	10,382,797	50,000	10,432,797	10,366,914	0	-65,883	10,366,914	-65,883	90,022	0	-90,022	14,780,459	14,780,459	2,12,252	0	14,992,711	14,992,711	69.15 %	4,625,797	15,038,594	-45,883	-68,353
25.1.201.67	FINANCE	477,576	80,864	558,440	615,966	0	57,526	615,966	57,526	-2,171	0	2,171	10,683,311	10,683,311	9,005	0	10,692,316	10,692,316	5.76 %	10,078,950	10,634,790	57,526	57,526
25.1.201.68	ORIGINAL TENDER	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	3,641,480	86,559	3,728,039	3,774,725	0	46,686	3,774,725	46,686	106,209	0	-106,209	6,699,591	6,699,594	5,641	0	6,705,241	6,705,241	56.30 %	2,930,516	6,658,555	46,686	82,924
	DIRECT JOB COST	37,891,421	286,005	38,177,426	38,384,263	0	206,837	38,384,263	206,837	622,646	0	-622,646	75,021,750	75,021,750	260,298	0	75,282,048	75,282,048	50.99 %	36,897,765	75,075,211	206,837	332,602
25.1.201.72	RISKS & OPPORTUNITIES	0	0	0	0	0	0	0	0	0	0	0	5,040,000	5,040,000	0	0	5,040,000	5,040,000	0.00 %	5,040,000	5,040,000	0	0
	CONTINGENCIES	0	0	0	0	0	0	0	0	0	0	0	5,040,000	5,040,000	0	0	5,040,000	5,040,000	0.00 %	5,040,000	5,040,000	0	0
<b>Total</b>		<b>109,863,649</b>	<b>5,477,901</b>	<b>115,341,550</b>	<b>115,407,061</b>	<b>0</b>	<b>65,511</b>	<b>115,407,061</b>	<b>65,511</b>	<b>4,468,374</b>	<b>0</b>	<b>-4,468,374</b>	<b>251,909,782</b>	<b>251,909,782</b>	<b>260,298</b>	<b>0</b>	<b>252,170,080</b>	<b>252,170,080</b>	<b>45.77 %</b>	<b>136,763,019</b>	<b>252,104,569</b>	<b>65,511</b>	<b>-477,597</b>

Project: GB-2006-1001AK40 Edinburgh Tram Network 2011\_10  
Reporting Month: 42. Report Period, 31/10/2011

**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 I(×)DJC-Rate 9	Variance to Date 10=9-5	Actual Cost with Accruals 11	Actual Allowable 12	Variance 13=12-11	Budget Original W Qty. 14	Budget Orig. Contr. with A Qty. 15	Budget Agreed VO's A Qty. 16	Budget unappr. VO's A Qty. 17	Budget Total A Qty. 18=15+16+17	Revised DJCt A Qty. 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
<b>Total Cost incl. Prime Cost Sums</b>		109,863,647	5,477,901	115,341,548	115,407,060		65,512	115,407,060	65,512	4,468,372	-4,468,372	251,909,782	251,909,782	260,298		252,170,080	252,170,080	45.8 %	136,763,020	252,104,568	65,512	143,039	
<b>Prime Cost Sums 0 / 0</b>																							
<b>Total Cost without Prime Cost Sums</b>		109,863,647	5,477,901	115,341,548	115,407,060		65,512	115,407,060	65,512					260,298		252,170,080	252,170,080		136,763,020	252,104,568			

