

Bilfinger Berger – Siemens – CAF Consortium

**EDINBURGH TRAM NETWORK
INFRACO CONTRACT**

**PERIOD REPORT No 2-12
TO 27 February 2010**

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1 EXECUTIVE SUMMARY

35,384 hours were worked in period 2-12, of which 15,486 were site hours with no reportable accidents.

The basis for progress measurement in this report is the Programme Rev 1. The incorporation of design information from the current design issue programme, actual progress on site and known access dates after MUDFA completion has delayed the original programme completion date to 11 March 2013.

Production of civil and building drawings in accordance with the original design is approximately 91% complete. In general earthworks, roads, track and structures drawings are available and drawings for the depot, substation and tramstops are being completed to support construction.

Civil drawings, revised to incorporate Siemens design (trackform including vibration isolation, OLE foundations, substations) are largely complete. Drawings are being prioritised to support construction.

System engineering design is substantially complete for OLE and traction power with trackwork, depot equipment, signalling and other disciplines are approaching finalisation.

Tram manufacturing is progressing well. Tram No.1 and No.2 were shipped to Wildenrath and dynamic testing on Tram No. 1 is expected to be complete by the end of March 2010. Tram No. 3 is ready for delivery to Edinburgh.

A total of 557 Changes have been notified to **tie** with a submitted estimated value of £65,206,000. 134 of these estimates have been partly agreed by issue of a **tie** Change Order in a total value of £12,429,000.

Virtually all construction works are impacted by external issues which require resolution through the change process of the contract.

Dispute Resolution Procedure:

- Dispute 01 – Valuation of EOT1 (INTC No.1) – Settlement reached in Mediation.
- Dispute 02 – Hilton Car Park – “Adjudicator awarded redress sought by **tie**”.
- Dispute 03 – Gogarburn Bridge – “Adjudicator rejected redress sought by **tie**”.
- Dispute 04 – Carrick Knowe Bridge – “Adjudicator rejected redress sought by **tie**”.
- Dispute 05 – Russell Road Retaining Wall 4 – “Adjudicator awarded redress sought by Infraco”.

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- Dispute 06 – Delays Arising from MUDFA Programme Rev 8 – Suspension of Dispute Resolution Process timescales has concluded and the DRP has resumed and mediation scheduled for 16/17 March 2010.
- Dispute 07 – Haymarket Viaduct – Settlement reached during Internal DRP.
- Dispute 08 – Baird Drive Retaining Wall – **tie** referred to DRP on 18 January 2010.
- Dispute 09 – Balgreen Road Retaining Wall – **tie** referred to DRP on 18 January 2010. Settlement reached during Internal DRP
- Dispute 10 – Section 7A Drainage - Referred by **tie** 10 February 2010
- Dispute 11 – Depot Access Bridge - Referred by Infraco 12 February 2010

2 HSQE

2.1 Health & Safety

The Construction Phase Health and Safety Plan Revision 5 has been reviewed informally by Paul Colquhoun of **tie**. BSC have reviewed and updated the plan. The BSC Construction Phase Health and Safety Plan Revision 5 will be formally issued by the end of current period.

Paul Colquhoun and Joe Richardson are visiting the new subcontractors on site (Graham and McKean) to explain the CoCP and what the project expects from them. Positive feedback has been received from the subcontractors. This will be an ongoing process.

Base line vibration monitoring for agreed areas along the full length of the tram route have been carried out by James Willoughby. Paul Colquhoun has presented a route map with all locations plotted where noise and vibration readings have taken place to CEC. They are pleased with this information. The base line readings and route map has been formally submitted to **tie**.

Network Rail Health and Safety Plan Revision 4 was finalised and provided to NR. Awaiting NR's response in order that BSC can make a formal submission to **tie**.

2.1.2 Accidents, Incidents and Near Misses/Unsafe Conditions:

Period 2-11 to 2-12 records up to 12 February 2010:

No reportable accidents recorded up to the date above.

5 Infraco Near Misses/Unsafe Conditions Recorded in the Period:

1. 4 January 2010 – Saughton Main Street – MoP reported heras fence panels blown over, partially blocking footpath. Panels re-erected the same day.
2. 22 January 2010 – Haymarket Viaduct – 60 ton crane delivered to site. Questioned if crane correct for job before work started.
3. 22 January 2010 – Princes Street – visual cracking around new manhole cover. Brickwork failing plated until remedial work can be done.

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4. 22 January 2010 – Guided Busway – pumping concrete on the Guided Busway not covered by WPP, works stopped. Meetings arranged to discuss WPPs.
5. 27 January 2010 – Haymarket Viaduct – Graham Construction commenced demobilisation of 60 ton crawler crane before 7:00. Traffic Management and Pedestrian Management not in place resulting in traffic tailbacks.

4 Accidents/Incidents Recorded:

1. 11 January 2010 – Russell Road Site Compound – break in reported. Police informed and investigation underway.
2. 15 January 2010 – Princes Street – generator door hinges broken, door fell on Site Engineer's foot when he opened the door. Bruising only, no lost time.
3. 25 January 2010 – Haymarket Viaduct – cable strike, damage to sheathing. Scottish Power contacted to attend site. Area isolated until made safe.
4. 5 February 2010 – George Street/Hanover Street roundabout – Lothian bus caught the mass barrier on the south west corner. Damage to bus.

The AFRs at the end of **Period 2-11:**

Project AFR:	0.09
Yearly AFR:	0.00

Total Hours worked in **Period 2-11:**

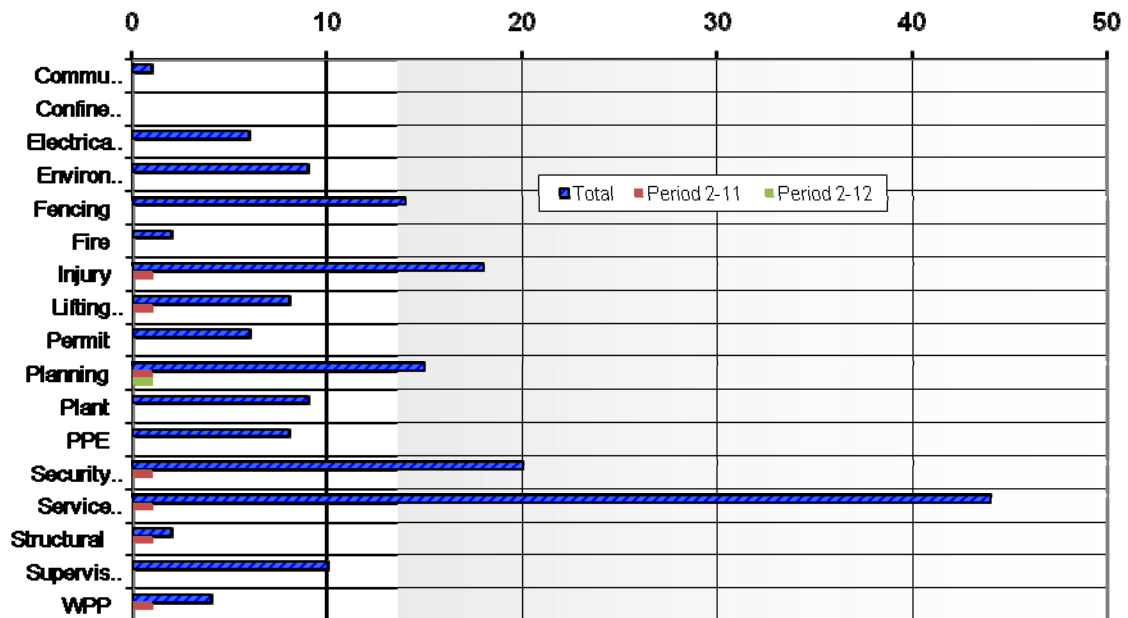
Total:	35,384
Non site hours =	19,898
Site Hours =	15,486

2.1.3 Rolling Trend Analysis for period 2-11 & 2-12 up to 12 February 2010 on safety and environmental related activities.

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Health & Safety Incidents - Topic Summary**

(From 15/10/08 to 12/02/10, sample size: 176 incidents, average incident close-out time: 10 days)



2.2 Environment

- 2.2.1 Start of badger sett monitoring in view of applying for sett closure. This is the new badger sett discovered situated within the LOD between Culverts 1 & 2. If there is no badger activity within the three-week window, BSC will progress application of the destruction licence.
- 2.2.2 Environment site walkovers carried out along Section 1D, 2A, and 1B with respective subcontractors.
- 2.2.3 Briefing of the Environment Management Plan (EMP) for subcontractors commenced last week. EMP briefing set to continue onto the next period.

2.3 Any Other Business

- 2.3.1 The Return to Work and Permit to Dig briefings have commenced and will continue as new work areas open.
- 2.3.2 Scottish Water has completed their DOMS audit. The reports have been issued to BSC and **tie**.

KPI spreadsheet for Period 2-11 is attached at Appendix 1.

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2.4 Quality

2.4.1 Quality Management System

The BSC Consortium and BB Quality Manager Douglas Ross left the Project/Bilfinger Berger on the 8 January 2010 and a replacement is being sought and BSC will inform **tie** when a replacement has been appointed. BB Senior QA/QC Engineer, Arran Haynes is currently dealing with any quality related issues.

All 18 BB ITPs reviewed by **tie** are now 'Level A – No Objection'. Currently there are 4 ITPs with **tie** for review. The Siemens ITP for Trackwork has level B status. Comments will be incorporated in later revisions since the ITP is not yet completed for all trackforms. The ITP for OLE Pole Erection is a part of the ITP OLE. The level B status will be addressed in due time before next poles are erected. The ITP for OLE building fixings will be issued shortly. It must be noted that the Siemens will not use the exact same templates as BB. As stated in the packaging procedure Siemens agrees with the principle, but will be using templates that fit best. Completed packages will be signed off by the Quality Manager, not the individual ITP's, since an ITP for each pole will be filled in.

A follow up BSC Lessons Learned meeting regarding Princes Street was held on 12 February 2010 to discuss status of the improvement proposals. Previously, three improvements were discussed for implementation, meeting schedules and communication, quality processes specifically regarding communication between site and office and the development of an interdisciplinary schedule.

A BSC internal ITP Packaging Readiness audit was held on 18 January 2010 and a joint informal review was carried out with **tie** on 19 January 2010. Formal **tie** Audit on completed Princes Street ITPs was held on 11 February 2010. Letter/report to follow.

Discussions are ongoing with **tie** and CEC and internally with BSC regarding introducing a three tier 'Work Site Completion Certificate' process: Interim Certificate - to say "works site handed over with safety concerns met"; Certificate - once snagging works have been completed; and Final Certificate - completion of all works.

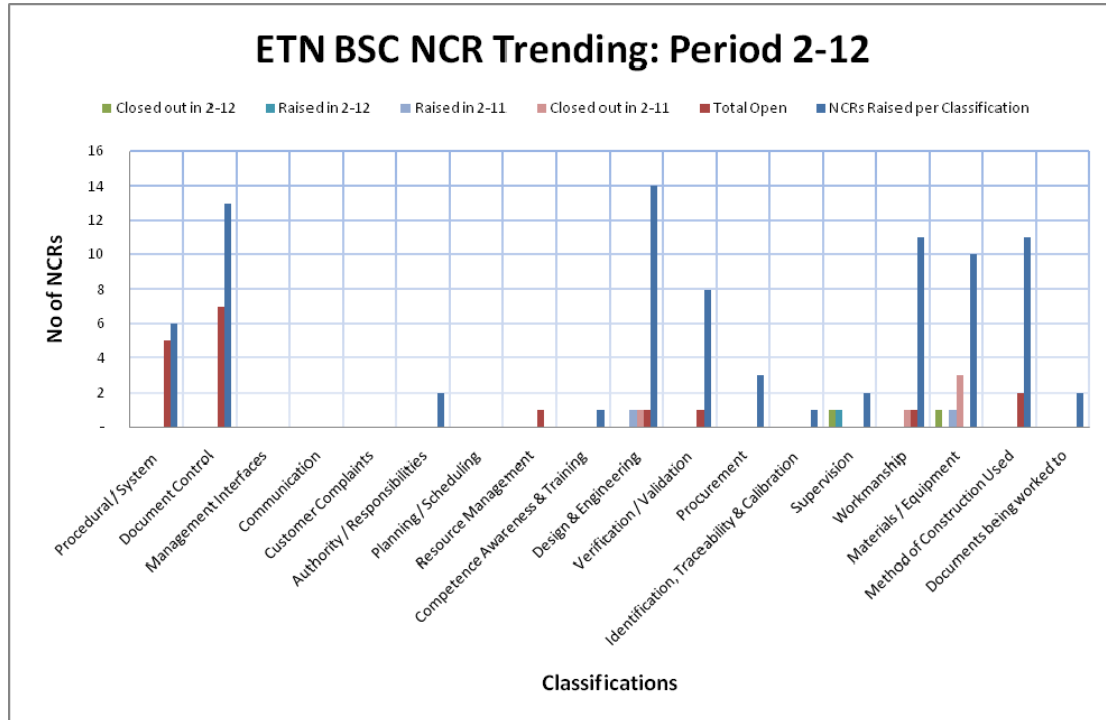
An As-Built procedure has been compiled and is available on BSC IMS System. It was agreed that a Flowchart showing how information is gathered in the As-Built Process needs to be drafted by the BSC Engineering Team and included in the to-be-revised Design Management Plan.'

2.4.2 NCRs

At the time of writing there are currently 27 'open' 'quality' NCRs from a total of 88 raised to date, 3 having been cancelled, and the remaining 58 having been closed-out. 1 NCR was raised during the last period. 3 NCRs were closed during the last period.

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The latest trending histogram for Quality NCRs is shown below.



2.4.3 Audits

During the last period;

tie carried out a ‘Design Safety Assurance Audit on BSC’ (CAF) – TSA/09/02 on 18 November 2009. The audit report was received by BSC with two observations and no findings. At a meeting on the 16 December 2009, it was agreed after clarifications had been satisfactorily answered, that the report would include just one finding, which is only an observation. At the same meeting the outstanding findings from **tie** Design Assurance Process audit No’s TSA/09/01 & TSA/09/03 were also discussed and findings updated. Both of these audits still have three outstanding findings ‘open’.

The audit report has still to be issued, **tie** carried out a ‘Gogar Depot Drainage Audit’ on BSC/Barr on 27 January 2010 at Barr’s on-site office. The audit report and findings are still to be issued.

tie carried out a ‘Design Assurance, System Integration & Best Value Audit’ on BSC on the 28/29 January 2010 under the terms of Contract clause ‘104 Information & Audit Access’. Issue of the draft Audit Report is awaited.

tie was scheduled to carry out an ‘M&E Design Assurance Process Audit’ on BSC on 28 January 2010. This Audit has been postponed by **tie** and will be re-scheduled.

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Six “clause 104” audits were notified and executed in January, some are still in progress.

The scheduled (for October) Internal ‘BSC Technical Change Management Audit’ will be considered for the audit planning 2010.

The scheduled (for November) Internal ‘TRW/BAM’ will be replaced by an audit on the BAM design process in February 2010.

The Audit Schedule for 2010 will be drawn up and submitted to *tie* by mid March 2010.

3. PROGRAMME

3.1. Programme

The programme at Appendix 10.2 to this report has the V31 mitigation programme incorporated. This programme has been accepted by *tie* in accordance with Clause 60.4 as the “Programme” (Rev 1) and is used as a baseline for reporting progress.

Progress achieved up to 19 February 2010 has then been recorded against the above baseline including inputting the latest IFC dates received from SDS (V51).

No IFC date has been received for the redesign of South Gyle Access Bridge (programme defaulting to 19 February 2010). Commencement dependant on resolution of re design or diversion of existing sewer.

The Programme identifies completion of MUDFA works in each Intermediate Section and uses these dates as a start milestone for the INFRACO work. BSC have progressed (“progress to date”) the Programme in accordance with the Contract and the MUDFA completion dates have been extracted from the latest information received from *tie* (matrix of utility completions for Revision 3 Programme received 13 February 2010).

It should be recognised that the Programme has only been progressed where noted in this report and does not include for all changes that we are aware of or have been notified to date e.g. dealing with abandoned services, misalignment issues, growth in work scope etc.

The result is the following changes to Section Completion Dates:

	19 February 2010	22 January 2010	Programme
A	01 July 2011	03 June 2011	01 June 2010
B	30 January 2012	19 December 2011	01 July 2010
C	12 September 2012	15 August 2012	10 March 2011
D	11 March 2013	11 February 2013	06 September 2011

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The critical path to the completion of the works now commences with soil nailing at the depot and then continues with lengths of track in the following sections 6A; 5B; 5C; 7A; 5A; 1C; 1D; 5C; 1C & 5A before completing with OLE works in sections 5A & 1A.

However the soil nailing activity in the Programme represents soil retention alongside the A8 road adjacent to the depot. In the current IFC design these works are no longer required. If the link between the soil nailing and the depot track work is broken, the critical path changes and the Section D completion date improves to 3 March 2013. The critical path then commences with trackwork activities in section 2A and continues with lengths of track in sections 1A; 5B; 1D; 6A; 1D; 1C and then roadworks at Picardy Place, followed by further lengths of track in sections 1C & 1D before completing with OLE works in sections 1D; 1A; 5A & 1A.

At a number of locations the construction sequence has been changed, from that originally considered, to suit current constraints. Presently the logic of the Programme remains unaltered from that envisaged at Contract Award. Therefore some inaccuracies occur when “progress to date” has been entered into the Programme.

Note – the links between the third party consents and the related activities present in the Programme have been deleted to enable a true analysis to be provided of the current situation.

As a result of events which have negatively impacted on the Programme the works have had to be re – sequenced in an attempt to mitigate the delays which are being incurred. Effectively the following constraints have been disregarded by the BSC construction team:

- Completion of MUDFA works in Intermediate Section 1D and the start of the INFRACO works.
- Completion of other sections of track work prior to commencing in Princes Street.

This broken logic has now been used to produce the Programme for this report.

The attached Programme considers progress achieved against the agreed Revision 1 Programme. The Revision 1 Programme was based on the base date design information (BDDI) and other Programme Assumptions. Hence the analysis to provide the predicted Section Completion does not take into account the increased scope of works which is now apparent post BDDI. These predicted dates are thus significantly earlier than would be expected if all factors governing the construction of the works are taken into account.

A second draft of a proposed Revision 3 Programme has been produced to reflect the situation at 31 October 2009. This Programme shows a Section Completion D date of 9 November 2013.

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This programme is provided for information and coordination purposes only; and without prejudice to the rights of the Infraco under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme."

The Look-Ahead Programme for the period February to April 2010 is an extract from the current Construction Programme updated with the IFC dates from the SDS V51 Programme and also updated with progress of The Works recorded and assessed to 19 February 2010.

MUDFA/Utility activities are scheduled in accordance with the site wide programme Rev 08 received 5 May 2009 updated with information provided by cover of **tie** letters 3228 (York Place, Haymarket, and integrated traffic management plans), 3319 (part of Section 1A), 4031 (site-wide access dates), and 4058 (Haymarket to Lothian Road, and St Andrew Square). As possession dates are not specific, the Look-Ahead programme has been adjusted where assumptions can be made. At this time BSC are reviewing the availability of access to Works areas taking into account other issues e.g. currently approved traffic management schemes. Where MUDFA/Utility Works are ongoing, the Completion Milestones will continue to default to the report date unless planned completion dates are later.

A Revision 09 site-wide utilities programme was not issued this month but remains critical to the accurate planning of the works.

Section 1A

MUDFA temporary works at Tower Bridge are complete and Infraco works are currently scheduled to start after 4 weeks mobilisation pending resolution of Change Items; the estimate for which was re-submitted on 9 October 2009. In the absence of further information, Infraco Works for Tower Bridge are now scheduled to commence on 2 June 2010. Tower Bridge access ramp is under review with FPA and CEC.

Lindsay Road utility diversion work was started by **tie** (Clancy Docwra) on 16 November 2009. The new utilities programme (**tie** letter 3391) for Lindsay Road indicates completion on 31 March 2010. It is therefore anticipated that the Infraco can plan Works on Lindsay Road commencing on 14 April 2010, allowing for Traffic Management and mobilisation.

Following Agreement of Change, Infraco Works on Walls W1A and W1D are planned to commence on 11 March 2010.

Utility diversions (by others) from Victoria Bridge to Ocean Terminal started w/c 16 November 2009 and is ongoing.

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The proposed Traffic Management Scheme was accepted by CEC and Forth Ports Authority on 30 June 2009.