**REMEASURED CONTRACT:**

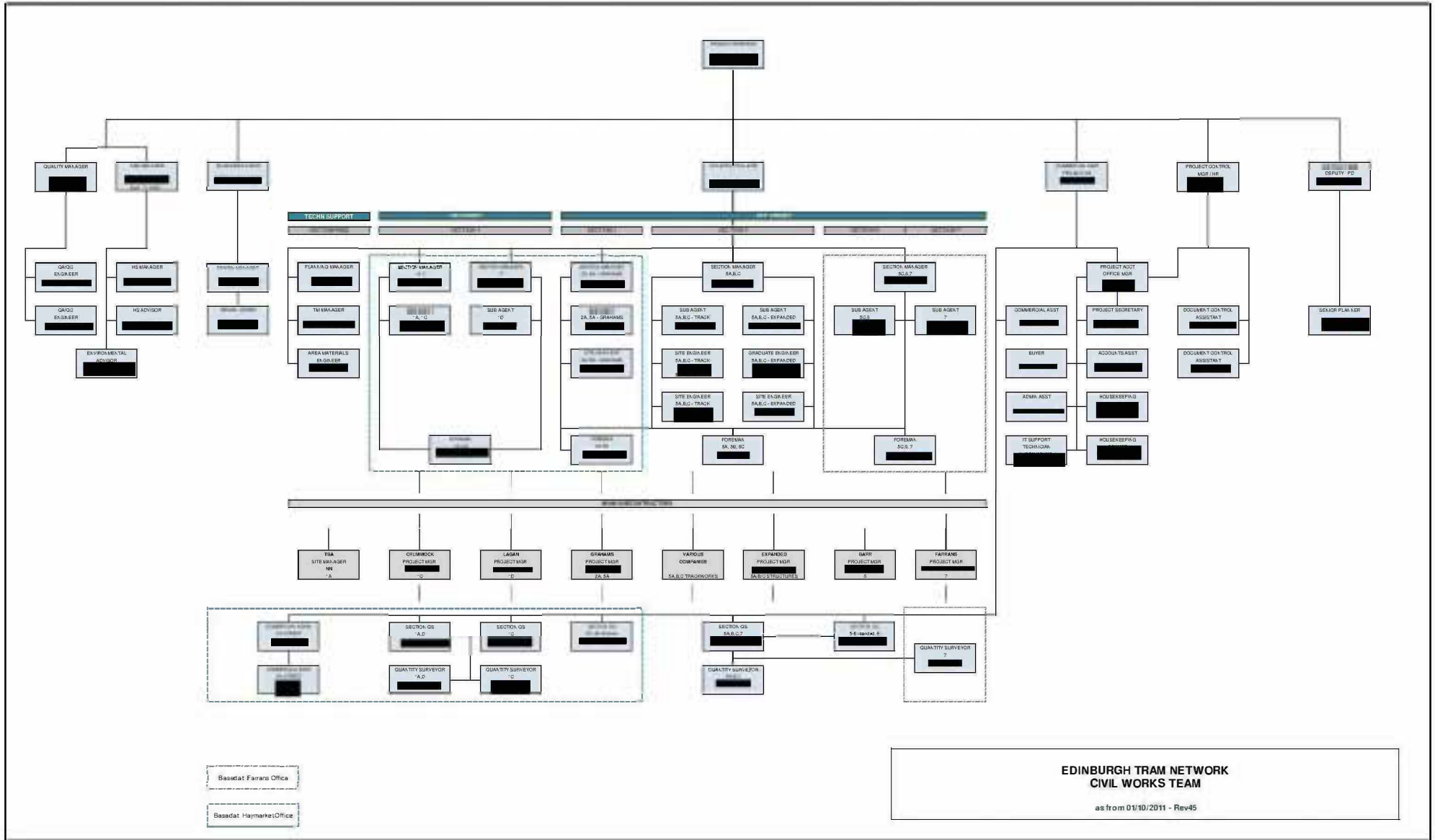
**Gross Margin original Contract and agreed VO's (PF = 1.0780, PFB = 1.0780)**

<b>Total Cost without Prime Cost Sums</b>	115,341,548	115,407,060	115,407,060	251,909,782	251,909,782	260,298	252,170,080	252,170,080	252,104,568
Gross Margin	9,001,751	9,001,751	9,001,751	19,632,509	19,632,509	26,030,000	19,658,539	19,658,539	19,734,051
Gross Margin in % of Performance	7.24 %	7.24 %	7.24 %	7.23 %	7.23 %	9.09 %	7.23 %	7.23 %	7.26 %
<b>Performance without Prime Cost Sums</b>	124,408,811	124,408,811	124,408,811	271,542,291	271,542,291	286,322	271,828,619	271,828,619	271,828,619
<b>Actual Cost to date</b>	115,341,548	115,341,548	115,341,548						
Gross Margin to date	9,067,263	9,067,263	9,067,263						
Gross Margin to date in % of Performance	7.29 %	7.29 %	7.29 %						
<b>Performance Prime Cost Sums</b>									
Total Performance	124,408,811	124,408,811	124,408,811	271,542,291	271,542,291	286,322	271,828,619	271,828,619	271,828,619
Revenue according WBS									

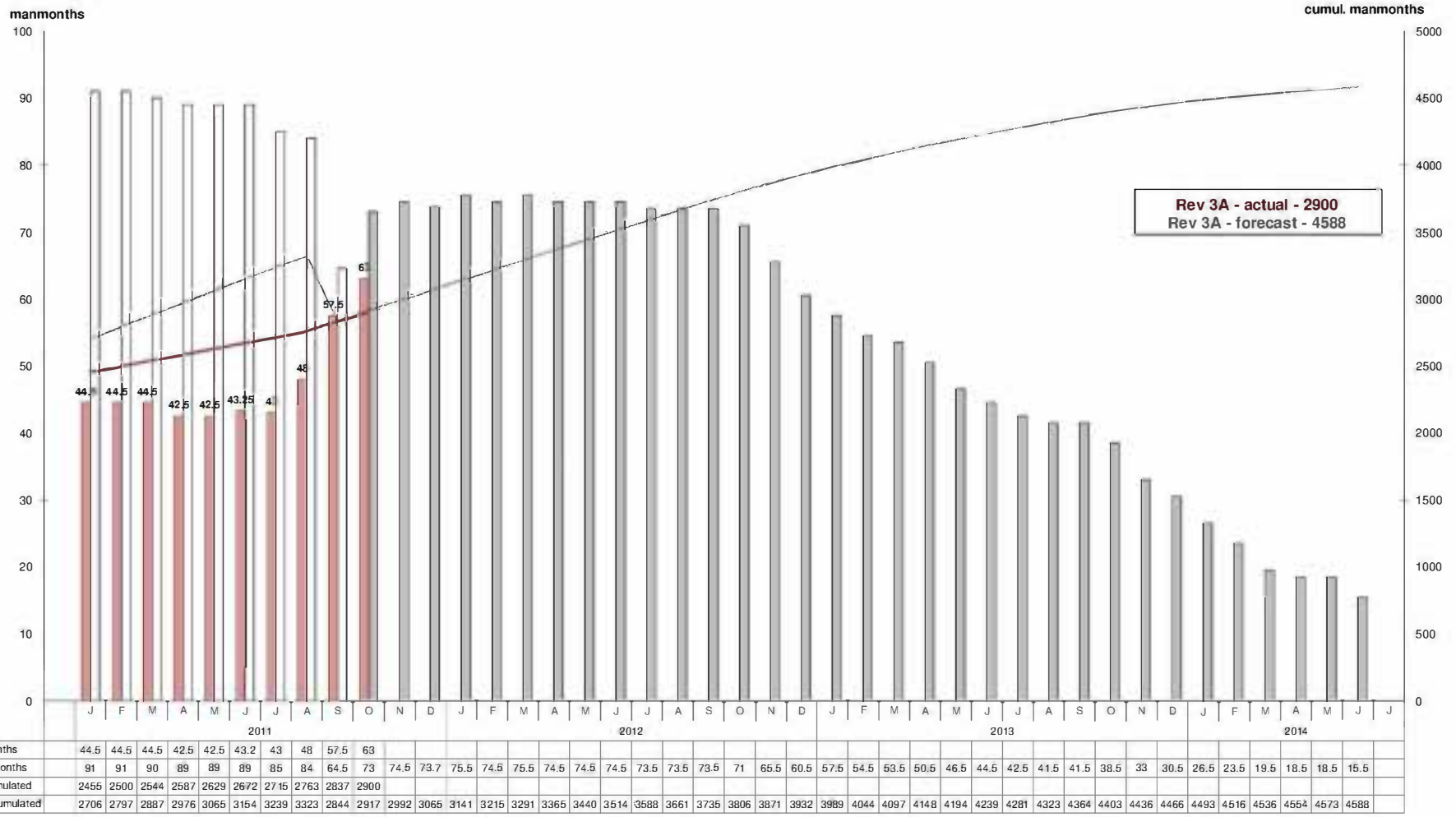
**Gross Margin (weighted) original Contract, agreed and valued VO's (PF = 1.0780, PFB = 1.0780)**

<b>Total Cost without Prime Cost Sums</b>	115,407,060	115,407,060	115,407,060	251,909,782	251,909,782	260,298	252,170,080	252,170,080	252,104,568
Gross Margin	9,001,751	9,001,751	9,001,751	19,632,509	19,632,509	26,030,000	19,658,539	19,658,539	19,734,051
Gross Margin in % of Performance	7.24 %	7.24 %	7.24 %	7.23 %	7.23 %	9.09 %	7.23 %	7.23 %	7.26 %
<b>Valued Performance without Prime Cost Sums</b>	124,408,811	124,408,811	124,408,811	271,542,291	271,542,291	286,322	271,828,619	271,828,619	271,828,619
<b>Actual Cost to date</b>	115,341,548	115,341,548	115,341,548						
Gross Margin to date	9,067,263.00	9,067,263.00	9,067,263.00						
Gross Margin to date in % of Performance	7.29 %	7.29 %	7.29 %						
<b>Performance Prime Cost Sums (incl. valued performance)</b>									
Total Performance (incl. valued performance)	124,408,811	124,408,811	124,408,811	271,542,291	271,542,291	286,322	271,828,619	271,828,619	271,828,619
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**

PMC	INC	ICO	EOT	Design	CS1R	Section / Activity	Description	Date Issued	Revenue	Job Estimate Budgets					Remarks	
										EOT	Design	Construction	OH	Margin		Margin In %
1	501	502		✓		1A 66	Additional Cycle Path at Lindsay Road - Hawthornvale	26/10/2011	20,021		14,841		3,360	1,820	9.09%	
2	502	508		✓		1A 66	New Footpath at ocean Drive	26/10/2011	10,231		7,584		1,717	930	9.09%	
4	504	506		✓		1C 66	Inclusion of Blenheim Place redesign (for TRO) within Picardy Place redesign instruction.	26/10/2011	46,247		34,283		7,760	4,204	9.09%	
6	506	503		✓		1C 66	Princes St- new cycle way from The Mound into Princes Street	26/10/2011	9,437		6,996		1,583	858	9.09%	
7	507	504		✓		1C 66	St Andrew Square Public Realm Design finalisation (will follow on from item 15 above)	26/10/2011	135,548		98,648		24,577	12,323	9.09%	
12	512	505		✓		1A 66	Incorporation of AECOM design for Road 7/B (Ocean Terminal Bypass Road)	26/10/2011	54,819		39,797		10,038	4,984	9.09%	
13	508	507		✓		7A 66	New Road Safety Audit to achieve BAA/EAL approval	26/10/2011	10,025		7,432		1,682	911	9.09%	
								<b>TOTALS</b>	<b>286,328</b>		<b>209,581</b>		<b>50,717</b>	<b>26,030</b>	<b>9.09%</b>	
										<b>260,298.18</b>						