A revised draft construction programme for Section 1A was issued on 19 November 2009 for the OSSA review. This has now been updated to Draft 10 with the notified start dates. The programme has not been issued at this time.

Section 1B/C - Leith Walk

A re-start meeting was held on 19 October 2009.

A revised draft construction programme for Section 1B was issued on 19 November 2009 for the OSSA review.

MUDFA Works were expected to be clear by 30 November 2009. Utility Works are ongoing at this time and general site availability to the Infraco is notified as 19 July 2010 (*tie* letter 4031). The construction programme will be re-scheduled with this commencement date but clarification of the available sequence of work will be required.

Section 1C - London Road to St Andrew Square

A draft indicative construction programme for this section was issued on 19 November 2009 for the OSSA review. A detailed construction programme is being developed at this time but will remain in draft form until design at Picardy Place is resolved. Possession of the site due to utility works is notified as early October 2010 (*tie* letter 4058).

Section 1C – St Andrew Square to Princes Street (Waverley Bridge Junction)

A detailed draft construction programme for this section was issued on 19 November 2009 for the OSSA review. Ongoing utility (BT) works are now expected to continue until 5 May 2010 (*tie* letter 4058), therefore this programme will be updated when the Infraco possession date is confirmed.

Section 1C/D - Princes Street

Princes Street was re-opened to traffic on 29 November 2009. Remedial and outstanding works are ongoing. Roadworks requiring traffic management are detailed on a programme submitted to *tie*. These activities are detailed in schedules pending suitable commencement dates to be agreed.

Section 1D - Haymarket Junction to Shandwick Place

Ongoing utility works currently delay the commencement of Infraco Works in this section. Infraco possession of Shandwick Place was notified as 8 February 2010 (*tie* letter 4031), but is now expected to be 20 February 2010 (*tie* letter 4058).

Access to the crescents area is currently notified as available but not yet handed over to the Infraco.

An integrated Traffic Management scheme has been designed by *tie* to allow phased access for the Infraco to available Works areas. The first phase will

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be implemented by Clancy Docwra and passed over to the Infraco for further implementation as their works progress. Following completion of utility works, access to Haymarket Phase 1 is notified as 1 February 2010, but this is not the complete planned area. This area is still in use by utility works and not yet handed over to the Infraco.

Following completion of utility works, the Infraco possession date for the remainder of the site through to the crescents is notified as from 20 February 2010 to 31 May 2010 (**tie** letter 4058).

A detailed draft construction programme (Revision 08) for the Haymarket Junction from the viaduct through Shandwick Place to Lothian Road tie-in was issued on 19 November 2009 for the OSSA review. Significant changes included are the infilling of the existing underground chambers and full depth construction with capping layer. This programme will be updated as Infraco possession dates are confirmed.

Section 2

Awaiting agreement of Change.
Construction ongoing.

Section 5A

Awaiting agreement of Change.

Russell Road Retaining Wall W4

Construction ongoing.

Section 5B

Carrick Knowe Bridge

Construction ongoing.

Guided Busway

Construction ongoing.

Edinburgh Park Bridge

Construction ongoing.

Section 5C

Gyle Tram Stop retaining Wall

Awaiting agreement of Change.

S28 A8 Underpass

Construction of next TTM phase was completed on 7 February 2010, and piling re-commenced on Phases 1&2.

Earthworks can proceed pending resolution of Change Items.

Section 6

Construction ongoing.

Outstanding Change items for main doors, earthworks and piling of the Stabling Yard, and drainage items to be agreed.

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The remaining 35,000 cu.m. of excavation is programmed at a later stage.

Section 7

Gogarburn Bridge

Construction ongoing - transition slabs.

Earthworks activities are delayed pending resolution of Change.
BAA Phase A and Ch.12080-12280 drainage is ongoing.

3.3 Tramco Programme Status

Updated tram design, procurement, manufacturing, delivery and commissioning programme is attached as Appendix 10.4.

4 PROGRESS

4.1.1 Civil & Building Design

Programme update attached as Appendix 10.2.

4.1.1.1 Production IFC Design

Programme

Version 51 of the SDS Design Programme was issued to **tie** on 14 January 2010. The target date for the issue of Version 52 to **tie** is the end of February 2010.

Approvals

SDS is closing in on obtaining the final planning and technical approvals required. There has been a recent increase in the number of approvals required due to new instructions received, and as such, the percentages may indicate lower completion rates than last period.

SDS reporting progress as follows:

From a total of 229 planning and technical approvals:

91% are approved (209)

6% are pending approval (13)

3% are to be submitted (7)

Current status (today) is:

93% Planning Approvals granted

90% Technical Approvals granted

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4.1.1.2 Issues and Concerns

Weekly Design Changes Issues meeting between BSC, SDS and **tie** continue to seek resolution to Design Change issues. This is generally positive and continues to unblock long outstanding changes; however, the following key issues are still to be resolved.

The issues described below are either requiring urgent attention or BSC have been awaiting instruction or information from **tie** for a significant period of time:

- INTC 139 Relocation of OLE Poles – CEC's request for the relocation of OLE poles in Section 1A is deemed to be a change. **tie** to provide necessary utility as built information to BSC to allow pole locations to be finalised. BSC has submitted revised estimate to **tie** to resolve the commercial issue.
- Section 1C2 Technical Approval – This was due to be resolved and approval granted by CEC on or before 7 July 2009 but is still outstanding. **tie** has been requested through Approvals Taskforce and Design Changes Meeting to assist in resolving this issue with CEC. This is impacting on Scottish Water Approval for Section 1C1 and 1C2 and hence commencement of construction works within these two sections.
- Section 1C1 Scottish Water Approval – BSC has requested **tie** to raise the issue of 1C1 approval being dependant on 1C2 with Scottish Water to see if this can be unlocked. We await update from **tie** in this regard.
- Picardy Place Redesign (Section 1C2) – **tie** has instructed the Stage 1 & 2 design work of INTC 321. Letter issued by CEC on 18 September 2009 identifying additional changes required. Further CEC changes need to be instructed to BSC by **tie** to allow the overall Picardy Place redesign to be developed. This is holding up Section 1C2 Technical and Scottish Water Approvals for 1C1 and 1C2 as highlighted above. This has been with **tie** since November 2009.
- Operational Design Review (ODR) comments – this is being worked through the ODR meetings with **tie**. It has been accepted by **tie** that some comments will be a change if still deemed necessary by **tie** and will need to be instructed. **tie** / BSC reviewing at present ODR comments at present.
- Roseburn Viaduct – the late delivery of information from **tie** has pushed back the IFC date as indicated within V51 of the SDS Design Programme. **tie** provided a CD containing Network Rail Utility information to SDS on 8 January 2010 to allow the design to progress. **tie**'s assistance has also been sought to resolve Scottish Power issue regarding 132kV cables.

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- TRO Changes – **tie** / BSC Meeting set up to discuss further TRO changes on 18 February 2010.
- Forth Ports Agreement - Further changes have been intimated by **tie** which could further delay finalisation of Section 1A. **tie** to advise BSC on the recently signed Forth Ports agreement and any impacts on Infraco works.
- Section 1A Design Issues - A final specific and detailed list of design issues in Section 1A is outstanding from **tie**.
- Section 1A Drainage Approval - BSC have submitted design only Estimate and awaiting instruction from **tie**.
- RBS Gogarburn Tram Stop – BSC have issued design only Estimate to **tie** and await instruction.
- South Gyle Access Bridge Redesign – The final feasibility report was issued to **tie** on 23 November 2009. Confirmation is sought from **tie** on which option they wish to proceed with. This was expected in early February 2010. Traffic Management issues need to be resolved with SDS under the MUDFA Contract.
- MUDFA Conflicts – **tie** to advise BSC of the known conflicts once conflict schedule and MUDFA as built have been reviewed by **tie**. As built information is requested from **tie** for the known 'specials' where there is reduced cover (depth or width). This includes Scottish Power Tunnel and 275kV cables in Leith Walk. Awaiting As-Built drawings from **tie**.
- IDR Process - We note a full IDR and IDC cannot be undertaken without the relevant as built information. BSC await this information from **tie**.
- INTC 277 – Airport Canopy and Boundary Treatment. Following acceptance of BAA and **tie** to the Planning Submission Design, CEC had fundamental objection. **tie** instructed BSC not to submit Planning Application to CEC. Further informal consultation meeting with CEC held prior to submission. Following the further meeting with CEC, additional changes are required to the Canopy. Design only Estimate will be submitted to **tie** by BSC shortly.
- Section 3 CEC Roads Approvals – This has been raised to **tie** at the Approvals Taskforce meeting. BSC have concerns regarding the lack of resources within CEC to complete outstanding Section 3 Approvals and close out comments for other sections.
- Tram Stop Informatives – **tie** to provide clarification to BSC on, System Branding, Ticket Vending Machines and Validators (if required) to allow tram stop design to be finalised and to allow BSC to progress discharge of tram stop Informatives with CEC.

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- Cathedral Lane Substation – **tie** to provide comments on Cathedral Lane Substation design only Estimate to allow the Estimate to be finalised. This has been with **tie** since 3 December 2009.
- Gogar Interchange – Retaining Wall Technical Design on hold due to Scottish Water Sewer clash. BSC assisting **tie** to resolve the design issues with Network Rail. BSC await instruction from **tie**.
- Section 1D CEC Additional comments – CEC requested amendment to Lighting in previously approved Section 1D through Section 1A3 comments. This has been raised to **tie** and BSC await instruction from **tie**. BSC also raised concern as to the way in which this change was raised by CEC and requested **tie** to ensure CEC raised any changes to approved design in the appropriate manner through **tie**.
- Murrayfield Wanderers Clubhouse Design Changes – BSC require instruction from **tie** in regard to late changes required by SRU and their tenant. This is not holding up finalisation and issue of design.
- Depot Access Road – Turning Head – BSC are awaiting instruction from **tie** in regard to works outwith the LOD at this location. This has been with **tie** since 11 September 2009.

4.1.1.3 Extended Construction Support and Design Support

The proposed organisational chart for the upcoming month is attached in Appendix 10.8.

No instruction from **tie** has been received to date.

Three month look ahead will be issued to **tie** as requested to support authorisation of the support team.

4.1.1.4 Workshops

Development Workshop Drainage Workshop; report was published on 14 October 2009. No **tie** instruction has been received. New requirements require the workshop to be reiterated.

Development Workshop SCC Loops, workshop report was published as draft on 24 September 2009. No **tie** instruction or comments have been received.

The DKE Report has been produced by SDS which was reviewed by CAF. A Development Workshop on DKE misalignments is required. BSC to invite.

The current status of all Development Workshops is shown in Appendix 10.9.

Tram Stops

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BSC shelter and platform furniture was incorporated into the civil design to discharge informatives. Meeting with CEC and *tie* is scheduled on 24 February 2010.

4.1.1.5 Request for Information (RFI)

On status date 10 February 2010 – RFI summarise as follows:

RFI Civil

RFI's open:	6 total
RFI's open and unanswered:	6
RFI's responded to but require further clarification:	0
RFI's issued in January 2010:	0
RFI's responded in January 2010:	1
RFI's closed in January 2010:	1

4.1.2 Procurement**4.1.2.1 Sub-Contractors**

A Sub-Contract Procurement Schedule, showing status at 15 February 2010, is attached as Appendix 10.6.

Section 1A

Section 1A has now been split into three areas, Newhaven to Ocean Terminal (1A1), Ocean Terminal to Port of Leith (1A2) and Port of Leith to Foot of the Walk (1A3).

BSC intend to sublet Section 1A1 and 1A2 to McKean and Company (Glasgow) Ltd. BSC are now concluding the terms and conditions of McKean subcontract order. They were issued with a Letter of Intent on 4 August 2009.

BSC intend to extend Crummock's involvement down from Foot of the Walk to Port of Leith (1A3).

Section 1B

BSC have concluded the procurement process for Section 1B.

Section 1C

Crummock have submitted their price for 1C1 (MacDonald Road - London Road) and BSC are currently reviewing this.

BSC are concluding terms and conditions with Mackenzie Construction Ltd over section 1C3 (Castle Street - Waverley Bridge).

A prequalification process is underway to deliver the remaining works in Section 1C2 (London Road – Waverley Bridge).

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Section 1D

Final negotiations are proceeding with MacKenzie to conclude a Sub-Contractor order.

Section 2A and 5A (Part)

Final negotiations are proceeding to conclude a Sub-Contractor order with Grahams. Following the issue of a Change Order pursuant to Clause 80.15 to proceed with Russell Road Retaining Wall 4 Expanded Piling have been issued with an extension to their current letter of intent to cover the mobilisation of a piling rig to complete the piling on Wall W4, units 11 to 18.

Section 5A (Part), 5B and 5C (Part)

BSC intend to sublet the remaining structures on Sections 5A, B and C to Expanded Ltd. Discussions continue over finalising programme and terms and conditions. A revised Letter of Intent was sent to Expanded Ltd on 29 May 2009 to allow for procurement and mobilisation which has been later extended to include the preparation and submission of Form C's. Following receipt of a Change Order pursuant to Clause 80.15 Expanded Ltd's letter of intent has been further increased to cover the construction of Carrick Knowe Bridge.

Smaller trade package quotations for the balance of the civils works in Section 5 have been received, e.g. ducting and drainage, service diversions and others are currently under review.

Section 6

BSC have concluded the procurement process for Section 6.

Tie have confirmed that there is no longer any requirement to provide a Subcontractor Collateral Warranty in favour of Edinburgh Airport Limited.

Section 7A

BSC have concluded the procurement process for Section 7A.

Tie have confirmed that there is no longer any requirement to provide a Subcontractor Collateral Warranty in favour of Edinburgh Airport Limited.

General

Procurement of relevant key Sub-Contractors (Major Civil Works Contractors, Piling Contractors, Ground Stabilisation Specialists) includes the requirement for provision of a Collateral Warranty, in accordance with Clause 28.7 of the Contract.

BSC may need to offer **tie**, in some instances, alternative wording for their Collateral Warranty agreement, as BSC have not as yet been able to conclude our negotiations with potential Sub-Contractors using the template in Schedule 8 Part F.

The length of time it has taken to either procure, negotiate and conclude any Sub-Contract has been affected by the complexity of the main contract negotiations and how BSC and **tie** require step down into the subcontract, the

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necessity to operate a complex milestone schedule which can be adversely affected by progress and change on site and the overall uncertainty on programme.

BSC have concluded the procurement process for the supply and erection of Tramstop Shelters and equipment and a request under Clause 28.2 was submitted to **tie** on 9 September 2009. BSC await **tie's** response.

4.1.3 Construction

**Progress on site to 19 February 2010
Reported against Revision 1 of the Programme
Duration % Complete (workdays)**

Section	Planned Progress Programme Revision 1	Actual Progress to 19-02-2010	Completion Date Programme Revision 1	Anticipated Completion Date (Progressed Programme Revision 1)
1A	61%	0%	07/03/2011	10/09/2012
1B	70%	3%	05/11/2010	21/06/2012
1C	58%	1%	11/03/2011	12/09/2012
1D	74%	48%	17/09/2010	30/03/2012
2A	98%	12%	03/03/2010	21/09/2011
5A	68%	1%	20/12/2010	09/07/2012
5B	78%	27%	31/08/2010	29/03/2012
5C	75%	2%	20/09/2010	04/05/2012
6	86%	16%	01/06/2010	05/09/2011
7	76%	18%	05/10/2010	03/05/2012
Construction	74%	13%	Section C 10/03/2011 Section D 06/09/2011	Section C 12/09/2012 Section D 11/03/2013

**Infraco Works Commenced/Completed during the period
(Programme Revision 1)**

ID	Section	Activity
	Section 1A	
180		Ongoing (by others) – MUDFA/Utilities Work
	Section 1B	
190		Ongoing (by others) – MUDFA/Utilities Work

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	Section 1C (McDonald Rd to Sth St Andrew St)
200	Ongoing (by others) - MUDFA/Utilities Work
	Section 1C/D
1D-15/16-TRCK-80	Ongoing - Princes St outstanding and remedial works
	Section 1D (Shandwick to Haymarket)
210	Ongoing (by others) – MUDFA/Utilities Works
	Section 2A
2A-13-S19-50 2A-13-S19-51 2A-13-S19-53	<u>Haymarket Viaduct</u> <ul style="list-style-type: none"> Started West Abutment Finished - Pier 1 Finished - Pier 4
2A-13-TRCK-81	<u>Haymarket Corridor</u> <ul style="list-style-type: none"> Finished – Fencing
	Section 5A
5A-12-W3-32 5A-12-W3-40 5A-12-W3-50	<u>Walls W3 & W4</u> <ul style="list-style-type: none"> Finished – Demolish Existing Buildings. Finished - Piling to Wall 4 Started – Pile Caps to Wall 4
	Section 5B
5B-10-S23-75S 5B-10-S23-72N 5B-10-S23-75N	<u>Carrick Knowe Bridge</u> <ul style="list-style-type: none"> –Ongoing - South Abutment Wing Walls Finished - North Abutment backfill Started - North Abutment Wing Walls
5B-10C-TRCK-70	<u>Guided Busway –</u> <ul style="list-style-type: none"> Ongoing - Track laying
5B-07-S27-77 5B-07-S27-58 5B-07-S27-59	<u>Edinburgh Park Bridge</u> <ul style="list-style-type: none"> Ongoing - Track Upstands Started North Approach Ramp Started South Approach Ramp
	Section 5C
5C-03-W28-91	<u>A8 Underpass</u> <ul style="list-style-type: none"> Started - Phase 2
	Section 6A
6A-01-BLDS-65	<u>Depot</u> <ul style="list-style-type: none"> Ongoing - Building Envelope Started cladding Started internal brickwork
	Section 7A
7A-04-S29-50E &W 7A-05-W14-100 7A-05-TRCK-30 7A-05-TRCK-50	<u>Gogarburn Bridge</u> <ul style="list-style-type: none"> Ongoing - Ground beams <u>Construct New Hotel Car Park</u> <ul style="list-style-type: none"> Started - W14 Started - Earthworks Started - Drainage

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**4.1.3.1 Section 1A Newhaven Road to Foot of the Walk
Lindsay Road Retaining Wall**

Wall 1A

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Issues and Concerns

Anticipated start date 11 March 2010, 48 weeks later than indicated on Programme (Rev 1).

Completion date is dependent on completion of utility diversions by **tie**.

Completion date is dependent on agreement of change to Road works on Lindsay Road.

IFC scope of works anticipated completion date is 8 November 2010, 73 weeks later than indicated on Programme (Rev 1).

Wall 1B

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Issues and Concerns

Anticipated start date 6 August 2010, 92 weeks later than indicated on Programme (Rev 1).

Commencement date is dependent on completion of utility diversions by **tie**.

Commencement date is dependent on agreement of change to Road works on Lindsay Rd

IFC scope of works anticipated completion date is 22 October 2010, 81 weeks later than indicated on Programme (Rev 1).

Wall 1C

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Issues and Concerns

Anticipated commencement date is 6 August 2010 no work scope allowed on Programme (Rev 1).

Commencement date is dependent on completion of utility diversions by **tie**.

Commencement date is dependent on agreement of change to Road works on Lindsay Road

IFC scope of works anticipated completion date is 14 October 2010.

Wall 1D

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

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Issues and Concerns

Anticipated commencement date 11 March 2010, no work scope allowed on Programme (Rev 1).

IFC scope of works anticipated completion date is 21 September 2010.

Lindsay Road Realignment

Progress

No activities carried out during period.

Time lost in the period 4 weeks

Issues and concerns

Commencement date is dependent on agreement of change to Road works. Anticipated commencement date 18 March 2010, no work scope allowed on Programme (Rev 1).

IFC scope of works anticipated completion date is 30 March 2011

Trackwork - Lindsay Road to Ocean Terminal

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Issues and Concerns

Completion date is dependent on completion of utility diversions by *tie*.

Commencement date is dependent on agreement of change

Anticipated start date 9 March 2010, 64 weeks later than indicated on Programme (Rev 1).

IFC design incomplete for carriageway and track work construction.

Track work & carriageway changes from BDDI to IFC have yet to be agreed.

Redesign of carriageway pavement incomplete.

Change estimates on Utility transferred by *tie* have not been agreed.

IFC scope of works anticipated completion date is 5 June 2012, 102 weeks later than indicated on Programme (Rev 1).

Trackwork - Ocean Terminal to Port of Leith

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Issues and Concerns

Changes from BDDI to IFC have not been agreed.

Anticipated commencement date 2 June 2010, 29 weeks later than indicated on Programme (Rev 1).

IFC scope of works anticipated completion date is 14 December 2012, 108 weeks later than indicated on Programme (Rev 1).

IFC design incomplete for carriageway and track work construction.

Redesign of carriageway pavement incomplete.

Track work & Carriageway changes from BDDI to IFC have yet to be agreed.

Change estimates on Utility transferred by *tie* have not been agreed.

Bilfinger Berger – Siemens – CAF Consortium

Victoria Bridge

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Anticipated start date 13 January 2012, 73 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Change from BDDI to IFC has not been agreed.

IFC scope of works anticipated completion date is 8 June 2012, 88 weeks later than indicated on Programme (Rev 1).

Tower Place Bridge

Progress

Mobilisation and erection of site accommodation has been completed in the period.

Time lost in the period 4 weeks.

Anticipated commencement date 2 June 2010, 71 weeks later than indicated on Programme (Rev 1).

Issues and concerns

Changes from BDDI to IFC have not been agreed.

IFC scope of works anticipated completion date is 21 February 2011, 44 weeks later than indicated on Programme (Rev 1).

Trackwork – Port of Leith to Bernard Street

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Anticipated commencement 12 May 2011, 89 week earlier than indicated on Programme (Rev 1).

Issues and Concerns

IFC design incomplete for track work.

Redesign of carriageway pavement incomplete.

Track work & carriageway Changes from BDDI to IFC have yet to be agreed.

Change estimates on Utility transferred by *tie* have not been agreed.

MUDFA works incomplete.

IFC scope of works anticipated completion date is 8 February 2013, 159 weeks later than indicated on Programme (Rev 1).

Trackwork – Bernard Street to Foot of the Walk

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Anticipated commencement date 2 June 2010, 27 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Redesign of carriageway pavement incomplete.

Track work & carriageway Changes from BDDI to IFC have yet to be agreed.

Bilfinger Berger – Siemens – CAF Consortium

Change estimates on utility transferred by **tie** have not been agreed.
MUDFA works incomplete.
Archaeological works are incomplete.
IFC scope of works anticipated completion date is 16 February 2012, 76 weeks later than indicated on Programme (Rev 1).

4.1.3.2 Section 1B Foot of Leith to McDonald Road

Trackwork – Foot of the Walk to Balfour Street

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Anticipated commencement on 20 July 2010, 102 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Quantity of utility conflict.
Redesign of carriageway pavement incomplete.
Track work & carriageway Changes from BDDI to IFC have yet to be agreed.
Change estimates on Utility transferred by **tie** have not been agreed.
MUDFA works incomplete.
IFC scope of works anticipated completion date is 27 February 2013, 159 weeks later than indicated on Programme (Rev 1).

Trackwork Balfour Street to McDonald Road

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Anticipated commencement on 20 July 2010, 83 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Quantity of Utility conflict
Re design of carriageway pavement incomplete
Track work & carriageway Changes from BDDI to IFC have yet to be agreed.
Change estimates on Utility transferred by **tie** have not been agreed.
MUDFA works incomplete.
IFC scope of works anticipated completion date is 6 May 2013, 132 weeks later than indicated on Programme (Rev 1).

4.1.3.3 Section 1C McDonald Road to Princes Street West

Trackwork McDonald Road to Picardy Place

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Anticipated commencement 3 August 2010, 92 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Redesign of carriageway pavement incomplete.
Track work & carriageway Changes from BDDI to IFC have yet to be agreed.

Bilfinger Berger – Siemens – CAF Consortium

Change estimates on utility transferred by **tie** have not been agreed.
MUDFA works incomplete.
IFC scope of works anticipated completion date is 31 August 2012, 98 weeks later than indicated on Programme (Rev 1).

Trackwork Picardy Place to St Andrew Square

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Anticipated commencement on 6 September 2010, 30 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

IFC design incomplete for carriageway and trackwork construction.
Trackwork & carriageway changes from BDDI to IFC have yet to be agreed.
Change estimates on utility transferred by **tie** have not been agreed.
MUDFA works incomplete.
IFC scope of works anticipated completion date is 26 October 2012, 85 weeks later than indicated on Programme (Rev 1).
Redesign of carriageway pavement incomplete.

Trackwork St Andrew Square to Waverly Bridge

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Anticipated commencement on 6 September 2010, 52 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork & carriageway changes from BDDI to IFC have yet to be agreed.
Change estimates on Utility transferred by **tie** have not been agreed.
MUDFA works incomplete.
Redesign of carriageway pavement incomplete.
IFC scope of works anticipated completion date is 16 May 2012, 114 weeks later than indicated on Programme (Rev 1).

Trackwork Waverly Bridge to Castle Street

Progress

Off street remedial and outstanding works have commenced in the period, with on street works programmed to commence on 26 February 2010.

Issues and Concerns

Numerous elements of construction have yet to be completed.

4.1.3.4 Section 1D Princes Street to Haymarket

Trackwork Castle Street to Lothian Road

Progress

Off street remedial and outstanding works have commenced in the period, with on street works programmed to commence on 26 February 2010.

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Issues and Concerns

Numerous elements of construction have yet to be completed.

Trackwork Lothian Road to Haymarket

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Anticipated commencement on 1 March 2010, 60 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Track work & carriageway changes from BDDI to IFC have yet to be agreed.

Change estimates on Utility transferred by *tie* have not been agreed.

MUDFA works incomplete.

Redesign of carriageway pavement incomplete.

IFC scope of works anticipated completion date is 14 February 2012, 75 weeks later than indicated on Programme (Rev 1).

4.1.3.5 Section 2A Haymarket to Roseburn Junction

Haymarket Station Viaduct

Progress

Sub structure activities have continued in the period

No Time lost in the period.

IFC scope of works anticipated completion date is 25 November 2010, 88 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

None.

Trackwork Haymarket to Russell Road

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Anticipated commencement on 25 February 2010, 76 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Track work changes from BDDI to IFC have yet to be agreed.

IFC design incomplete for track work.

IFC scope of works anticipated completion date is 14 March 2011, 72 weeks later than indicated on Programme (Rev 1).

4.1.3.6 Section 5A Roseburn Junction to Balgreen Road

Russell Road Bridge

Progress

Form C/ WPP submissions ongoing for trial soil nailing.

Time lost in the period 4 weeks, Form C approval.

Anticipated commencement on 5 April 2010, 93 weeks later than indicated on Programme (Rev 1).

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Issues and Concerns

Changes from BDDI to IFC are yet to be agreed.

IFC scope of works will increase duration of construction activities.

Russell Road Retaining Walls W3 & W4

Progress

Piling to panels 11-18 re commenced on 4 January 2010, 72 weeks later than indicated on Programme (Rev 1).

Time lost in period 1 week- Piling obstructions.

Demolition of Mclean has been completed in the period.

IFC scope of works anticipated completion date is 31 January 2011, 65 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC are yet to be agreed.

Change for alternative piling has yet to be agreed.

Murrayfield Tram Stop Retaining Wall

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 10 October 2011, 128 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

No IFC drawings for construction.

Changes from BDDI to IFC are yet to be agreed.

Trackwork Russell Road to Murrayfield Stadium

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 26 September 2011, anticipated completion will be 12 February 2012, 90 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

IFC design incomplete for trackwork construction.

Track work Changes from BDDI to IFC have yet to be agreed.

Roseburn Street Viaduct

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 14 June, 58 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

IFC design incomplete.

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Murrayfield Retaining Wall 21B

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 26 May 2010, anticipated completion will be 31 October 2011, 134 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

Murrayfield Stadium Underpass

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 10 January 2011, 100 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

IFC scope of works will increase duration of construction activities.

Murrayfield Retaining Walls 21D

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 5 May 2011, 91 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

Water of Leith Bridge

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 21 March 2011, 35 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

Baird Drive Retaining Wall

Progress

Mobilisation Commenced on 23 January 2010 following receipt of 80.15 letter.

Time lost in the period 0 weeks.

Assuming commencement on 23 February 2010, anticipated completion will be 30 March 2011, 114 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

Bilfinger Berger – Siemens – CAF Consortium

Balgreen Bridges

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 10th June 2010, anticipated completion will be 29 September 2011, 89 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Rail Bridge

IFC drawings have yet to be issued.

Changes from BDDI to IFC have yet to be agreed.

Tram Bridge

Changes from BDDI to IFC have yet to be agreed.

IFC scope of works will increase duration of construction activities.

Retaining Wall

Mobilisation Commenced on 29 January 2010 following receipt of 80.15 letter.

Trackwork Murrayfield Stadium to Balgreen Road

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 6 December 2011, anticipated completion will be 4 June 2012, 78 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

IFC design incomplete for trackwork.

Trackwork Changes from BDDI to IFC have yet to be agreed.

IFC scope of works will increase duration of construction activities.

4.1.3.7 Section 5B Balgreen Road to Edinburgh Park Central

Trackwork Balgreen Road – Carrick Knowe

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming recommencement on 19 April 2010, anticipated completion will be 25 November 2010, 81 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.

Earthworks changes from BDDI to IFC have yet to be agreed.

Drainage changes from BDDI to IFC have yet to be agreed.

Carrick Knowe Bridge

Progress

Time lost in the period 0 weeks.

Sub Structure

Formwork, reinforcement, concreting and backfill activities have continued in the period.

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PC beam erection is programmed for 6 March 2010.
Anticipated completion is 9 August 2010, 71 weeks later than indicated on Programme (Rev 1).

Issues and Concerns
None.

Trackwork Carrick Knowe – South Gyle Access Bridge (Guided Busway)

Progress

Remedials to OLE foundations have been carried out in the period.
Anticipated completion is 19 May 2010, 59 weeks later than indicated on Programme (Rev 1).

Issues and Concerns
Drainage changes from BDDI to IFC have yet to be agreed.

Bankhead Retaining Wall

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 1 March 2010, anticipated completion will be 6 August 2010, 106 weeks later than indicated on Programme (Rev 1).

Issues and Concerns
Changes from BDDI to IFC have yet to be agreed.
Commencement dependant on resolution of re design at South Gyle Access bridge or diversion of existing sewer.
IFC scope of works will increase duration of construction activities.

South Gyle Access Bridge

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 1 March 2010, anticipated completion will be 17 February 2011, 108 weeks later than indicated on Programme (Rev 1).

Issues and Concerns
Redesign has yet to be completed.
Changes from BDDI to IFC have yet to be agreed.

Trackwork South Gyle Access Bridge to Edinburgh Park

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 1 March 2010, anticipated completion will be 3 March 2011, 108 weeks later than indicated on Programme (Rev 1).

Issues and Concerns
Trackwork changes from BDDI to IFC have yet to be agreed.
Earthworks changes from BDDI to IFC have yet to be agreed.

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Drainage changes from BDDI to IFC have yet to be agreed.
Possible drainage redesign will delay commencement
IFC design incomplete for trackwork construction.

Edinburgh Park Bridge

Progress

2 weeks lost in the period. Track containment detail
Formwork reinforcement and concreting to track containment slabs have
commenced in the period. Anticipated completion is the 7 April 2010, 42
weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Structure changes from BDDI to IFC have yet to be agreed.

Track Work Edinburgh Park Station – Edinburgh Park Central

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 1 March 2010, anticipated completion will be
24 November 2010, 58 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.
Earthworks changes from BDDI to IFC have yet to be agreed.
Drainage changes from BDDI to IFC have yet to be agreed.
IFC design incomplete for trackwork construction.
IFC scope of works will increase duration of construction activities.

4.1.3.8 Section 5C Edinburgh Park Central to Gogarburn

Trackwork Edinburgh Park Central – Gyle Centre

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 8 June 2010, anticipated completion will be 6
June 2011, 113 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.
Earthworks changes from BDDI to IFC have yet to be agreed.
Drainage changes from BDDI to IFC have yet to be agreed.
Utility diversions have yet to be completed.
IFC design incomplete for trackwork construction.

Gyle Tram Stop Retaining Wall

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 1 March 2010, anticipated completion will be
10 November 2010, 122 weeks later than indicated on Programme (Rev 1).

Bilfinger Berger – Siemens – CAF Consortium

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

IFC scope of works will increase duration of construction activities.

Revised estimate for Scottish Power cable has yet to be agreed.

Depot Access Bridge

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 25 March 2011, 60 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

IFC scope of works will increase duration of construction activities.

A8 Underpass

Progress

Time lost in the period 2 weeks. Non availability of piling rig

Carriageway diversion for phases 1 & 2 has been completed in the period.

Piling recommenced on 8 February 2010.

Anticipated completion is 12 August 2011, 107 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC have yet to be agreed.

Utility diversions are incomplete.

Scope of Utility protection measures have not been agreed.

Trackwork Gyle Centre to Depot Stop

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 28 March 2011, anticipated completion will be 19 December 2011, 65 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.

Earthworks changes from BDDI to IFC have yet to be agreed.

Drainage changes from BDDI to IFC have yet to be agreed.

IFC design incomplete for trackwork construction.

IFC scope of works will increase duration of construction activities.

Track Work Depot Stop – Gogarburn

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 27 April 2010, anticipated completion will be 2 February 2011, 60 weeks later than indicated on Programme (Rev 1).

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Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.
Earthworks changes from BDDI to IFC have yet to be agreed.
Drainage changes from BDDI to IFC have yet to be agreed.
IFC scope of works will increase duration of construction activities.

4.1.3.9 Section 6A Depot

Earthworks/Drainage

Progress

Drainage works to parking and building area have continued.
Time lost in the period 3 weeks. Stabling earthworks have not commenced - piling and drainage changes have not been agreed.
Assuming recommencement on 1 March 2010, anticipated completion will be 26 August 2010, 93 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Drainage changes from BDDI to IFC have yet to be agreed.
Piling changes from BDDI to IFC have yet to be agreed.

Trackwork

Progress

No activities carried out during period.
Time lost in the period 4 weeks.
Assuming commencement on 27 April 2010, anticipated completion will be 21 September 2011, 104 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.
Earthworks changes from BDDI to IFC have yet to be agreed.
Drainage changes from BDDI to IFC have yet to be agreed.
IFC design incomplete for trackwork construction.

Depot Building

Progress

1 week lost in the period – weather has delayed concrete pours
Roof cladding has been completed in the period.
Wall cladding activities have commenced.
Floor slab has continued the period.
Tram pit construction has commenced.
RC work to lift pit has commenced
Anticipated completion is 16 June 2011, 87 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Numerous Changes from BDDI to IFC have yet to be agreed.

Depot Substation

Progress

No activities carried out during period.
Time lost in the period 4 weeks.

Bilfinger Berger – Siemens – CAF Consortium

Assuming commencement on 13 April 2010, anticipated completion will be 28 October 2010, 85 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Issued IFC drawings will be subject to further change.

Access Roads

Progress

Time lost in the period 4 weeks. Quality issues with formation

Anticipated completion will be 15 March 2011, 79 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Soil nailing/revised slope solution requires resolution.

Issued IFC drawings will be subject to further change.

Changes from BDDI to IFC have yet to be agreed.

4.1.3.10 Section 7A Gogarburn to Edinburgh Airport

Gogarburn Culvert No 1

Progress

Now substantially complete.

Issues and Concerns

None.

Gogarburn Bridge

Progress

2 weeks lost in the period - Quality issues with concrete to wing walls.

Parapets construction has been completed to the SW and NW.

SE & SW reinforced earth wall has been completed and blinding concrete has been placed.

Anticipated completion is 26 March 2010, 43 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

IFC detail for transition slabs outstanding.

Trackwork Gogarburn to Ingliston Park & Ride

Progress

No activities carried out during period.

Time lost in the period 4 weeks.

Assuming commencement on 1 March 2010, anticipated completion will be 13 December 2011, 84 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Changes from BDDI to IFC including landfill treatment have yet to be agreed.

IFC scope of works will increase duration of construction activities.

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Gogarburn Culvert No 2

Progress

Culvert substantially complete.

Issues and Concerns

None.

Gogarburn Culvert No 3

Progress

Now substantially complete.

Issues and Concerns

None.

Gogarburn Retaining Wall

Progress

Commenced drainage adjacent to wall to allow removal of existing flood bund

Earthworks to form new flood bund commenced in the period.

Time lost in the period 4 weeks.

Assuming commencement of IFC scope on 1 March 2010, anticipated completion will be 8 October 2010, 82 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Revised design may delay commencement.

Changes from BDDI to IFC have yet to be agreed.

Trackwork Ingliston Park & Ride to Edinburgh Airport

Progress

No activities carried out during period.

Clause 80.15 letter received for drainage works.

Time lost in the period 4 weeks.

Assuming commencement on 24 March 2010, anticipated completion will be 12 January 2011, 66 weeks later than indicated on Programme (Rev 1).

Issues and Concerns

Trackwork changes from BDDI to IFC have yet to be agreed.

Earthworks changes from BDDI to IFC have yet to be agreed.

Drainage changes from BDDI to IFC have yet to be agreed.

IFC design incomplete for trackwork construction.

4.2 E&M SYSTEMS

4.2.1 OLE (Overhead Line Equipment)

Design

OLE Design continues to be modified to accommodate changes resultant from Road Safety audit and Services conflicts.

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Approvals and Consents

Planning consents Informatives for Building Fixings for City Centre areas formally submitted for approval. Response is awaited.

Issues and Concerns

Programme issues remain unchanged from last report.

Production

All building fixing material is stored at Coatbridge. Building fixing installation is planned to commence February 2010, subject to granting of traffic management approval. Installation by Siemens will start several months ahead of the sequence defined in the Programme, to mitigate overall programme delay.

As reported in previous months, the manufacturing of most OLE hardware (copper cables, OLE components, steel precasts) is partly completed, partly still deliberately on hold, to mitigate “cost-over-time” factors, and until such time as a reasonable amount of OLE installation can be programmed to start.

All tapered OLE poles are currently under production to mitigate further cost risks and to be ready for installation.

Raw material for all stepped poles is ordered, fabrication will be started in March 2010 to mitigate further cost risks and be ready for installation.

4.2.2 TPS (Traction Power Supply)

Design

No update since last report. TPS E&M design is substantially complete.

Approvals and Consents

Details of disconnecter cabinets submitted for review. response awaited.

Issues and Concerns

Same comments as mentioned in “OLE” above.

Production

Despite the very good progress of TPS manufacturing, most of it temporarily on hold in Germany and pending shipment about March 2010, no installation is foreseeable in the short term on the Site, as the construction of the TPS buildings has not yet started.

4.2.3 TRW (Trackwork)

Design

- Basic Design, submittals to *tie* in the reporting period:
 - Rheda City Floating Slab (Rev. B) #055632
 - VAE Flangeway Study Rev.2) # 058001
 - VAE Flangeway Study (Rev.1) #0558002

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- Detailed Design, submittals to **tie** in the reporting period:
 - Drainage Boxes on Guided Busway Adjustment to existing manholes (Rev. A) #055996
 - VAE Turnout Drawings (Various Revisions)
 - VAE Turnout Geometries drawings (various Revisions) #058040 + #058041
 - Set Transition Rail straight 49E1/60R2 twist 49E1 1:40 in the transition area (Rev. A)
 - Direct Fixation Typical Section (Rev. B) #055719

Approvals and Consents, RoR's

- Basic Designs reviewed and endorsed by **tie** with Level A or B in the reporting period:
- Detailed Designs reviewed and endorsed by **tie** with Level A or B in the reporting period:
 - Track Layout Section 6 drawings #055962 and #055964 Rev. C
 - Depot Workshop Detailed Track Layout (Rev.A)
 - Tram Section on Guided Busway Gully Sump Grating Cover Fixing Details (Rev. A)
 - System Wide – Generic Track type Transitions Ballast to Rheda City/Direct Fixation Track (Rev. A)
 - Drainage Boxes at Guided Busway Adjustment to Existing Manholes (Rev. A)
 - Rheda City C track at Tramstops Details and Location of Drainage Boxes (Rev. B) Level A.