Project: **Edinburgh Tram Network**  
as per: **31/10/2011**

**2.08b Unapproved Changes**

						Assessment			Status on unapproved changes				
PMC	TNC	TCO	EOT only	SDS only	Section	Description	Notified	Maximum	assessed	Minimum	Submitted	to be submitted	Remarks
	503				5C	OLE temporary portals at Depot Access Bridge to allow finalisation without Edinburgh Gateway	02/06/2011	16,980	16,980	12,252	16,980	x	
	505				1C	Design of York Place Terminal Point and new runtime modelling. Incorporating New runtime model based on York Place Terminal Agreement (was PMC 14)	13/06/2011	228,653	148,624	102,894	228,653		
	509				1C	Cathedral Lane Substation - change to Henderson Global Design	13/06/2011	233,596	151,837	105,118	233,596		
	520				5C	Track crossing and associated works for SW in vicinity of Depot	19/05/2011	111,767	62,291	43,124	111,767	x	
10	511				5C	Allow for storm water connection from Gogar Lodge to landowners new septic tank. CVI Ref BARR6/015	05/07/2011		3,803	2,633			
14	515, 531				5C	Edinburgh Gateway interace with SP 33kV Cable bank	27/07/2011						
15	513				SWON	Revised Design to minimise utility diversions / conflicts	20/07/2011	43,547	28,306	19,596	43,547		
16	514				SWON	Utility Mapping in Section 1C & 1D as per tie letter INF-CORR 7825/MP containing PWING 14	22/07/2011						
17	516				5C	Additional Watermain requirements at Depot mini test rack reference CVIEXP5C/01	17/09/2011						
18	517				5C	Connect BT ducts underneath existing telecom box as per CVI Ref EXP5C/02	24/09/2011						
19	524				7A	NIL Future Proofing Works - amendments to suit revised NIL requirements	07/09/2011						
20					SW	Programme after Mediation Movement from Rev 3a to Rev 4	15/09/2011						
22	529				5C	Gogar Castle Access Road Realignment	13/10/2011						
23	530					Depot Access Road Turning Head	13/10/2011	30,459	19,798	13,706	30,459		
24					1A	New Cycle Path at Old Port Road	14/10/2011						
25					1D	Utilities affecting the construction of OHLE foundations in Haymarket 'H1'	18/10/2011						
26	525				5C	Allow access for remedials to 250mm dia watermain by others	19/10/2011						
27	526					Tram Delivery Temporary Works	07/10/2011						
28	521				1D	Provide temporary accomodation and Welfare facilities	07/10/2011						
29	522				1D	Protocol for Road Reconstruction works in Haymarket 'H1'	07/10/2011						
30	523				1D	Additional CBR/Plate Testing	07/10/2011						
31					SW	Extension to Edinburgh Park Office to accommodate CEC/Transport Scotland	08/10/2011						
32					1D	Utilities affecting ability to remove site clearance items	21/10/2011						
36					1D	Haymarket H1: BT Fibre Optic Service required Diverted	31/10/2011						
37	528				1D	Haymarket 1 - Silt Trench Excavation to Validate Utilities	19/10/2011						
41	534				SW	Scottish Power "Insurance Ducts" at various locations	31/10/2011						
<b>26</b>	<b>20</b>					<b>TOTALS</b>		<b>665,001</b>	<b>431,639</b>	<b>299,324</b>	<b>665,001</b>		
											submitted	under preparation	
											maximum potential of changes		<b>665,001</b>



## 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	14/09/2011	2	0	0%	9 no. Observations/Suggestions for improvement
ETN QA 11/05 Coffey	10/10/2011	0	0	-	
ETN QA 11/06 NRS	12/10/2011	0	0	-	2 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
TQA-GEC-BSC-01-2010	26/09/2010	13	0	0%	All 13 NCR's responded 30/05/2011, tie response
TQA-BSC-08-2010	07/12/2010	11	10	91%	
TSA-10-03-BSC Design Assurance	29/03/2011	4	2	50%	

### 2. Inspection and Testing

Section	ITPs				Non-Audit NCRs				
	Planned	In-Production	Completed	% Comp'd	Raised		Closed out		
					Total	Month	Total	Month	%
<b>1A</b>	66	9	5	8%	11	-	6	2	55%
<b>1B</b>	-	-	-	-	0	-	0	-	0%
<b>1C</b>	18	17	12	67%	18	1	9	-	50%
<b>1D</b>	31	31	29	94%	4	-	4	-	100%
<b>2</b>	44	34	27	61%	33	10	23	7	70%
<b>5A</b>	12	2	0	0%	4	2	2	-	50%
<b>5B</b>	59	38	1	2%	21	-	15	-	71%
<b>5C</b>	27	18	10	37%	22	-	13	5	59%
<b>6</b>	33	33	15	45%	105	3	86	16	82%
<b>7</b>	73	45	39	53%	17	5	10	1	59%
<b>System NCRs (non-audit)</b>					235	21	168	31	71%
<b>Cancelled</b>					10	-	10	-	100%

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

(please describe shortly)

External Audit findings responses issued to tie were followed up during the month, 1 finding was confirmed as closed. NCR reviews are continuing with the sub contractors and within BB to speed up the closure process. Meetings with the client regarding handover files and documentation are continuing. O&M file compilation for the depot building and its individual parts is continuing with a handover of files carried out on 28th October for review by BB. Discussions have taken place with incoming subcontractors regarding the production of Quality plans for the project. also discussions have taken place with existing subcontractors regarding the review and re issue of their plans should it be necessary. The BB Civil audit as requested by Wiesdaben was undertaken in September, the formal report is added in the Internal auditing section. Work is under way to close the relevant NCR's. 2 no. pre award audits were carried out on subcontractors during the month. The audit report numbers are referenced in the internal auditing section.