Issues and Concerns

- Groundborne Noise & Vibration Issues may influence the TRW design and programme. Siemens portion of Basic Design Rheda City Floating Slab is submitted to **tie**, SDS portion pending preparation of an Estimate. **Tie** to review the report ASAP and provide comments to avoid any abortive civil design works. Based on integrated design BSC will provide a cost estimate to carry out the construction work. BSC INTC 0515 for the Trackwork Basic Design Floating Slab was sent. BSC still await confirmation from **tie**.
- Still unresolved final trackform design to overcome 275 kV cable and Scottish Power Tunnel at Leith Walk. MUDFA as built drawings as basis for further design development not available as yet.
- Trackform location overview submitted to **tie**. This overview includes already minor changes to the Infraco Agreement. One change is the already agreed trackform change at the guided busway other changes are mostly additional pedestrian crossings. BSC has identified and registered this matter under INTC-0411 and will provide the commercial proposal soon. **Tie** to confirm this trackform location overview.
- Still no track solution for Victoria Dock Entrance Bridge and Tower Place Bridge available (due to extremely reduced vertical clearance). A Rheda City solution is due to construction height and structural load constraints

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not possible for these two structures. Therefore BSC decided to go back to original SDS track design, which at time of novation was not yet sufficiently completed and presently needs to further progress.

- Changes in Design and Change Orders may influence the TRW programme, exact impact has not yet been evaluated.
- Ground conditions and utilities that cannot be / have not been relocated to lower levels may influence the TRW design and programme.
- **Tie's** objection (endorsed with Level C) to several S&C designs submitted so far prevents further progress of their design and start of their manufacturing. We clarify that these are very long lead time components (approx 6 months).
- Wheel-rail interface concerns of **tie** at turnouts closed out during 11th December 2009 meeting held under participation of ORR and **tie**. Fortunately, the subsequent closeout of several **tie** RoR comments and update design status to "Level B" is allowing the S&C design to progress again.
- Need to agree on derailment containment provision in a few locations based on confirmed trackform at specific location.

Following design activities are planned within the reporting period

- Rail-Wheel Interface final clarifications (MNU Report) based on agreements reached on presentation 11 December 2009.
- Consecutive update of Basic Design Documents based on internal review comments and **tie** RoR.
- Consecutive update of Detailed Design documents based on internal review comments, **tie** RoR and current SDS design status.

Production

- Track construction at the Guided Busway outbound is substantially finished (save as cleaning, snagging). Concreting track slab out bound track is ongoing. Due to the unusual severe weather all construction work was stopped until the 3rd week of January 2010.
- Earthing and Bonding installation outbound ongoing.
- Concreting track slab outbound track ongoing.

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Following production activities are planned within the reporting period:

- Track Installation on the Guided Busway, planned to finalised until mid of March 2010 approximately.
- Preparation Edinburgh Park Bridge and Edinburgh Park Station for track construction.
- No access to any new Site for trackworks construction appears feasible until approximately March 2010.

4.2.4 DWE (Depot Workshop Equipment)

Design

Design is ready also for some smaller equipment related to some contractual clarification and agreement (Infraco Change Proposals sent to **tie**, unresponded).

tie's RORs Level A approval is obtained for the following design submittals:

- Underfloor Wheel Lathe,
- Measuring Equipment,
- Service vehicles
- Crane
- Tools
- Shop Equipment part 1

tie's RORs Level B approval is obtained for the following design submittals:

- Washing Plant,
- Lifting Plant and
- OCL Safety Lock Concept

Clarification process (from **tie** to BSC and vice-versa) to **tie's** RoR comments is ongoing.

Related SDS civil works detailed design (foundations, cableways, pits, etc.) is progressing, following the Siemens detailed design of equipment.

The following detailed design is actually submitted:

- Shop Equipment Part 2

all in support of procurement of long lead time items and to provide design input. In order to finalise the procurement of all equipment subject to design submittals the topics mentioned under "Issues and Concerns" needs to be clarified.

Technical meetings with the tram maintenance for the performance requirements of the equipment are conducted and will be followed up.

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Approvals and Consents

Essentially, DWE does not require Approvals nor Consents of external Approval Bodies, but only, the formal review by *tie*, as stated above under “Design”.

Comments from *tie* have been received to the submittals of:

- Underfloor Wheel Lathe Submittal
- Crane Submittal
- Storage Loads
- Lifting Plant Submittal
- Washing Plant Submittal
- Service Vehicles
- Shop equipment Part 1
- Tools
- OCL Safety Lock Concept

all have been answered and resubmitted except the Washing Plant and Lifting Plant.

Further comments given with *tie's* ROR to the Washing Plant and Lifting Plant latest Submittals will be answered after clarification on the comments have been completed.

An Infraco Change proposal has been presented to substitute the original full-sized forklift vehicle by a smaller, motorized hand propelled pallet stager, to cancel ultrasonic cleaning bath and arc welding kit and deliver in addition a bogie turntable.

A further Infraco Change Proposal has been presented to put straight the tram throughput within the washing plant.

Issues and Concerns

In order to finish the outstanding DWE design submittals, acceptance of the above Infraco Change proposals is required, especially for placing the order for the turntable.

Since the acceptance of the change proposal for the turn table was not given within the requested time period, the order could not be placed until now. Therefore the turn table can not go in parallel to the Lifting Plant production and installation and additional efforts will be necessary to arrange an additional truck transport and flights for a separate installation team.

Delays to Site availability.

In view of the magnitude of the overall programme delay exceeding one full year, Siemens confirms having deliberately postponed the procurement and/or the production process of several equipment and materials, in order to mitigate the “cost-over-time” factors (extended storage, expiration of

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manufacturer warranties, obsolescence for high-tech items, risk of theft, loss or damage). This shall not be construed as concurrent delay, but as a deliberate management measure to reduce cost of delay. Siemens shall ensure that all items whose procurement is so postponed shall still be timely delivered before actually needed on the site, i.e., within the float of the subsequent installation activities as already delayed in the programme.

Production

Procurement of DWE long lead items is well underway. For other items procurement is postponed according to mitigation strategy above. Orders placed for underfloor wheel lathe, underfloor lifting plant, washing plant and crane.

Postponement of the production process has been initiated as far as possible and reasonable. This will be followed up according to the project progress and adapted as far as possible.

Current expected production completion dates are:

- underfloor wheel lathe - May 2010
- underfloor lifting plant May 2010
- washing plant May 2010
- crane March 2010

4.2.5 Signalling, Communication, SCADA, PIS, PA

Design

Signalling

New received Records of Review (RORs) comments from **tie** for the interlocking and VICOS screen layouts have been responded and if relevant revised submissions will be published to **tie** in due course. It has been observed that a number of new comments were made which already could have been addressed in previous review cycles. BSC are requesting a structured submission review from **tie** to avoid such additional review cycles

SCADA, PIS, PA (RailCom Manager), PABX, Radio

All detailed designs have been submitted to **tie**, and all ROR comments have been responded. Review clarification meeting was held on RailCom Manager Design, several follow-up meetings were held as well, closeout of ROR comments is progressing.

Walk through of the Operator Interface Detailed Design document and engineered system to date was reviewed by **tie** representatives in January 2010 in Ashby meeting the objective of finalising graphical and system response elements of the design with **tie**.

Updated revision of Tramstop Equipment Cabinet detailed design submitted Ofcom have issued notice of revised frequencies to attempt to mitigate the inter-modulation products at Edinburgh Castle radio site, initial indications show number of intermodulation products has been reduced but some still

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exist like to cause interference to ETN radio system, BSC currently in further discussions with Ofcom

Updated test specification for on-board tram radio, modified after the FAT tests of the first tram vehicle in Irun issued

All fibre cables for Communication systems and Scada now ordered, delivery due April 2010.

Approvals and Consents

Information for formal submissions for consent of PID, PA, PHP has been provided in support of overall Tramstop submission.

Joint FAT of CAF and Siemens for TPDS onboard computer and radio equipment completed, minor issues with signal levels. CARs to be acted upon by CAF, Siemens await date from CAF for repeating the tests at Wildenrath.

Issues and Concerns

Delays to Site availability.

Same general comment as for OLE above (mitigation strategy in procurement).

Ticket Vending Machine details which will be required to complete design by Com / SCA and obtain consents (free issue from TEL) have not been provided. No progress of this item. Continuing unresolved item.

Production

Interlocking application engineering and hardware manufacturing are well in progress. The first interlocking FAT is envisaged for April 2010.

Note: Although procurement is being postponed as a cost mitigation measure, any residual risk of extended storage, expiration of manufacturer warranties, obsolescence of electronic items, risk of theft, loss or damage of the delivered equipment will be attributed to the ongoing EOT discussions.

The hardware FAT of the first tramstop cabinet was carried out on 9 February 2010 Results to be issued to **Tie**.

The hardware FAT of the depot PABX has been planned for March 2010.

The hardware FAT of Substation DC charger planned for April 2010.

The hardware FAT of Control Centre UPS planned for May 2010.

The hardware FAT of Point Machines planned for March 2010.

All radio equipment (lineside as well as onboard) is manufactured and kept in storage at different locations.

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Manufacturing of most communications and SCADA is also well underway, several months ahead of any realistic start-up date of its installation on the Site.

Increased floor space at the COMS/SCADA Ashby site has been allocated for the set-up of the associated sub-systems ready for the commencement of integration testing following the manufacture of the equipment.

The manufacture of the two prototype Tramstop PID poles is planned for completion in February 2010. These will then be delivered to Edinburgh available for utilisation on the pilot Tramstop installation.

4.2.6 TLC (Traffic Light Control)

General

As reported in last period, all Princes Street junctions covered by first **tie** Change Order (J41, 32, 37, 38, and 39) are now cut over and in service, since the last week of November 2009, from a traffic signalling perspective. Work was conducted under heavy disruption. BSC will present a claim under the protection clauses to Siemens in the PSSA agreement.

Additional site works to be carried out following OLE installation on Princes Street.

Design

As a mitigation to overall programme delay, Siemens has manufactured a temporary TLC stock “in good will”, while waiting for **tie** to issue the Change Order for the full TLC scope. ELV Tram signal head optical and environmental testing has been concluded. Customer FAT date to be agreed prior to manufacturing.

Approvals and Consents

No current Issues to date to report, especially since the TLC scope has not yet been incorporated to the Infraco scope of the Contract.

Issues and Concerns

Only the TLC scope for the first 6 junctions at Princes Street was contracted by **tie** to BSC. Awaiting approval of remaining TLC scope (in lieu of the original Provisional Sum). Price negotiations ongoing with **tie**.

Production

No production ongoing, except as reported above.

4.2.7 HV/LV - Supply

Design

No comments

Approvals and Consents

Third parties, outside LOD, way leaves are in progress.

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Issues and Concerns

Clarification on approach in light of delays to preceding site works, specifically Gogar Depot. Same general comment (mitigation strategy in procurement) as for OLE above.

Lack of confirmation of Electricity supplier continues preventing progress with location of meters.

Production

Trenching and cabling by Core has been completed for the Gogar HV power supply line to just short of A8 Underpass.

No further work is possible in this line, until completion of the A8 underpass works.

4.3 Trams

See attached programme updated with one period report in advance, thus to 23 March 2010.

4.3.1 Design

Detailed design is considered finished except for the free issue equipment system for which there is not enough information.

Free issue equipment to CAF:
This definition refers to:

- TPDS and Radio supplied by Siemens, closed.
- Bus Tracker supplied by *tie*

4.3.2 Procurement

Procurement for the trams is going according to programme.

4.3.2.1 Delivery of Materials

Delivery of materials is going according to manufacturing needs.

For the materials that are not available in CAF, CAF will evaluate the impact of not having these materials delivered and available as and when it is necessary to meet manufacturing. Meanwhile, the trams will be assembled without those materials.

4.3.3 Manufacturing

CAF manufacturing process started at beginning of December 2008.

The status is detailed on document “Estado fabricación Edimburgo 09-02-2010”. This document shows the manufacturing status up to 9 February 2010.

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Unit 6 is finished ready to go to the testing bay. Units 7, 8, 9, 10 and 11 are in the finishing and assembly area and bodysell manufacturing goes up to unit 18.

4.3.4 Testing in CAF Irun

CAF intends to test all equipment on the different phases of the testing process (CAF premises, Test Track and Edinburgh Tram Network) according with the protocols agreed with the customer and in cooperation with the suppliers of each equipment, including Free Issue Equipment delivered by Siemens (TPDS and Radio) and Bus Tracker (*tie*).

With the material and information available today CAF will perform as many of the agreed tests as possible.

Trams No 4 and 5 are in testing area at CAF Irun premises.

4.3.5 Dynamic Testing at Wegberg-Wildenrath

CAF has been performing static and dynamic tests for tram No1 and tram No2 at the Wegberg-Wildenrath Test and Validation Centre of Siemens since mid January 2010.

Unit 1 and Unit 2 should have their dynamic tests finished by the end of March 2010 and consequently they will ready to be delivered to Edinburgh at the end of March/beginning of April 2010.

4.3.6 Delivery of Trams to Edinburgh

CAF will fulfil its contractual commitments and will be ready to deliver trams to Edinburgh in accordance with its contractual programme.

CAF's contractual delivery commitments included the delivery of the first unit on 9 April 2010 and the following month, the simultaneous delivery of tram units No 2, 3, 4 and 5 by 10 May 2010. In order to fulfil those tough commitments, for manufacturing reasons and transport reasons, CAF had to manufacture the first units in advance of the contractual programme milestone.

At the present moment, unit 3 is ready for delivery after completing testing at CAF Irun premises.

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4.4 SYSTEMS INTEGRATION

4.4.1 EMC

4.4.1.1 Earthing & Bonding

Clarification of individual civil structures is ongoing.

Where it has not been practicable to timely incorporate E&B measures to SDS IFC Design (e.g. in Princes Street), they are being issued as CVI, incorporated into BSC's pre-pouring QC checklists, and shall be included in the final as-built drawings.

Checking of SDS drawings against the requirements specified in the CVI's for IDR/IDC.

Magnetic Field Calculations have been revised. Report has been submitted.

4.4.1.2 Stray Current

Responses to *tie* comments on Code of Practice and Stray Current Strategy have been submitted.

4.4.1.3 Network Rail Immunisation

Revision of Psophometric Study has been submitted.

Immunisation calculation discussed with independent verifier Tim Green/Atkins, revision ongoing.
Please refer to item 4.4.2.2 as well.

4.4.2 System Assurance

4.4.2.1 Deliverables / Documents issued

- HFI OCC – CCD Report issued to *tie*
- HFI OCC Plan – updated to *tie* comments and re-issued

- Risk Assessment - Tramstop 110v Cleaning Supply – Risk assessment issued internally for comments.

4.4.2.2 Activities completed

- Immunisation –
 - FETR Modification - VolkerRail, completed;
 - SDS / OPS issued for NR approval.
 - Meeting with Immunisation Independent Safety Assessor (ISA) to review;
 - Immunisation Calculations.
 - DC Track Cct WSF.

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- Tramstop 110v Cleaning Supply – Risk assessment held with TEL. Report written and issued for comments.
- Hazard Log Reviews –
 - SDS Hazards ongoing
 - Meetings held with Track, Signalling, SCADA, Operations (TEL)
 - Meetings planned with Electrification, Tram, Comms, Integration

4.4.2.3 Activities Ongoing and Planned:

- Hazard Log Management –
 - Update and manage Hazard Log based on Hazard owner's responses (ongoing). Based on mitigation provided by the Hazard owner the **tie** PSCC will review the hazard, rank the hazards' residual risk and confirm the if the hazard has been controlled so Far As Is Reasonably Practicable (SFAIRP) (Target Date End March 2010 for design phase)
 - Handover of Hazard Log from SDS agreed. SDS working with BSC Hazard Log to provide mitigation arguments. SDS now managing Hazards through the BSC log.
 - Reviews organised, weeks 16 & 17 2010, with PSCC Sub-Committee to review and audit Hazard Log mitigations as supplied by Hazard owners. Purpose to close hazards for design phase of project.
 - CAF Engineering Safety Management -
 - Hazard Log review planned for W/C 01st March in Zaragoza to agree CAF mitigation arguments.
- Control Room HFI Assessment–
 - HFI Alarm Assessment organised for 31st March 2010. (All alarms)
 - Manage HFI Issues Log as identified in HFI OCC Report (ongoing)
- Immunisation –
 - DC Track Cct, WSF Signalling Failure, Risk Assessment (QRA). Update report to ISA (Atkins) comments.
 - Design mitigation now being supplied with objective of being able to close hazards from a design perspective.
 - Progress design and installation for modifications to Network Rail Track Circuits in the Edinburgh area
 - A presentation is planned to the Network Rail Infrastructure Systems Review Panel (ISRP) a 'Case For Safety' to demonstrate that the two work streams that we have undertaken above have minimised the risk to the Network Rail Infrastructure ALARP. This document is due in fourth quarter of 2009.

4.4.2.4 Regular activities and attendances:

- As well as the above a number of other activities are ongoing such as regular attendance at the following meetings; PSCC, PSCC Sub-Committee, IDR/IDC, Requirements Man, SCWP.

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4.5 TESTING, COMMISSIONING AND START-UP

Mobilization of a Siemens Testing & Commissioning Manager, originally planned for the autumn of 2009, is postponed to Q2-Q3 2010 as a cost mitigation measure due to the severe delay of construction and installation works on the Site.

5 NOT USED

6 STAKEHOLDER AND THIRD PARTY ISSUES

No further Discussions have been held on the subject to agree how *tie's* existing Stakeholder Management and Communications team can be best used to mutual advantage. BSC are willing in principle to contribute in kind or cost transfer to supplement this team, rather than duplicating resources to comply with the specific requirements of the Employer's Requirements as drafted.

7 COMMERCIAL

7.1 Milestones

Preliminary Milestones Achieved in the Period:

- Month 24 Preliminaries (BB)
- Month 24 Preliminaries (S)

Construction Milestones Achieved in the Period

1149	Earthworks Depot	Car park	185,376.33
A17200	Gogar Depot	Sub/Sup-First Floor Slab GLs 20-10	185,376.33
A17200	Gogar Depot	Sub/Sup-First Floor Slab GLs 10-1	185,376.33
A17210	Gogar Depot	Building Envelope - Roof cladding	185,376.33
28	Carrick Knowe Bridge (S23)	North Abutment - abutment wall concrete	32,259.34
23	Carrick Knowe Bridge (S23)	South abutment excavate and blind	32,259.34

Siemens Milestones

A8470	Lothian Road Junction Ch 440 - 280	Street Surface Finishes	44,420.58
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Siemens Immunisation Milestones

1.1	Network Rail Immunisation Milestone 1.1	00D1 Network Rail Immunisation	66,820.28
1.2.1	Network Rail Immunisation Milestone 1.2.1	00D1 Network Rail Immunisation	66,141.83
1.2.2	Network Rail Immunisation Milestone 1.2.2	00D1 Network Rail Immunisation	92,420.33
1.3	Network Rail Immunisation Milestone 1.3	00D1 Network Rail Immunisation	29,760.27
1.4	Network Rail Immunisation Milestone 1.4	00D1 Network Rail Immunisation	21,490.15
1.5.1	Network Rail Immunisation Milestone 1.5.1	00D1 Network Rail Immunisation	20,245.79
1.5.2	Network Rail Immunisation Milestone 1.5.2	00D1 Network Rail Immunisation	15,263.01
1.6.1	Network Rail Immunisation Milestone 1.6.1	00D1 Network Rail Immunisation	15,041.33
1.6.3	Network Rail Immunisation Milestone 1.6.3	00D1 Network Rail Immunisation	35,705.18

Milestones Programmed but not Achieved

Regular discussions take place now between **tie** and BSC on the subject of Milestones and the Milestones Programmed but not achieved are recorded elsewhere.

7.2 CHANGE MANAGEMENT

7.2.1 The BSC Change Register is presented in Appendix 10.7.

557 Changes have been notified to 12 February 2010 - 70 by **tie** and 487 by Infraco.

70 of these Changes have been superseded by further Changes or withdrawn therefore there are 487 current Changes.

Of the 487 notified Changes, 237 have been accepted in principle, 54 have been rejected and 196 have neither been accepted nor rejected by **tie**,

72 of these Changes have a delay only impact and will not require a design/construction Estimate (the impact of these is reflected in the various entitlement programmes submitted to **tie**).

Therefore there are 415 Changes requiring Estimates.

Infraco has submitted to **tie** Estimates for 292 Changes for design only or for design and construction works.

The total Consortium value of the submitted Estimates is £65,206,000 including £12,714,000 for non-scope work on Bernard Street and St Andrew Square.

134 of the 292 submitted Estimates have been partly agreed by issue of a **tie** Change Order (application of preliminary percentages requires to be

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amended as a result of agreement on the percentage addition for preliminaries – **tie** have responded to BSC letter in this regard and is under review). The value of Change Orders issued by **tie** is £12,429,000.

There are 123 remaining notified Changes for which Estimates are required. In addition, a further 37 construction Estimates need to be prepared for Changes for which a design only Estimate has been submitted to date.

It is not possible to prepare 83 of the Estimates until an SDS design Estimate is received, validated by BSC and approved by **tie**, and a revised design is obtained from the SDS Provider.

Prioritisation of the remaining Estimates is aligned with the latest intended construction sequence.

A graphical pie chart is presented in Appendix 10.7.

Included in a number of **tie's** Change Order Pro-formas; "Relief required from compliance with Infraco obligations under the contract", "Programme impact and required Extension of Time", "Impact on Performance" remains unresolved for a number of the Changes.

The main reasons for not issuing Change Orders are: Change not agreed in principle, Estimates not yet submitted, figures in estimates not agreed, Base Date Design Information not agreed.

Recently, **tie** has responded to a number of submitted Estimates asserting that the identified Change is normal development and completion of design. BSC generally rejects this assertion.

The complexity, nature and amount of changes have overloaded the change mechanism included in the Infraco contract, because the Estimates cannot be submitted within the time frame requested in the contract and also due to the fact that the overall impact to the Programme from a given change cannot be assessed on an individual basis. It has been agreed between **tie** and BSC that the estimates submitted by BSC will only deal with direct related effects (costs) of each Change. Time related effect will be assessed separately.

Dispute Resolution Procedure:

- Dispute 01 – Valuation of EOT1 (INTC No.1)
Referred by **tie** 11 August 2009
Settlement reached in Mediation
- Dispute 02 – Hilton Car Park
Referred by **tie** 11 August 2009
Adjudicator awarded redress sought by **tie**
- Dispute 03 – Gogarburn Bridge
Referred by **tie** 24 August 2009
Adjudicator rejected redress sought by **tie**

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- Dispute 04 – Carrick Knowe Bridge
Referred by **tie** 24 August 2009
Adjudicator rejected redress sought by **tie**
- Dispute 05 – Russell Road Retaining Wall 4
Referred by Infraco 04 September 2009
Adjudicator awarded redress sought by Infraco
- Dispute 06 – Delays Arising from MUDFA Programme Rev 8
Referred by Infraco 04 September 2009
Suspension of Dispute Resolution Process timescales has concluded and the DRP has resumed
- Dispute 07 – Haymarket Viaduct
Referred by **tie** 09 October 2009
Settlement reached during Internal DRP
- Dispute 08 – Baird Drive Retaining Wall
Referred by **tie** 15 January 2010
- Dispute 09 – Balgreen Road Retaining Wall
Referred by **tie** 15 January 2010
Settlement reached during Internal DRP
- Dispute 10 – Section 7A Drainage
Referred by **tie** 10 February 2010
- Dispute 11 – Depot Access Bridge
Referred by Infraco 12 February 2010

8 RESOURCES

8.1 Organisation Charts

Consortium and Systems organisation charts are included in this report.

See Appendix 10.8.

9 OTHER ISSUES

No comments.

10 Appendices

10.1 KPI Report

Contractor Period H.S. & E. Return



To be completed and returned to tie Ltd (Pauline Goldie Pauline.goldie@tie.ltd.uk) by the Thursday of week 1 for each period (a period is 4 weeks, for dates of start and finish please contact Pauline)

RETURN DATA

Contractor –

BSC

Date completed –

3 February 2010

Year –

09/10

Period –

2-11

PEOPLE DATA

Average number of direct employees on ETP –

161

Hours worked of direct employees on ETP –

22680

Average number of subcontract / others inc visitors on ETP –

286

Hours worked of subcontract / others inc visitors on ETP –

40287

Number of work sites –

5

INCIDENT DATA (leave blank if none)

	DIRECT	SUBCON	M.O.P.
Fatal			
Major			
Over 3 day			
Dangerous Occurrence			
Reportable Disease			
Injury – Non RIDDOR		1	
Near Miss/ Unsafe Condition		6	
Service Damage		1	
RTA (in and around ETP)			
Positive intervention (if measured)			
Environmental Incident			

ENFORCEMENT NOTICE / VISIT DATA

	NOTICE	VISIT
H.S.E Enforcement		
SEPA		
Local Authority		
Other		

CONTRACTOR AUDIT / INSPECTION DATA

	PLANNED	ACTUAL
Inspections	16	20
Audits	0	0

Please supply supporting data for all RIDDORs, Service Damages and ENF visits if not previously submitted. Rev0

CEC00630014_0054

10.2 Programme Update

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008												2009												2010												2011												2012												2013															
						CNDJFMAVJJJASO												CNDJFMAVJJJASO												CNDJFMAVJJJASO												CNDJFMAVJJJASO												CNDJFMAVJJJASO												CNDJFMAVJJJASO															
Edinburgh Tram Programme rev1 Progress to 19 February						1352	21-Sep-07 A	11-Mar-13	0																																																																								
Design Stage Consents						266	28-Sep-07 A	04-Mar-10	757	04-Mar-10, Design Stage Consents																																																																							
A17260	Forth Ports	100	28-Sep-07 A	04-Mar-10	757																																																																												
A17270	Network Rail	100	28-Sep-07 A	04-Mar-10	757																																																																												
A17300	British Airports Authority	75	28-Sep-07 A	19-Feb-10	767																																																																												
A17310	Stakis Hotels	100	28-Sep-07 A	16-Oct-09 A																																																																													
A17320	Other 3rd Parties	100	28-Sep-07 A	04-Mar-10	757																																																																												
A17330	Network Rail APA	0		14-May-08 A		◆ Network Rail APA																																																																											
TIE Consents						350	28-Sep-07 A	09-Apr-10	604	09-Apr-10, TIE Consents																																																																							
A17280	Obtain TTRO's	100	28-Sep-07 A	25-Apr-08 A																																																																													
A17290	Obtain TRO's	350	28-Sep-07 A	09-Apr-10	604																																																																												
Advanced Works Contract						604	01-Oct-07 A	18-Mar-10	747	18-Mar-10, Advanced Works Contract																																																																							
161	Award Advanced Works/Mobilisation Contract	0	01-Oct-07 A			Award Advanced Works/Mobilisation Contract																																																																											
Advance Construction Works						504	17-Mar-08 A	18-Mar-10	747	18-Mar-10, Advance Construction Works																																																																							
A1520	Site Clearance Area 7 (trees and bushes)	10	27-Mar-08 A	19-Feb-10	177																																																																												
A1525	Site Clearance Area 5 (trees and bushes)	10	17-Mar-08 A	02-Mar-10	760																																																																												
A1530	Temporary Fencing Area 7	20	19-Feb-10*	18-Mar-10	747																																																																												
A1540	Plant Crossing (Castle Gogar Road)	5	19-Feb-10*	25-Feb-10	762																																																																												
A1550	Soil Strip	5	19-Feb-10*	25-Feb-10	762																																																																												
A1560	Excavate (at Depot)	20	19-Feb-10*	18-Mar-10	747																																																																												
A1570	Divert Cycleway at Gogarburn and erect hoarding (RBS V	15	19-Feb-10*	11-Mar-10	752																																																																												
A17250	Place Surcharged Embankment (at Gogar East)	15	19-Feb-10*	11-Mar-10	84																																																																												
Key Dates						1200	15-May-08 A	11-Mar-13	0																																																																								
170	AWARD CONTRACT	0	15-May-08 A			◆ AWARD CONTRACT																																																																											
270	Mobilisation	20	15-May-08 A	12-Jun-08 A																																																																													
280	Commence Phase 1a	0	15-May-08 A			◆ Commence Phase 1a																																																																											
281	Construction Completion Phase 1a Edinburgh Airport to H:	0		09-Jul-12	65																																																																												
310	Commencement of Revenue Service Phase 1a Edinburgh	0		05-Jan-13	65																																																																												
311	Construction Completion Phase 1a Haymarket to Newhavr	0		12-Sep-12	0																																																																												
312.8	Commencement of Revenue Service Phase 1a Haymarke	0		11-Mar-13	0																																																																												
313	Section Completion A	0		01-Jul-11	619	◆ Section Completion A																																																																											
314	Section Completion B	0		30-Jan-12	406	◆ Section Completion B																																																																											
315	Section Completion C	0		12-Sep-12	180	◆ Section Con																																																																											
325	Section Completion D	0		11-Mar-13	0	◆																																																																											
Commissioning Phase 1a Edinburgh Airport to Haymarket						171	10-May-12	05-Jan-13	46	05-																																																																							
295	Latest date for first tram on site available for commissioning	0		10-May-12	305	◆ Latest date for first tra																																																																											
300	System Integration Test; Phase 1a Edinburgh Airport to H:	30	09-Jul-12	08-Aug-12	65																																																																												
301	Test Running and Driver Familiarisation; Phase 1a Edinbu	30	08-Aug-12	07-Sep-12	65																																																																												
302	T1 Post Commissioning Test completed; Phase 1a Edinbur	0		07-Sep-12	185	◆ T1 Post Cor																																																																											

Date	Revision	Checked	Approved
16-Feb-10		SCS	

█ Actual Work
 █ Critical Remaining Work
 Summary
█ Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008												2009												2010												2011												2012												2013																																				
						JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP				OCT				NOV				DEC																																																				
Opening Sequence B (Haymarket to Newhaven Road)						1041	15-Jul-08 A	12-Sep-12	128																																																													12-Sep-12																																
01A Newhaven Road (inc.) to Foot of the Walk (exc.)						973	30-Sep-08 A	10-Sep-12	130																																																																									10-Sep-12																				
E & M Installations						159	01-Feb-12	10-Sep-12	130																																																																									10-Sep-12																				
Newhaven to Ocean Terminal						52	01-Feb-12	12-Apr-12	237																																																																									12-Apr-12, Newhaven t																				
1A-24-OHLE-50	Installation of poles and building fixings	9	02-Mar-12	14-Mar-12	3																																																																																																	
1A-24-OHLE-60	Overhead Catenary Line	21	15-Mar-12	12-Apr-12	3																																																																																																	
A16990	Access for visual inspection for E&M wayside installation (0	0	01-Feb-12		288																																																																																					◆ Access for visual inspection for												
A17000	Access for E&M wayside installation (01A)	0	02-Mar-12		119																																																																																					◆ Access for E&M wayside in												
A17030	Access for visual inspection to cable pits for cable laying (0'	0	01-Feb-12		288																																																																																					◆ Access for visual inspection to												
A17040	Access to cable pits for cable laying (01A)	0	02-Mar-12		267																																																																																					◆ Access to cable pits for cab												
A17050	Install Electrical Cables	10	02-Mar-12	15-Mar-12	119																																																																																																	
A17060	Install Fibre Optic Cables	10	29-Mar-12	11-Apr-12	110																																																																																																	
A17070	Install Signalling Wayside Equipment	10	16-Mar-12	29-Mar-12	119																																																																																																	
Ocean Terminal to Foot of the Walk						67	08-Jun-12	10-Sep-12	130																																																																									10-Sep-12																				
1A-21/22/23-OHLE-50	Installation of poles and building fixings	13	10-Jul-12	26-Jul-12	2																																																																																																	
1A-21/22/23-OHLE-60	Overhead Catenary Line	32	27-Jul-12	10-Sep-12	2																																																																																																	
A3883	Access for visual inspection for E&M wayside installation (0	0	08-Jun-12		196																																																																																					◆ Access for visual ins												
A3884	Access for E&M wayside installation (01A)	0	10-Jul-12		12																																																																																					◆ Access for E&M v												
A3898	Access for visual inspection to cable pits for cable laying (0'	0	08-Jun-12		196																																																																																					◆ Access for visual ins												
A3899	Access to cable pits for cable laying (01A)	0	10-Jul-12		175																																																																																					◆ Access to cable,p												
A3900	Install Electrical Cables	15	10-Jul-12	30-Jul-12	12																																																																																																	
A3910	Install Fibre Optic Cables	15	10-Aug-12	30-Aug-12	9																																																																																																	
A3920	Install Signalling Wayside Equipment	15	31-Jul-12	20-Aug-12	12																																																																																																	
Newhaven Road (inc.) to Ocean Terminal (exc.)						914	30-Sep-08 A	20-Jun-12	189																																																																									20-Jun-12, Newha																				
Lindsay Road Retaining Walls (W1)						691	30-Sep-08 A	26-Jul-11	79																																																																									26-Jul-11, Lindsay Road Retaining Walls (W																				
12000	Issue Construction Drawings	0		30-Sep-08 A																																																																																																		◆ Issue Construction Drawings
5	Wall B Contiguous Bored Piles	100	10-Dec-10	16-May-11	79																																																																																																	
A1710	Wall A Reinforced Earth	50	17-May-11	26-Jul-11	79																																																																																																	
Roadworks						706	22-Apr-09 A	02-Mar-12	139																																																																									02-Mar-12, Roadworks																				
11970	Issue Construction Drawings	0		22-Apr-09 A																																																																																																		◆ Issue Construction Drawings
A1090	CH 0000 to 0300	50	09-Dec-11	02-Mar-12	139																																																																																																	
A1100	CH 0300 to 0700	50	07-Jul-11	16-Sep-11	248																																																																																																	
A1110	CH 0700 to 0850	203	10-Dec-10	10-Oct-11	60																																																																																																	
Trackwork						657	22-Apr-09 A	09-Dec-11	60																																																																									09-Dec-11, Trackwork																				
11980	Issue Construction Drawings	0		22-Apr-09 A																																																																																																		◆ Issue Construction Drawings
Ch 0-265						80	18-Aug-11	09-Dec-11	61																																																																									09-Dec-11, Ch 0-265																				
1A-24A-TRCK-69	Set Track (265m) Demob 1D / Remob 1A	3	17-Oct-11	20-Oct-11	60																																																																																																	
1A-24A-TRCK-70	Set Track (265m)	25	20-Oct-11	24-Nov-11	60																																																																																																	
A15970	Establish Traffic Management & Temp. Fencing	2	18-Aug-11	22-Aug-11	64																																																																																																	
A15980	Excavate box	11	22-Aug-11	06-Sep-11	64																																																																																																	
A15990	Excavate, lay and concrete ducts	16	06-Sep-11	28-Sep-11	64																																																																																																	
A16000	Excavate and construct OLE bases	16	28-Sep-11	20-Oct-11	64																																																																																																	
A16020	Place upper concrete and cure	25	25-Oct-11	30-Nov-11	61																																																																																																	
A16030	Street Surface finishes	6	30-Nov-11	08-Dec-11	61																																																																																																	
A16040	Remove fencing and Traffic Management	1	08-Dec-11	09-Dec-11	61																																																																																																	

Date	Revision	Checked	Approved	Page 4 of 44	Actual Work	Critical Remaining Work	Summary
16-Feb-10		SCS			Remaining Work	Milestone	

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008												2009												2010												2011												2012												2013																																																																													
						JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP				OCT				NOV				DEC				JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP				OCT				NOV				DEC				JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP				OCT				NOV	
A12420	Pavement Works	12	03-Nov-08 A	20-Jul-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12430	Street Lighting / Traffic Signals / Road Signs	7	12-Jul-10	21-Jul-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12440	Remove fencing and Traffic Management	1	21-Jul-10	22-Jul-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
Foot of the Walk Ch 0 - 100		31	22-Jul-10	06-Sep-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A11970	Establish Traffic Management & Temp. Fencing	2	22-Jul-10	26-Jul-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A11980	Excavate for new channel and kerb line / remove existing	10	26-Jul-10	10-Aug-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A11990	Construct Kerb lines	13	29-Jul-10	18-Aug-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12000	Reset Gullies	13	06-Aug-10	25-Aug-10	12	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12010	Surface new channel	6	25-Aug-10	02-Sep-10	12	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12020	Pavement Works	12	18-Aug-10	03-Sep-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12030	Street Lighting / Traffic Signals / Road Signs	7	18-Aug-10	27-Aug-10	16	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12040	Remove fencing and Traffic Management	1	03-Sep-10	06-Sep-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
Leith Walk Ch 350-600		31	06-Sep-10	19-Oct-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12050	Establish Traffic Management & Temp. Fencing	2	06-Sep-10	08-Sep-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12060	Excavate for new channel and kerb line / remove existing	10	08-Sep-10	22-Sep-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12070	Construct Kerb lines	13	13-Sep-10	30-Sep-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12080	Reset Gullies	13	20-Sep-10	07-Oct-10	12	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12090	Surface new channel	6	07-Oct-10	15-Oct-10	12	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12100	Pavement Works	12	30-Sep-10	18-Oct-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12110	Street Lighting / Traffic Signals / Road Signs	7	30-Sep-10	11-Oct-10	16	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12120	Remove fencing and Traffic Management	1	18-Oct-10	19-Oct-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
Trackwork		753	10-Sep-08 A	28-Jul-11	26	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
12130	Issue Construction Drawings	0	10-Sep-08 A	10-Sep-08 A		[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
Leith Walk Ch 350-600		61	03-May-11	28-Jul-11	26	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
2nd half		30	16-Jun-11	28-Jul-11	26	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
1B-20G-TRCK-70	Set Track	10	05-Jul-11	19-Jul-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A13170	Excavate box	5	16-Jun-11	23-Jun-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A13180	Excavate, lay and concrete ducts	8	23-Jun-11	05-Jul-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A13220	Place upper concrete and cure	10	08-Jul-11	22-Jul-11	26	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A13230	Street Surface finishes	3	22-Jul-11	27-Jul-11	26	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A13240	Remove fencing and Traffic Management	1	27-Jul-11	28-Jul-11	26	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
1st half		31	03-May-11	16-Jun-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
1B-20F-TRCK-69	Set Track (250m) Demob 1D / Remob 1B	3	19-May-11	24-May-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
1B-20F-TRCK-70	Set Track (250m)	10	24-May-11	08-Jun-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12770	Establish Traffic Management & Temp. Fencing	2	03-May-11	05-May-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12780	Excavate box	5	05-May-11	12-May-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12790	Excavate, lay and concrete ducts	8	12-May-11	24-May-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12800	Excavate and construct OLE bases	8	12-May-11	24-May-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12830	Place upper concrete and cure	10	27-May-11	13-Jun-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
A12840	Street Surface finishes	3	13-Jun-11	16-Jun-11	20	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
Foot of the Walk Ch 0-100		68	30-Sep-10	19-Jan-11	14	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
Phase 1		30	30-Sep-10	11-Nov-10	11	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
1B-20A-TRCK-69	Set Track Demob 1D / Remob 1B	3	30-Sep-10	04-Oct-10	25	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													
1B-20A-TRCK-70	Set Track (50m)	6	05-Oct-10	12-Oct-10	25	[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]												[Actual Work]																																																																													

Date	Revision	Checked	Approved
16-Feb-10		SCS	

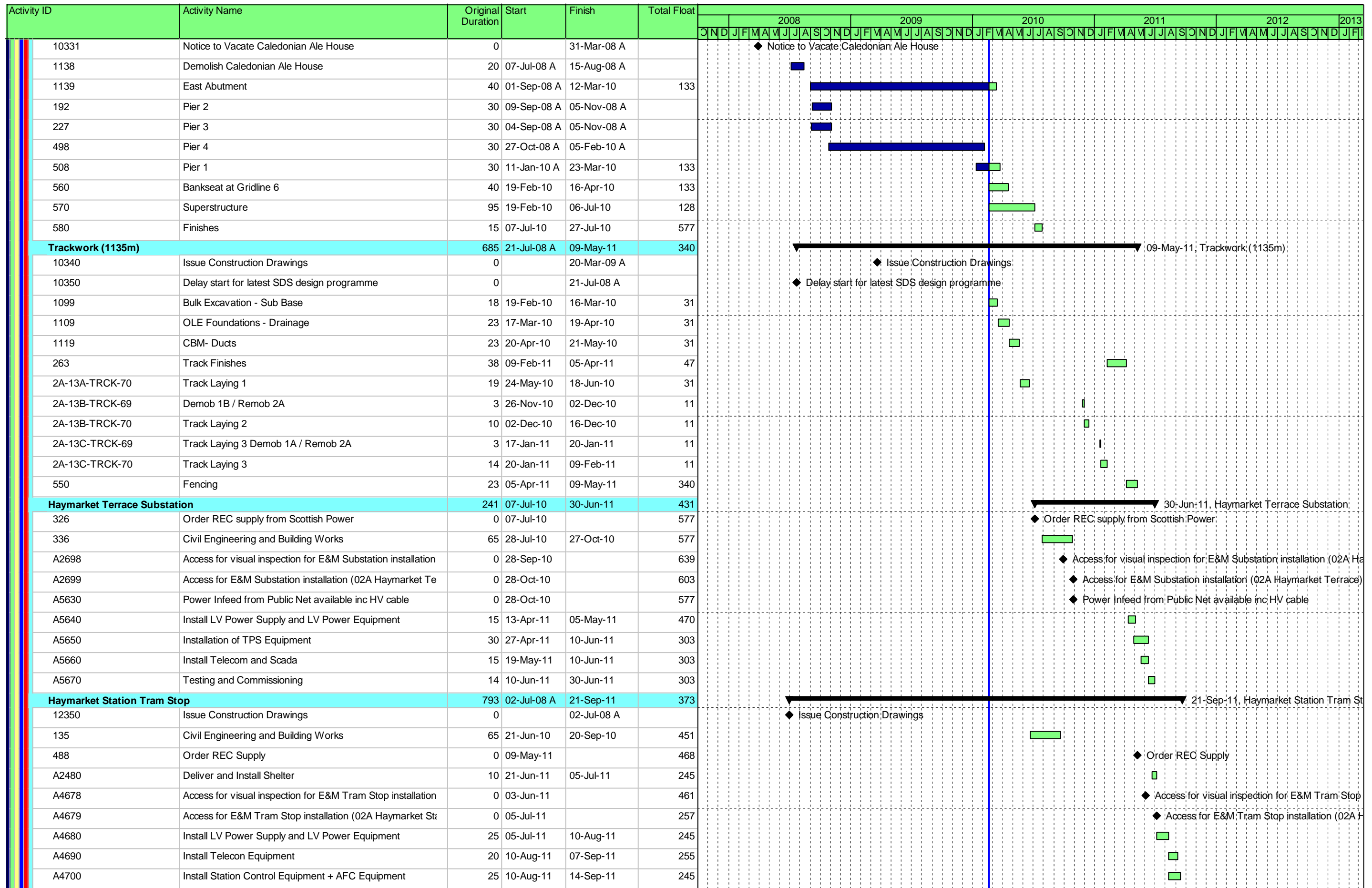
█ Actual Work █ Critical Remaining Work ▶ Summary
 Remaining Work ◆ Milestone