Project: **Edinburgh Tram Network**

as per: **31/10/2011**



**2.12 Safety Information System - SIS**

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

Form Nr 0611a

Month	<b>October</b>		Prepared by	[REDACTED]		Contact phone or email	[REDACTED] civil.bilfinger.co.uk	
Site or office and Unit5	<b>BBIB<sup>1</sup> Managers, Supervisors, Foremen</b>	<b>BBIB<sup>1</sup> workers</b>	<b>JV people under BBIB control</b>	<b>Sub-contractors<sup>3</sup></b>	<b>Agency / hired people / BBSE workers eg BIS</b>	<b>Total</b>	<b>Others, eg public</b>	
Number	56		54	207		<b>317</b>		
Hours <sup>2</sup>	12122		11689	44823		<b>68634</b>		

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

**Incidents**

Damage				1		<b>1</b>	Damage to a taxi caused by a gate swinging open
Environment Ecology / Pollution						<b>0</b>	
Not work related eg flood, bomb scare						<b>0</b>	
Near misses, hazards reported						<b>0</b>	

**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 <sup>4</sup>	Cal days lost this month. Max 30

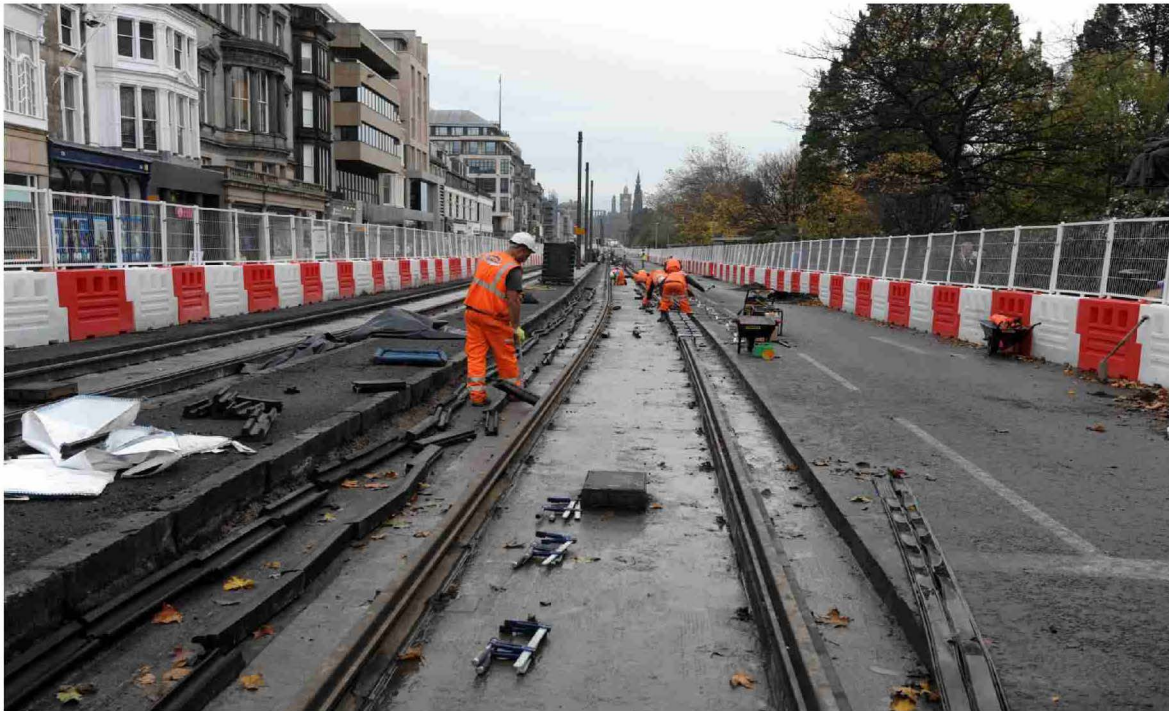
Return to OHS-Wi by **8th** of following month      OHS-Wi email: QM@civil.Bilfinger.com      OHS-Wi fax 0049 (0)611 708 769

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 100. 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