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008												2009												2010												2011												2012												2013											
						JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP				OCT				NOV				DEC																											
Picardy Place (inc.) to St. Andrews Square (exc.)						639	19-Feb-10	12-Sep-12	128																																																																				
Roadworks						618	19-Feb-10	14-Aug-12	149																																																																				
12230	Issue Construction Drawings	0	19-Feb-10*	-33																																																																									
Picardy Place Ch 450-700						270	15-Jul-11	14-Aug-12	149																																																																				
Phase 4						40	10-Feb-12	06-Apr-12	161																																																																				
A13610	Dummy	40	10-Feb-12	06-Apr-12	161																																																																								
Phase 3						56	09-Nov-11	10-Feb-12	45																																																																				
A13600	Dummy	40	09-Nov-11	10-Feb-12	45																																																																								
Phase 1						39	15-Jul-11	09-Sep-11	6																																																																				
A13580	Dummy	20	15-Jul-11	09-Sep-11	6																																																																								
Phase 6						40	19-Jun-12	14-Aug-12	149																																																																				
A13630	Dummy	40	19-Jun-12	14-Aug-12	149																																																																								
Phase 2						43	09-Sep-11	09-Nov-11	6																																																																				
A13590	Dummy	40	09-Sep-11	09-Nov-11	6																																																																								
Phase 5						40	24-Apr-12	19-Jun-12	149																																																																				
A13620	Dummy	40	24-Apr-12	19-Jun-12	149																																																																								
York Place Ch 700-850						92	15-Jul-11	23-Nov-11	96																																																																				
Phase 2						23	21-Oct-11	23-Nov-11	96																																																																				
A13690	Dummy	20	21-Oct-11	23-Nov-11	80																																																																								
Phase 1						69	15-Jul-11	21-Oct-11	99																																																																				
A13680	Dummy	50	15-Jul-11	21-Oct-11	80																																																																								
York Place Ch 850-1000						86	23-Nov-11	06-Apr-12	113																																																																				
Phase 1						66	23-Nov-11	09-Mar-12	113																																																																				
A13700	Dummy	50	23-Nov-11	09-Mar-12	113																																																																								
Phase 2						20	09-Mar-12	06-Apr-12	113																																																																				
A13710	Dummy	20	09-Mar-12	06-Apr-12	113																																																																								
Trackworks						538	19-Feb-10	24-Apr-12	81																																																																				
12210	Issue Construction Drawings	0	19-Feb-10*	-33																																																																									
Picardy Place Ch 450-700						108	09-Nov-11	24-Apr-12	67																																																																				
Phase 4						52	10-Feb-12	24-Apr-12	67																																																																				
1C-17C-TRCK-69	Set Track (150m) Demob 1A / Remob 1C	3	19-Mar-12	22-Mar-12	33																																																																								
1C-17C-TRCK-70	Set Track (150m)	16	22-Mar-12	13-Apr-12	33																																																																								
A16580	Establish Traffic Management & Temp. Fencing	2	10-Feb-12	14-Feb-12	45																																																																								
A16590	Excavate box	6	14-Feb-12	22-Feb-12	45																																																																								
A16600	Excavate, lay and concrete ducts	9	22-Feb-12	06-Mar-12	45																																																																								
A16610	Excavate and construct OLE bases	9	22-Feb-12	06-Mar-12	45																																																																								
A16630	Place upper concrete and cure	16	27-Mar-12	18-Apr-12	67																																																																								
A16640	Street Surface finishes	3	18-Apr-12	23-Apr-12	67																																																																								
A16650	Remove fencing and Traffic Management	1	23-Apr-12	24-Apr-12	67																																																																								
Phase 3						55	09-Nov-11	09-Feb-12	46																																																																				
1st Half (Dummy)						39	09-Nov-11	18-Jan-12	29																																																																				
1C-17A-TRCK-70	Set Track (100m)	4	28-Nov-11	10-Jan-12	0																																																																								
A16450	Establish Traffic Management & Temp. Fencing	2	09-Nov-11	11-Nov-11	6																																																																								
A16460	Excavate box	2	11-Nov-11	15-Nov-11	6																																																																								
A16470	Excavate, lay and concrete ducts	3	15-Nov-11	18-Nov-11	6																																																																								
A16480	Excavate and construct OLE bases	3	15-Nov-11	18-Nov-11	6																																																																								
A16500	Place upper concrete and cure	4	09-Jan-12	13-Jan-12	29																																																																								
A16510	Street Surface finishes	3	13-Jan-12	18-Jan-12	29																																																																								

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008												2009												2010												2011												2012												2013																																																																																								
						J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D																																																								
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2nd Half (Dummy)						45	24-Nov-11	09-Feb-12	46	09-Feb-12; 2nd Half (Dumm)																																																																																																																																																
1C-17B-TRCK-69	Set Track Demob 1A / Remob 1C	3	24-Nov-11	29-Nov-11	44																																																																																																																																																					
1C-17B-TRCK-70	Set Track	4	25-Jan-12	31-Jan-12	29																																																																																																																																																					
A16520	Excavate box	2	18-Jan-12	20-Jan-12	29																																																																																																																																																					
A16530	Excavate, lay and concrete ducts	3	20-Jan-12	25-Jan-12	29																																																																																																																																																					
A16550	Place upper concrete and cure	4	30-Jan-12	03-Feb-12	46																																																																																																																																																					
A16560	Street Surface finishes	3	03-Feb-12	08-Feb-12	46																																																																																																																																																					
A16570	Remove fencing and Traffic Management	1	08-Feb-12	09-Feb-12	46																																																																																																																																																					
York Place Ch 700-850						118	15-Jul-11	13-Jan-12	111	13-Jan-12; York Place; Ch 700																																																																																																																																																
1C-17D-TRCK-69	Track Laying Demob 5A / Remob 1C	3	08-Nov-11	11-Nov-11	0																																																																																																																																																					
1C-17D-TRCK-70	Set Track (150m)	11	11-Nov-11	28-Nov-11	0																																																																																																																																																					
A13660	Dummy	44	15-Jul-11	13-Oct-11	86																																																																																																																																																					
A16660	Establish Traffic Management & Temp. Fencing	2	03-Oct-11	05-Oct-11	114																																																																																																																																																					
A16670	Excavate box	6	05-Oct-11	13-Oct-11	114																																																																																																																																																					
A16680	Excavate, lay and concrete ducts	9	13-Oct-11	26-Oct-11	114																																																																																																																																																					
A16690	Excavate and construct OLE bases	9	26-Oct-11	11-Nov-11	114																																																																																																																																																					
A16710	Place upper concrete and cure	11	16-Nov-11	09-Jan-12	111																																																																																																																																																					
A16720	Street Surface finishes	3	09-Jan-12	12-Jan-12	111																																																																																																																																																					
A16730	Remove fencing and Traffic Management	1	12-Jan-12	13-Jan-12	111																																																																																																																																																					
York Place Ch 850-1000						98	23-Nov-11	24-Apr-12	81	24-Apr-12; York Place																																																																																																																																																
1C-17E-TRCK-69	Set Track (150m) Demob 5C / Remob 1C	3	26-Mar-12	29-Mar-12	2																																																																																																																																																					
1C-17E-TRCK-70	Set Track (150m)	11	29-Mar-12	13-Apr-12	2																																																																																																																																																					
A13670	Dummy	44	23-Nov-11	01-Mar-12	119																																																																																																																																																					
A16740	Establish Traffic Management & Temp. Fencing	2	22-Feb-12	24-Feb-12	42																																																																																																																																																					
A16750	Excavate box	6	24-Feb-12	05-Mar-12	42																																																																																																																																																					
A16760	Excavate, lay and concrete ducts	9	05-Mar-12	16-Mar-12	42																																																																																																																																																					
A16770	Excavate and construct OLE bases	9	16-Mar-12	29-Mar-12	42																																																																																																																																																					
A16790	Place upper concrete and cure	11	03-Apr-12	18-Apr-12	39																																																																																																																																																					
A16800	Street Surface finishes	3	18-Apr-12	23-Apr-12	39																																																																																																																																																					
A16810	Remove fencing and Traffic Management	1	23-Apr-12	24-Apr-12	39																																																																																																																																																					
Picardy Place Tram Stop						603	19-Feb-10	25-Jul-12	164	25-Jul-12; Picar																																																																																																																																																
12220	Issue Construction Drawings	0	19-Feb-10*	19-Feb-10*	-7	◆ Issue Construction Drawings																																																																																																																																																				
558	Order REC Supply	0	14-Mar-12		259	◆ Order REC Supply																																																																																																																																																				
610	Civil Engineering And Building Works	65	09-Nov-11	16-Mar-12	74																																																																																																																																																					
A2720	Deliver and Install Shelter	10	25-Apr-12	09-May-12	36																																																																																																																																																					
A4518	Access for visual inspection for E&M Tram Stop installator	0	09-Apr-12		240	◆ Access for visual inspect																																																																																																																																																				
A4519	Access for E&M Tram Stop installation (01C Picardy Place)	0	09-May-12		36	◆ Access for E&M Tram																																																																																																																																																				
A4520	Install LV Power Supply and LV Power Equipment	25	09-May-12	13-Jun-12	36																																																																																																																																																					
A4530	Install Telecon Equipment	20	13-Jun-12	11-Jul-12	46																																																																																																																																																					
A4540	Install Station Control Equipment + AFC Equipment	25	13-Jun-12	18-Jul-12	36																																																																																																																																																					
A4550	Package Test Tramstop	5	18-Jul-12	25-Jul-12	36																																																																																																																																																					
Cathedral SubStation						227	17-Oct-11	12-Sep-12	128	12-Sep-12; ◆ Order REC supply from Scottish Pow																																																																																																																																																
346	Order REC supply from Scottish Power	0	17-Oct-11		93	◆ Order REC supply from Scottish Pow																																																																																																																																																				
356	Civil Engineering and Building Works	65	09-Nov-11	16-Mar-12	74																																																																																																																																																					

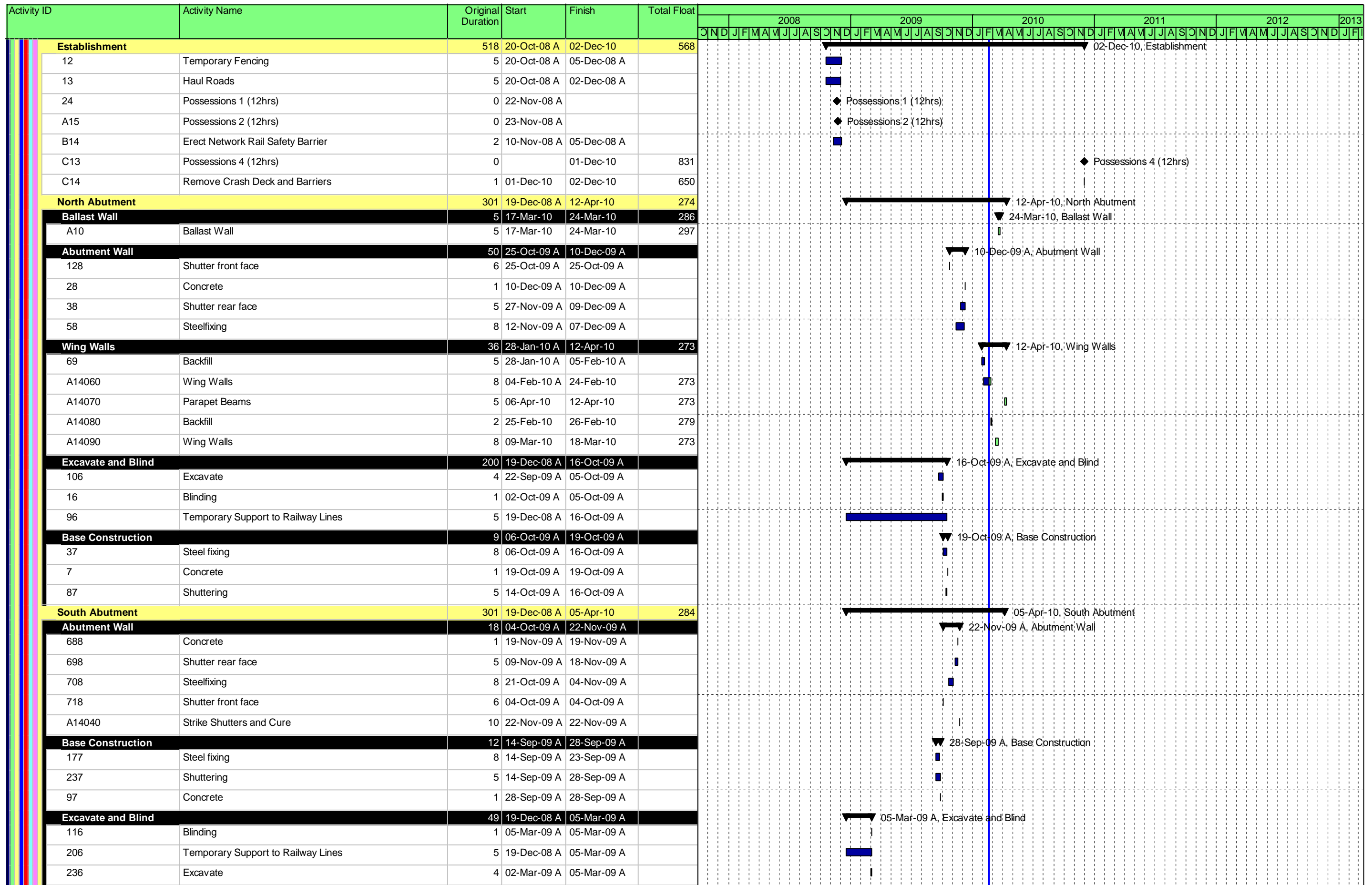
Date	Revision	Checked	Approved
16-Feb-10		SCS	

█ Actual Work █ Critical Remaining Work ▶ Summary
█ Remaining Work ◆ Milestone



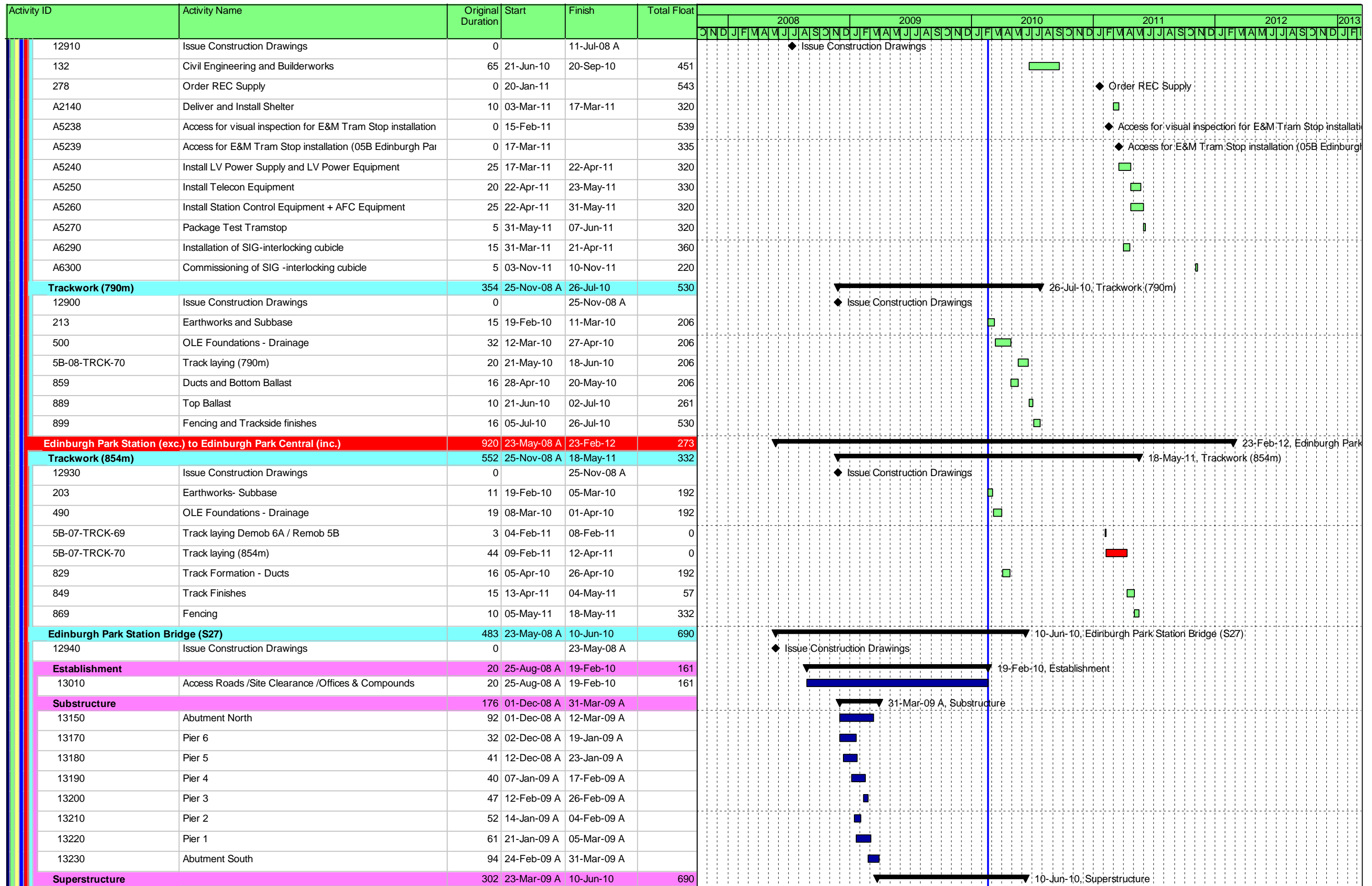
Date	Revision	Checked	Approved
16-Feb-10		SCS	

■ Actual Work ■ Critical Remaining Work ▶ Summary
■ Remaining Work ◆ Milestone



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16-Feb-10		SCS	

■ Actual Work
 ■ Critical Remaining Work
 ▼ Summary
■ Remaining Work
 ◆ Milestone