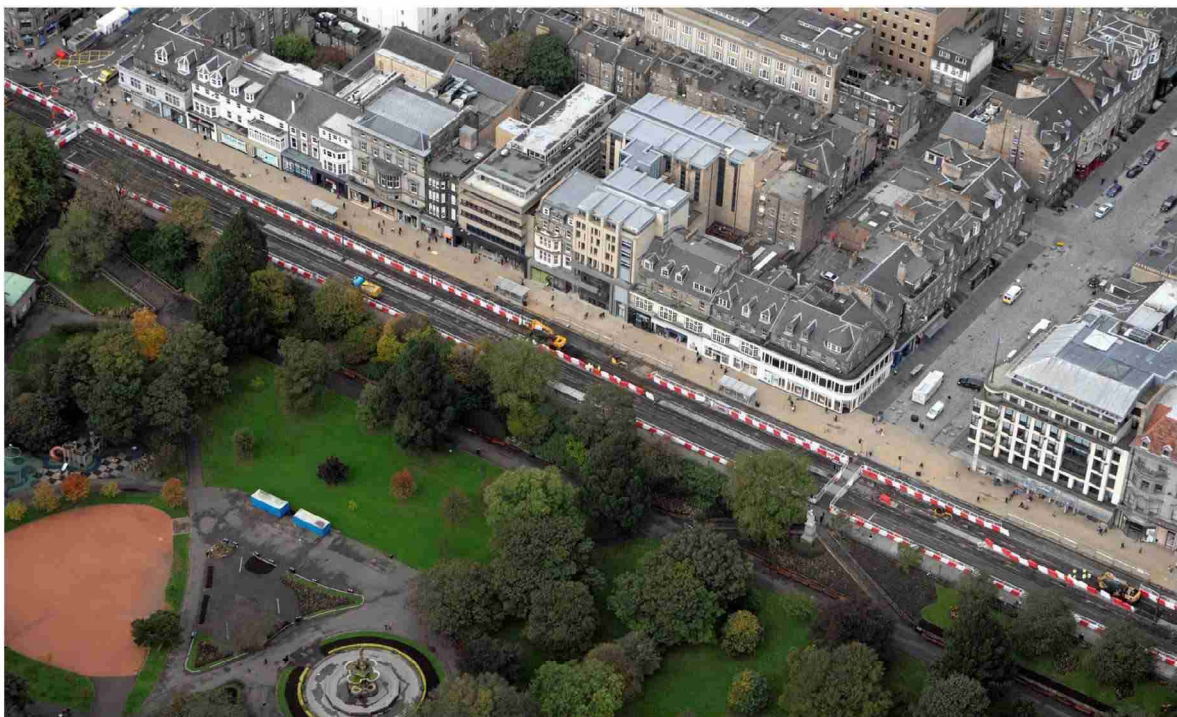
**Picture 01**

**Section 1 CD Princes Street**



**Picture 02**

**Section 1 CD Princes Street**



2.13 Project Photographs

**Picture 03**

**Section 1D**

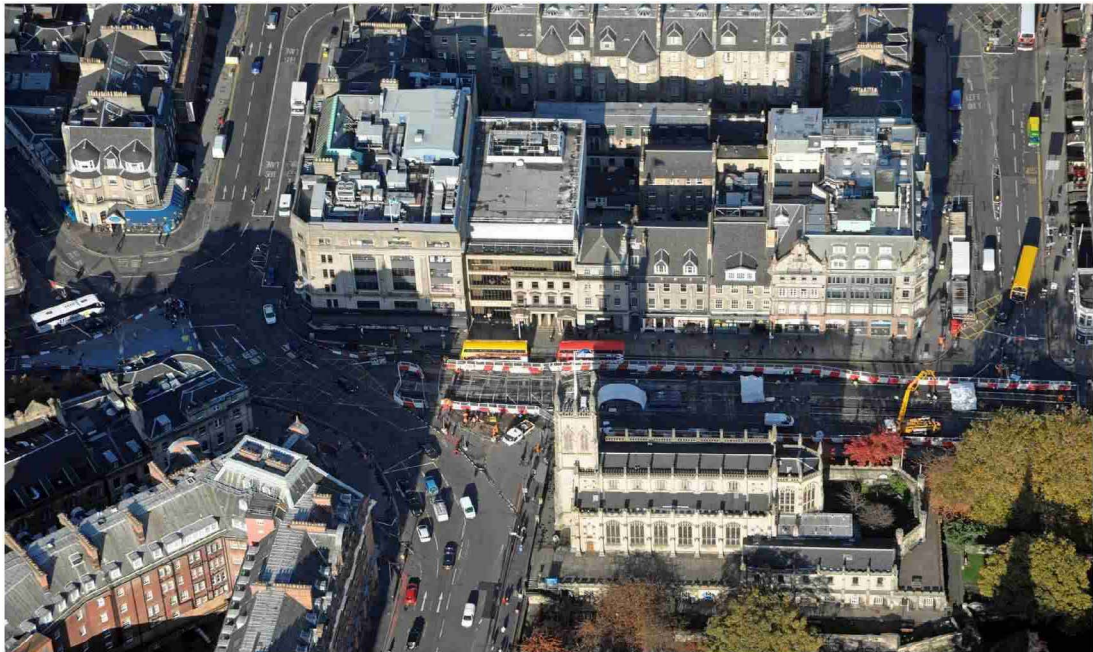
**Haymarket**



**Picture 04**

**Section 1D**

**Shandwick Place**

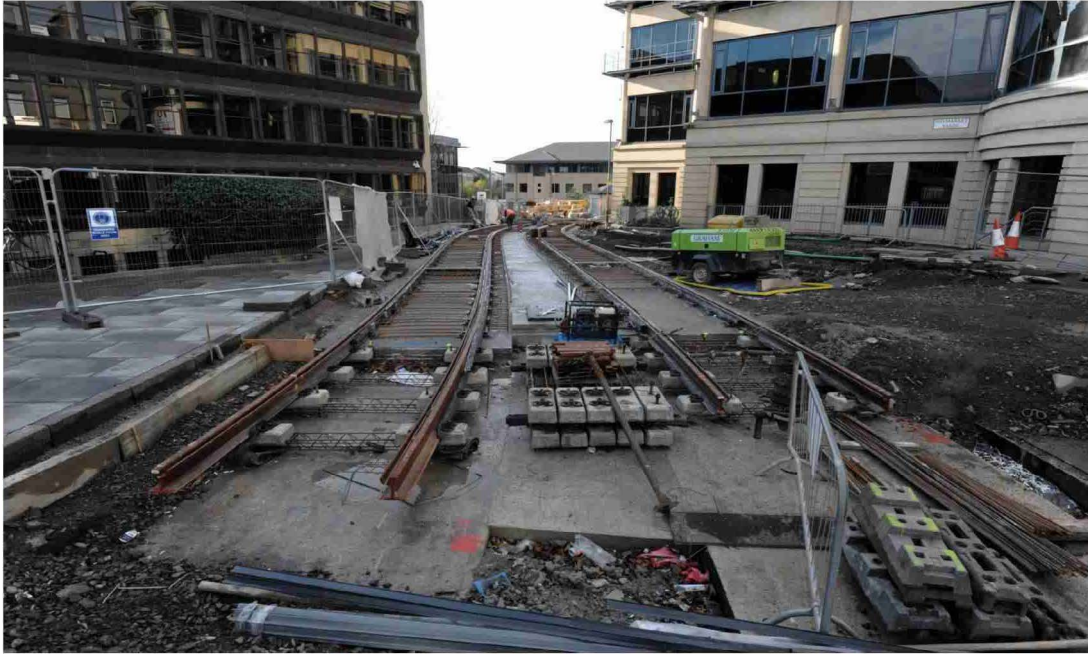


**2.13 Project Photographs**

**Picture 05**

**Section 2**

**Haymarket Yards**



**Picture 06**

**Section 2**

**Haymarket Yards**

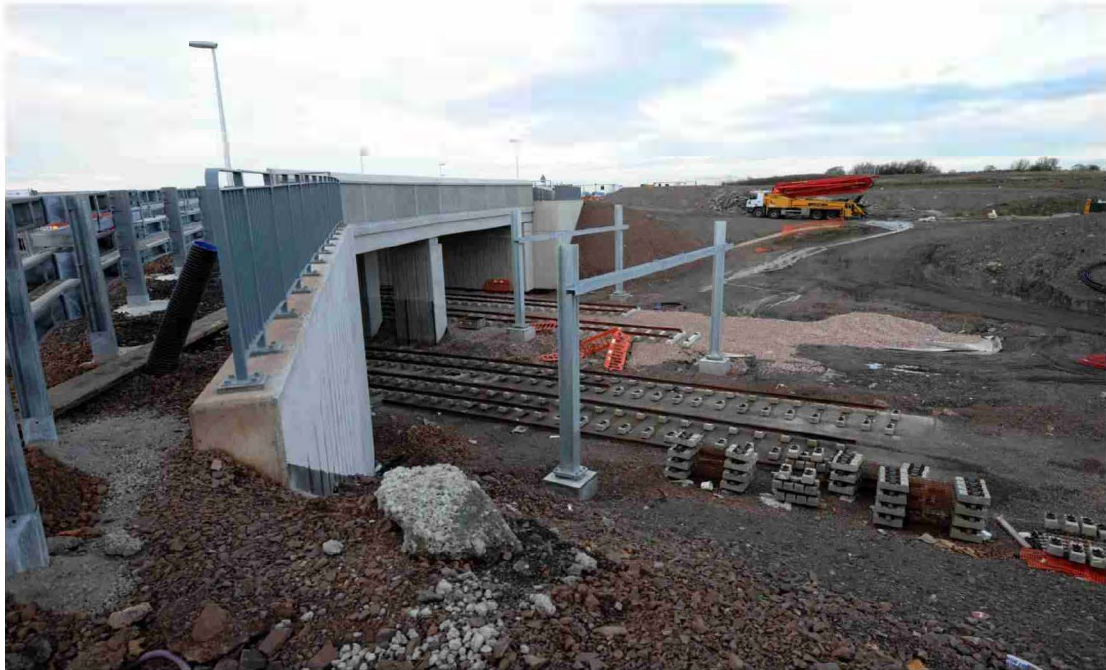


**2.13 Project Photographs**

**Picture 07**

**Section 5C**

**Depot Access Bridge**



**Picture 08**

**Section 5C**

**A8 Underpass**



2.13 Project Photographs

Picture 09

Section 6

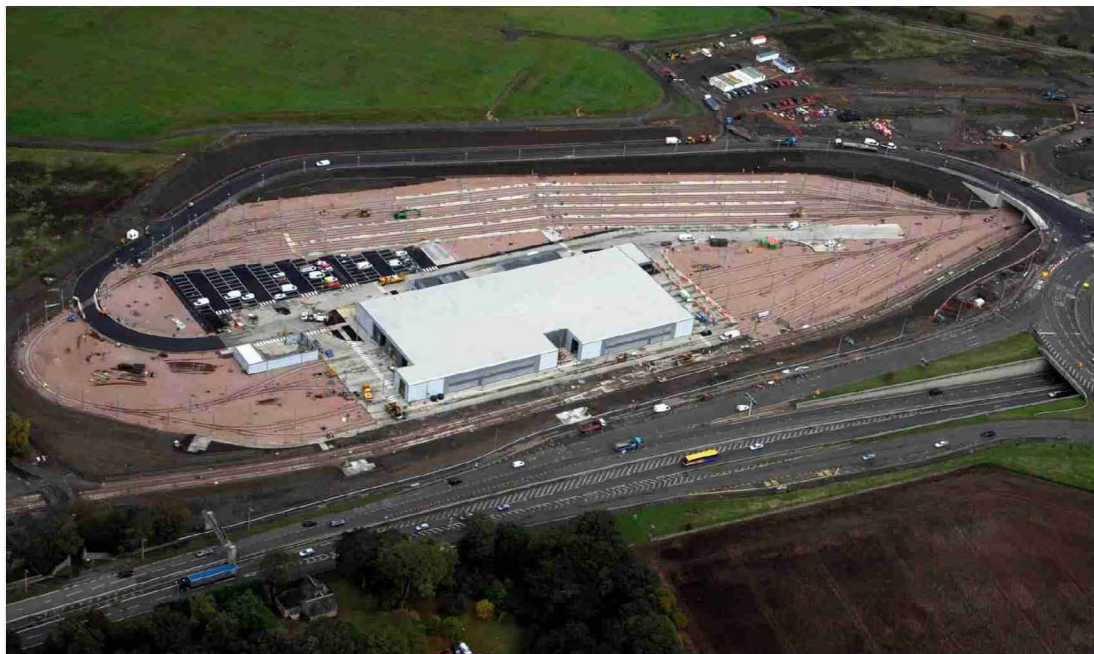
Depot Building



Picture 10

Section 6

Depot



2.13 Project Photographs

Picture 11      Section 7      Track



Picture 12      Section 7      Track



### 3.01 Overview of Contingencies

Estimated Risks from Risk & Opportunity Sheet / Top Sheet		estimated	dissolved	remaining
		GBP	GBP	GBP
<b>Contractual Risks</b>				
01.	Drawings will be not provided by SDS on time	188,188		188,188
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
<b>Total Contractual Risks</b>		<b>690,024</b>	<b>0</b>	<b>690,024</b>