Date	Revision	Checked	Approved
16-Feb-10		SCS	



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008												2009												2010												2011												2012												2013											
						JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP				OCT				NOV				DEC																											
13130	Issue Construction Drawings Earthworks	0		29-May-08 A		◆ Issue Construction Drawings Earthworks																																																																							
13140	Issue Construction Drawings Drainage	0		14-Sep-09 A		◆ Issue Construction Drawings Drainage																																																																							
Trackwork (3492m)		187	07-Jul-10	12-Apr-11	7	▶ 12-Apr-11, Trackwork (3492m)																																																																							
154	Trackwork	180	07-Jul-10	31-Mar-11	0	▶																																																																							
6A-01-TRCK-70	Track Laying Ballast Track	100	02-Sep-10	03-Feb-11	0	▶																																																																							
6A-01A-TRCK-69	Track Laying Demob 1D / Remob 6A	3	07-Feb-11	09-Feb-11	6	▶																																																																							
6A-01A-TRCK-70	Track Laying Ballast Track & Embedded Track	43	10-Feb-11	12-Apr-11	6	▶																																																																							
6A-01B-TRCK-70	Track Laying Column Track	10	28-Feb-11	14-Mar-11	11	▶																																																																							
6A-01C-TRCK-70	Track Laying Finishing	17	14-Mar-11	07-Apr-11	11	▶																																																																							
Depot Building		743	01-Jul-08 A	01-Jul-11	429	▶ 01-Jul-11, Depot Building																																																																							
A17170	Foundations	55	31-Aug-09 A	04-Jan-10 A		▶																																																																							
A17180	Substructure and Superstructure (Steelwork)	50	05-Oct-09 A	23-Feb-10	347	▶																																																																							
A17190	Pits	40	14-Jan-10 A	12-Apr-10	313	▶																																																																							
A17200	Substructure and Superstructure	60	09-Nov-09 A	28-Apr-10	301	▶																																																																							
A17210	Building Envelope	90	16-Nov-09 A	28-Apr-10	301	▶																																																																							
Procurement		68	01-Jul-08 A	04-Jan-10 A		▶ 04-Jan-10 A, Procurement																																																																							
1158	Issue Construction Drawings	0		07-Jul-08 A		◆ Issue Construction Drawings																																																																							
1159	Steel Work Fabrication	64	01-Jul-08 A	04-Jan-10 A		▶																																																																							
Fitting Out & Finishes		160	31-Mar-10	15-Nov-10	301	▶ 15-Nov-10, Fitting Out & Finishes																																																																							
1269	Fitting out and Finishes	160	31-Mar-10	15-Nov-10	301	▶																																																																							
Building Services		160	31-Mar-10	15-Nov-10	301	▶ 15-Nov-10, Building Services																																																																							
1249	Building Services Installation	140	31-Mar-10	18-Oct-10	301	▶																																																																							
1259	Building Services Commissioning	130	14-May-10	15-Nov-10	301	▶																																																																							
E & M Workshop Equipment Installation		151	18-Oct-10	03-Jun-11	449	▶ 03-Jun-11, E & M Workshop Equipment Installation																																																																							
A2542	Access for visual inspection for E&M workshop equipment	0	18-Oct-10		626	◆ Access for visual inspection for E&M workshop equipment																																																																							
A2544	Access for E&M workshop equipment	0	16-Nov-10		605	◆ Access for E&M workshop equipment																																																																							
A2545	Installation of workshop equipment	130	16-Nov-10	03-Jun-11	301	▶																																																																							
Inspection & Handover		20	06-Jun-11	01-Jul-11	301	▶ 01-Jul-11, Inspection & Handover																																																																							
A2550	Inspection and Testing	20	06-Jun-11	01-Jul-11	301	▶																																																																							
Depot Substation		366	19-Feb-10	12-Aug-11	401	▶ 12-Aug-11, Depot Substation																																																																							
306	Order REC supply from Scottish Power	0	18-May-10		455	◆ Order REC supply from Scottish Power																																																																							
316	Civil Engineering and Building Works	140	19-Feb-10	08-Sep-10	455	▶																																																																							
A2518	Access for visual inspection for E&M Substation installation	0	10-Aug-10		674	◆ Access for visual inspection for E&M Substation installation (06A Depot)																																																																							
A2519	Access for E&M Substation installation (06A Depot)	0	09-Sep-10		481	◆ Access for E&M Substation installation (06A Depot)																																																																							
A5930	Power Infeed from Public Net available inc HV cable	0	09-Sep-10		455	◆ Power Infeed from Public Net available inc HV cable																																																																							
A5940	Install LV Power Supply and LV Power Equipment	15	26-May-11	17-Jun-11	283	▶																																																																							
A5950	Installation of TPS Equipment	30	10-Jun-11	22-Jul-11	259	▶																																																																							
A5960	Install Telecom and Scada	15	01-Jul-11	22-Jul-11	259	▶																																																																							
A5970	Testing and Commissioning	14	22-Jul-11	12-Aug-11	259	▶																																																																							
A6330	Installation of SIG-interlocking cubicle	15	10-Jun-11	01-Jul-11	295	▶																																																																							
A6340	Commissioning of SIG -interlocking cubicle	5	06-Jul-11	13-Jul-11	291	▶																																																																							
Access Roads		304	05-Oct-09 A	03-Mar-11	384	▶ 03-Mar-11, Access Roads																																																																							
1179	North Side	45	05-Oct-09 A	23-Apr-10	384	▶																																																																							
1189	South Side	20	26-Apr-10	24-May-10	384	▶																																																																							
1199	Finishes	190	25-May-10	03-Mar-11	384	▶																																																																							

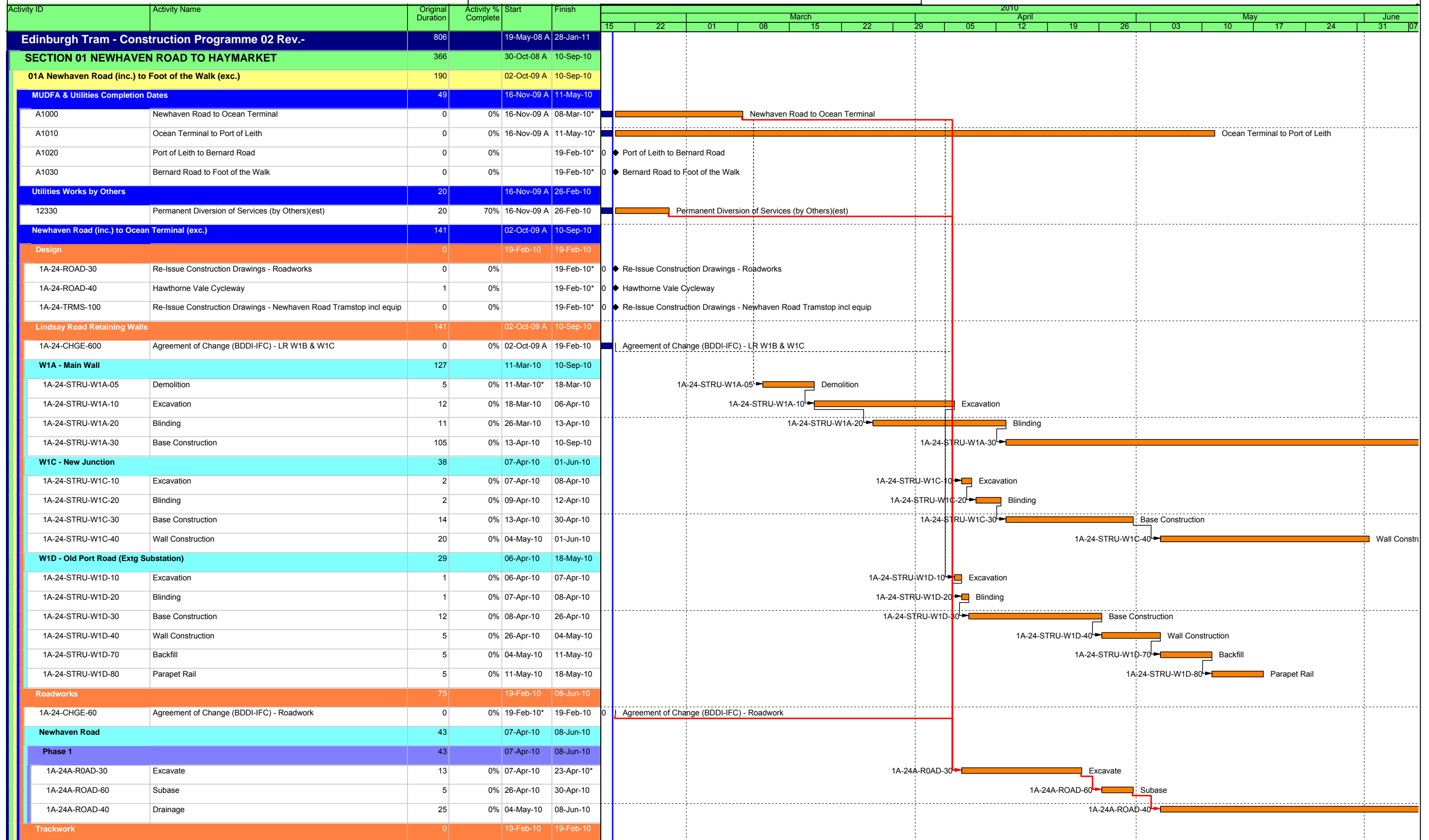
Date	Revision	Checked	Approved	Page 41 of 44	■ Actual Work ■ Critical Remaining Work ■ Remaining Work ◆ Milestone ▶ Summary
16-Feb-10		SCS			

10.3 Look Ahead Programme

Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

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- Actual Work
- Normal
- % Complete
- WBS Summary Activity
- ◆ Milestone

This programme is provided for information and coordination purposes only; and without prejudice to the rights of the Infracore under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme."

Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	2010																							
						March						April						May						June					
						15	22	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07							
1A-24-CHGE-30	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Trackwork																							
Ocean Terminal (inc.) to Port of Leith (exc.)		110		19-Feb-10	27-Jul-10																								
Design		0		19-Feb-10	19-Feb-10																								
1A-23-APPR-10	Scottish Water Outfall Consent	0	0%	19-Feb-10	19-Feb-10*	0 Scottish Water Outfall Consent																							
1A-23-ROAD-10	Issue Construction Drawings - Roadworks (West of Tower Br)	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Issue Construction Drawings - Roadworks (West of Tower Br)																							
1A-23-TRMS-10	Issue Construction Drawings - Ocean Terminal Tramstop	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Issue Construction Drawings - Ocean Terminal Tramstop																							
1A-23C-TRCK-60	Issue Construction Drawings - S16 Trackform	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Issue Construction Drawings - S16 Trackform																							
1A-23C-TRCK-90	Issue Construction Drawings - S17 Trackform	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Issue Construction Drawings - S17 Trackform																							
1A-23-ROAD-30	Re-Issue Construction Drawings - Roadworks (East of Tower Br)	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Re-Issue Construction Drawings - Roadworks (East of Tower Br)																							
Roadworks		110		19-Feb-10	27-Jul-10																								
1A-24-CHGE-70	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Roadwork																							
Ocean Terminal Bypass Road		100		05-Mar-10	27-Jul-10																								
A20780	Provisional	100	0%	05-Mar-10	27-Jul-10	A20780																							
Trackwork		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-40	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Trackwork																							
S16 - Victoria Dock Entrance Bridge		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-150	Agreement of Change (BDDI-IFC) - S16 Victoria Dock Entrance Bridge	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - S16 Victoria Dock Entrance Bridge																							
S17 - Tower Place Bridge		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-20	Agreement of Change (BDDI-IFC) - S17 Tower Place Bridge	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - S17 Tower Place Bridge																							
Port of Leith (inc.) to Bernard Street (exc.)		0		19-Feb-10	19-Feb-10																								
Design		0		19-Feb-10	19-Feb-10																								
1A-22-ROAD-30	Re-Issue Construction Drawings - Roadworks	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Re-Issue Construction Drawings - Roadworks																							
1A-22-TRMS-100	Re-Issue Construction Drawings - Port of Leith Tramstop incl equip	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Re-Issue Construction Drawings - Port of Leith Tramstop incl equip																							
Roadworks		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-80	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Roadwork																							
Trackworks		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-90	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Trackwork																							
Bernard Street (inc.) to Foot of the Walk (Ch.000)		0		19-Feb-10	19-Feb-10																								
Design		0		19-Feb-10	19-Feb-10																								
1A-21-ROAD-30	Re-Issue Construction Drawings - Roadwork	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Re-Issue Construction Drawings - Roadwork																							
1A-21-TRMS-21	Re-Issue Construction Drawings - Foot of The Walk Tramstop incl equip	0	0%	19-Feb-10*	19-Feb-10*	1 ◆ Re-Issue Construction Drawings - Foot of The Walk Tramstop incl equip																							
1A-21-TRMS-100	Re-Issue Construction Drawings - Bernard Street Tramstop incl equip	0	0%	19-Feb-10*	19-Feb-10*	0 ◆ Re-Issue Construction Drawings - Bernard Street Tramstop incl equip																							
Roadworks		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-100	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Roadwork																							
Trackworks		0		19-Feb-10	19-Feb-10																								
1A-24-CHGE-110	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Trackwork																							
01B Foot of the Walk (Ch.000) to McDonald Road (exc.)		225		30-Oct-08 A	23-Aug-10																								
Foot of the walk (Ch.000) to Balfour Street (exc.)		225		30-Oct-08 A	23-Aug-10																								
Roadworks		225		30-Oct-08 A	23-Aug-10																								
B01270	Works in Leith Walk suspended until access issues resolved	0	89%	10-Mar-09 A	19-Feb-10	Works in Leith Walk suspended until access issues resolved																							
1A-24-CHGE-120	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10	0 Agreement of Change (BDDI-IFC) - Roadwork																							
Leith Walk Ch.080-350		9		30-Oct-08 A	23-Aug-10																								

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February - May 2010

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	2010																			
						March					April					May					June				
						15	22	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07			
North						9																			
1B-20D-ROAD-40	Construct Kerb lines	7	95%	30-Oct-08 A	23-Aug-10																				
1B-20D-ROAD-50	Reset Gullies	7	95%	17-Nov-08 A	23-Aug-10																				
Trackwork						0																			
1A-24-CHGE-50	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10																				
Balfour Street (inc.) to McDonald Road (exc.)						0																			
Design						0																			
1B-19-TRCK-20	Issue Construction Drawings - S18 LWRB Trackform	0	0%		19-Feb-10*																				
1B-19-TRMS-100	Re-Issue Construction Drawings - Balfour Street Tramstop incl equip	0	0%		19-Feb-10*																				
Roadworks						0																			
1A-24-CHGE-130	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10																				
Trackwork						0																			
1A-24-CHGE-160	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10																				
01C McDonald Road (inc.) to Princes Street West (exc.)						277																			
MUDFA & Utilities Completions						0																			
A16840	St Andrews Square to Princes Street West	0	0%		05-May-10*																A16840 ♦ St Andrews Square to Princes Street West				
McDonald Road (inc.) to Picardy Place (exc.)						226																			
Design						226																			
B01280	Works in Leith Walk suspended until access issues resolved	0	89%	10-Mar-09 A	19-Feb-10																				
1C-18-ROAD-20	Issue Construction Drawings - Leith Walk Cable Tunnel Interface	1	0%	19-Feb-10	19-Feb-10*																				
1C-18-ROAD-30	Issue Construction Drawings - London Road Shelter	1	0%	19-Feb-10	19-Feb-10*																				
1C-18-TRMS-100	Re-Issue Construction Drawings - McDonald Road Tramstop incl equip	0	0%		19-Feb-10*																				
Roadworks						0																			
1A-24-CHGE-140	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10																				
Trackworks						0																			
1A-24-CHGE-170	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10																				
Picardy Place (inc.) to St. Andrew Square (exc.)						11																			
Design						11																			
1C-18-ROAD-40	Issue Construction Drawings - Playhouse Interface	1	0%	19-Feb-10	19-Feb-10*																				
12220	Issue Construction Drawings - Picardy Place Tramstop incl equip	0	0%		19-Feb-10*																				
12230	Issue Construction Drawings - Roadworks	0	0%		19-Feb-10*																				
1C-18-ROAD-60	Issue Construction Drawings - Picardy Place Widened Footway Re-Design	1	0%	26-Feb-10	26-Feb-10*																				
1C-18-ROAD-50	Issue Construction Drawings - Picardy Place Roundabout Re-Design	1	0%	05-Mar-10	05-Mar-10*																				
Roadworks						0																			
1A-24-CHGE-180	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10																				
Trackworks						0																			
1A-24-CHGE-190	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10																				
St. Andrew Square (inc.) to Princes Street West (exc.)						0																			
St. Andrew Square						0																			
Road & Track Works						0																			
1A-24-CHGE-200	Agreement of Change (BDDI-IFC) - Roadwork	0	0%	19-Feb-10*	19-Feb-10																				
1A-24-CHGE-210	Agreement of Change (BDDI-IFC) - Trackwork	0	0%	19-Feb-10*	19-Feb-10																				

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February - May 2010

EDINBURGH TRAM NETWORK



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						March						April						May						June					
						15	22	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07							
01D Princes Street (inc) to Haymarket (exc)																													
A20800	Agreement of Change (Haymarket)	0	0%	19-Feb-10	19-Feb-10*	0 Agreement of Change (Haymarket)																							
Princes St - Section 1C (Waverley Bridge) to Section 1D (Lothian Road)																													
Princes St 1D Ch.380-000 & 1C Ch.1,980-1,360																													
149	Outstanding/Remedial Works for completion post 29 Nov 2009	33	25%	28-Jan-10 A	01-Apr-10	Outstanding/Remedial Works for completion post 29 Nov 2009																							
Princes Street West Tram Stop																													
321	Tramstop Platform incl related cubicle foundations	17	75%	05-Oct-09 A	15-Mar-10	Tramstop Platform incl related cubicle foundations																							
E & M Installation																													
1D-15-OHLE-30	Access for visual inspection for E&M wayside installation PST - SHP	0	0%	19-Feb-10		0 Access for visual inspection for E&M wayside installation PST - SHP																							
1D-15-OHLE-31	Access for E&M wayside installation PST - SHP	0	0%	11-Mar-10*		1D-15-OHLE-31 Access for E&M wayside installation PST - SHP																							
Haymarket Junction - Section 1D Ch.131,070 to Section 2A Ch.200,030																													
774	Dilapidation Survey	2	0%	23-Mar-10	24-Mar-10	774 Dilapidation Survey																							
Design																													
397	Track Alignment Revision (Section 1D SDS V41) from RSA	0	0%	19-Feb-10*		7 Track Alignment Revision (Section 1D SDS V41) from RSA																							
438	Re-Issue for Construction Drawings for Shandwick Place Tram Stop incl equip	0	0%	19-Feb-10*		8 Re-Issue for Construction Drawings for Shandwick Place Tram Stop incl equip																							
Utilities / Stakeholders / Third Parties																													
Utilities																													
A21020	Utility Works Estimated Completion at Haymarket	0	0%	19-Feb-10*		0 Utility Works Estimated Completion at Haymarket																							
A21010	Utility Works Estimated Completion at Shandwick Place	0	0%	22-Feb-10*		A21010 Utility Works Estimated Completion at Shandwick Place																							
Traffic Management																													
758	Enabling Works - Haymarket Junction	7	0%	19-Feb-10	01-Mar-10	8 Enabling Works - Haymarket Junction																							
759	Enabling Works - Shandwick Place	19	0%	23-Feb-10*	19-Mar-10	759 Enabling Works - Shandwick Place																							
751	TM Phase H1 - (Main Area - Eastbound Side)	2	0%	19-Mar-10	22-Mar-10	751 TM Phase H1 - (Main Area - Eastbound Side)																							
763	TM Phase H2 - (Haymarket Station frontage and approach to Viaduct)	1	0%	19-Mar-10	19-Mar-10	763 TM Phase H2 - (Haymarket Station frontage and approach to Viaduct)																							
761	TM Phase Ch.130,960 - 130,380 (Palmerston Place - Princes Street)	2	0%	22-Mar-10	23-Mar-10	761 TM Phase Ch.130,960 - 130,380 (Palmerston Place - Princes Street)																							
Haymarket Ch.131,250 - 131,050																													
Phase H1 - Main Area - Eastbound Side																													
327	Temp Fencing / Site Clearance / Investigate Services	4	0%	22-Mar-10	26-Mar-10	327 Temp Fencing / Site Clearance / Investigate Services																							
328	Plane Main Carriageway 250mm	2	0%	26-Mar-10	30-Mar-10	328 Plane Main Carriageway 250mm																							
329	Expose and Infil Underground Chambers (ref TIE plan of 19 June 09)	15	0%	30-Mar-10	21-Apr-10	329 Expose and Infil Underground Chambers (ref TIE plan of 19 June 09)																							
324	Core and Cast OLE Pole Foundations (7nr)	7	0%	21-Apr-10	30-Apr-10	324 Core and Cast OLE Pole Foundations (7nr)																							
Drainage & Ducts																													
331	Investigate services / outfall positions / inlet-outlet positions / levels	4	0%	26-Mar-10	01-Apr-10	331 Investigate services / outfall positions / inlet-outlet positions / levels																							
322	Drainage to Discharge Points	22	0%	21-Apr-10	24-May-10	322 Drainage to Discharge Points																							
323	Traffic Signal and Lighting Ducts	11	0%	07-May-10	24-May-10	323 Traffic Signal and Lighting Ducts																							
Phase 1/1 - Outbound Track																													
396	Plane out existing surfacing over Trams Footprint (1st cut - box)	2	0%	28-Apr-10	30-Apr-10	396 Plane out existing surfacing over Trams Footprint (1st cut - box)																							
407	Carry out inspection and testing of Subgrade	1	0%	29-Apr-10	30-Apr-10	407 Carry out inspection and testing of Subgrade																							
428	Plane out remaining make-up to formation of Tram Footprint (2nd cut - box)	1	0%	30-Apr-10	04-May-10	428 Plane out remaining make-up to formation of Tram Footprint (2nd cut - box)																							
429	Outbound Tram Ducts & Chambers	4	0%	04-May-10	10-May-10	429 Outbound Tram Ducts & Chambers																							
410	Excavate to formation - track box and island	4	0%	10-May-10	14-May-10	410 Excavate to formation - track box and island																							
422	Check suitability of formation (ongoing)	1	0%	14-May-10	17-May-10	422 Check suitability of formation (ongoing)																							