<b>Design Risks</b>				
04.	Assessed quantities not subcontracted at the time of tender submission	250,918		250,918
05.	Her Majesty's Railway Inspectorate	21,955		21,955
<b>Total Design Risks</b>		<b>272,873</b>	<b>0</b>	<b>272,873</b>
<b>Construction Risks</b>				
06.	Programme risk on Sectional Completion Date A - LD's	12,546		12,546
07.	Programme risk on Sectional Completion Date A - Site costs on Delay	6,273		6,273
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
<b>Total Construction Risks</b>		<b>1,081,770</b>	<b>0</b>	<b>1,081,770</b>
<b>Commercial Risks</b>				
20.	Non payment by the client for to be continued works	627,295		627,295
21.	Interfaces Subcontractors not covered	501,836		501,836
22.	Interfaces Siemens not covered	940,942		940,942
23.	Insurance deductibles	9,409		9,409
24.	Subcontractor insolvency	313,647		313,647
25.	Defects Liability	602,203		602,203
<b>Total Commercial Risks</b>		<b>2,995,333</b>	<b>0</b>	<b>2,995,333</b>
<b>Other Risks</b>				
<b>Total Other Risks</b>		<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Values</b>		<b>5,040,000</b>	<b>-</b>	<b>5,040,000</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				125						125
3	Issued for Construction (IFC)				265						265
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	11	30	3	153	1	7	9	61	153	214
11	IFEA, but not to be IFC				40					40	40
<b>New Design for Change Order:</b>											
21	Draft, to be issued for construction										
22	Issued for External Approval (IFEA), to be IFC	11	59	6	-	43	1	28	148		148
23	Issued for Construction (IFC)	126	704	143	-	927	297	221	2,418		2,418
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)		148	793	152	583	971	305	258	3,210	583	3,793
<b>Original SDS Design:</b>											
Issued for Construction (3+5~8+43+46)					265				265	265	265
Total Issue for Construction (1~3+5~8+41~46)					390				390	390	390
Percentage of Completion IFC					67.9%				67.9%	67.9%	67.9%
<b>SDS Design incl. Change Orders:</b>											
IFC incl. new Issues for CO (3+5~8+23~28+43+46)		126	704	143	265	927	297	221	2,418	265	2,683
Total IFC incl. new Issues for CO (1~3+5~8+21~28+41~46)		137	763	149	390	970	298	249	2,566	390	2,956
Percentage of Completion IFC		92.0%	92.3%	96.0%	67.9%	95.6%	99.7%	88.8%	94.2%	67.9%	90.8%
<b>Percentage of Completion under consideration of IDR</b>		<b>99.2%</b>	<b>99.2%</b>	<b>99.6%</b>	<b>96.8%</b>	<b>99.6%</b>	<b>100.0%</b>	<b>89.9%</b>	<b>99.4%</b>	<b>96.8%</b>	<b>99.1%</b>