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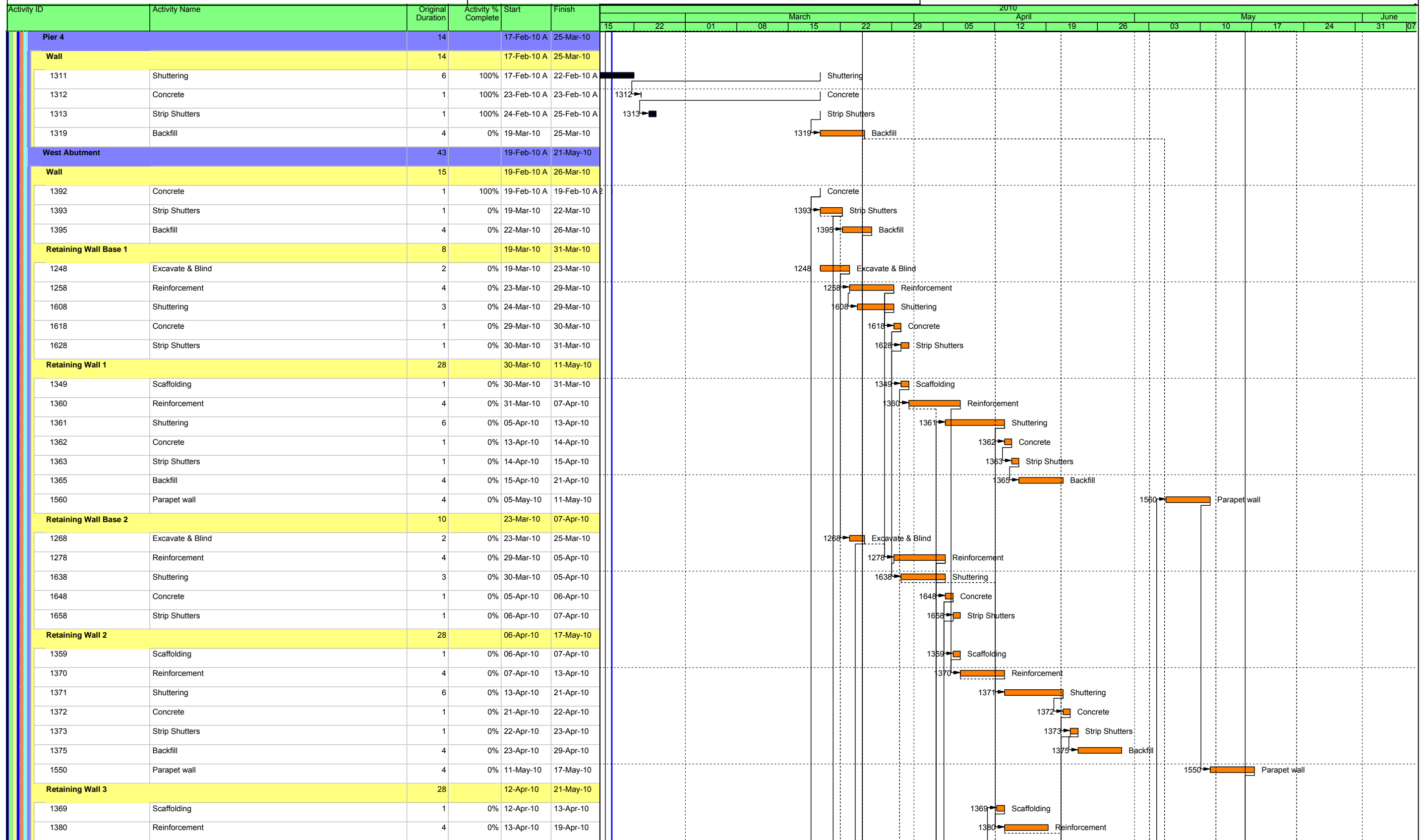
█ Actual Work █ % Complete
█ Normal █ WBS Summary Activity
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Three Month Look-Ahead Programme

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EDINBURGH TRAM NETWORK



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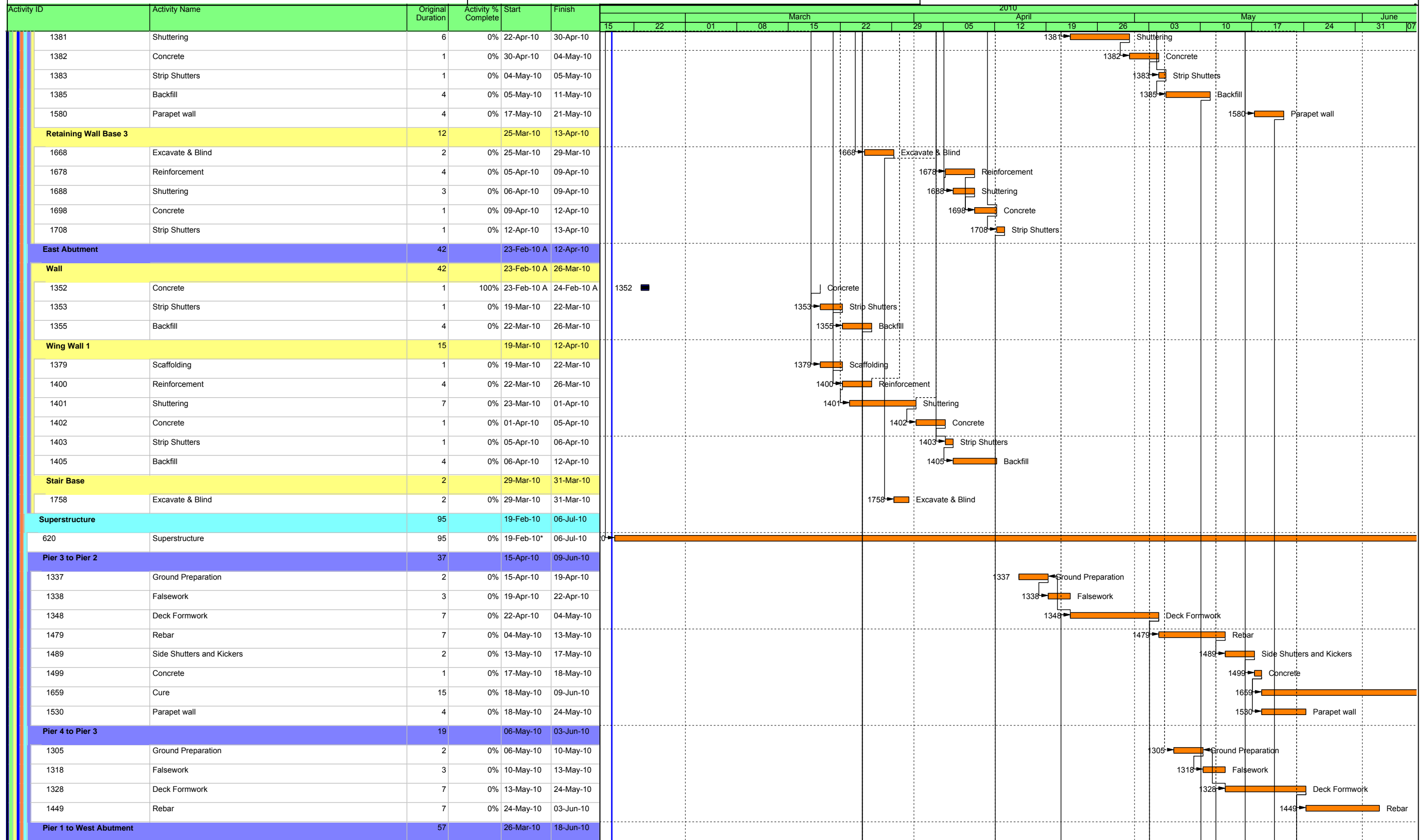
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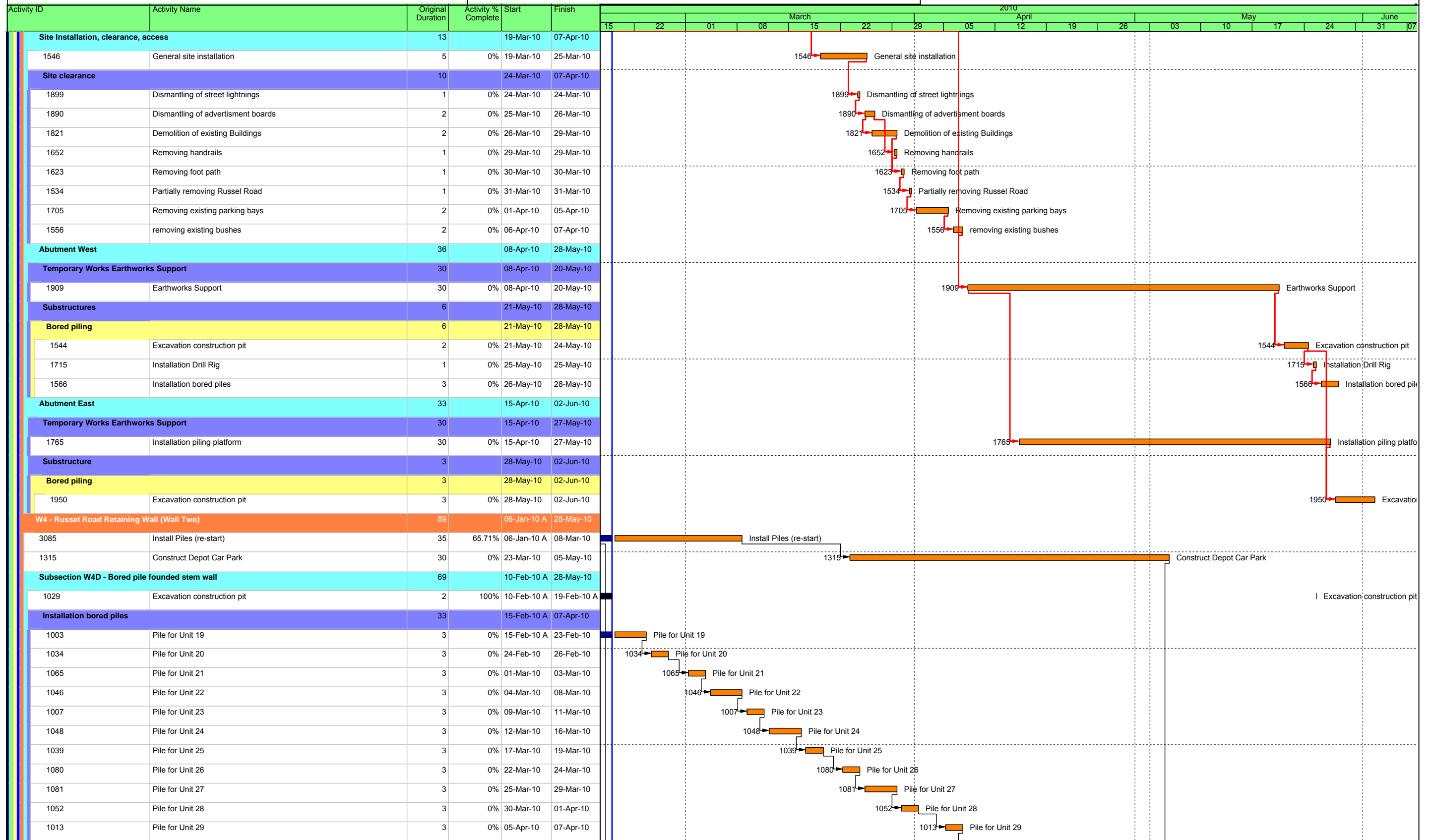
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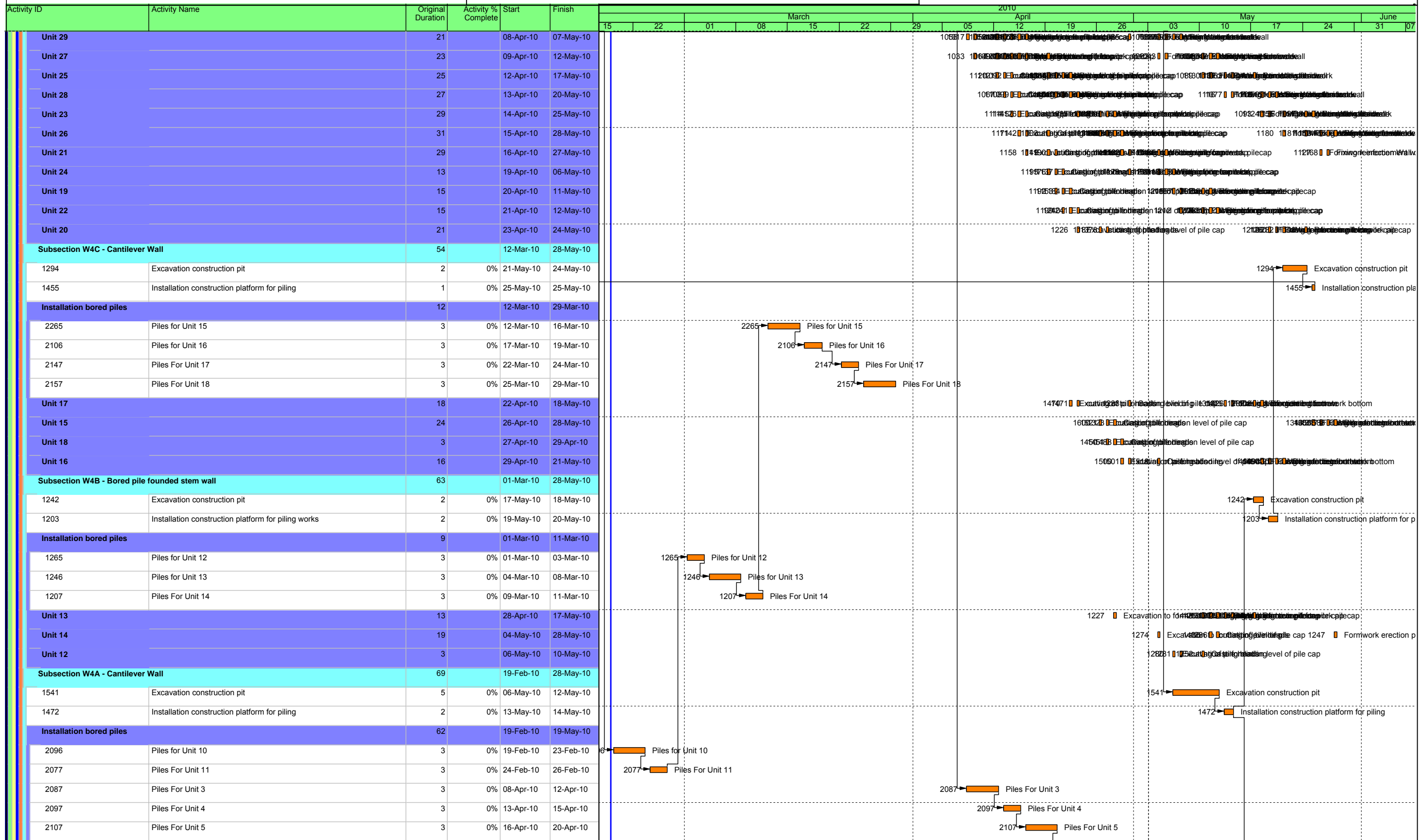
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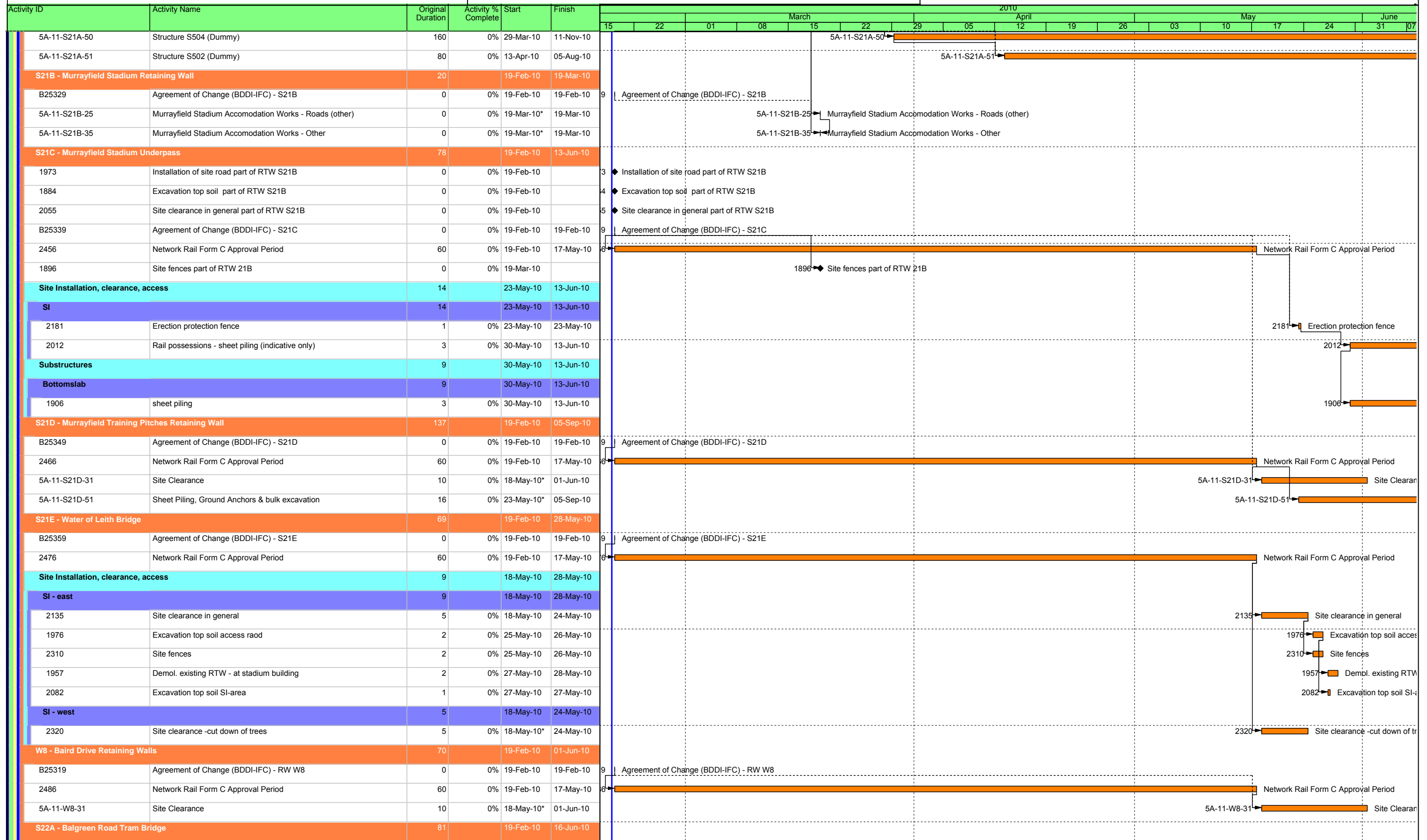
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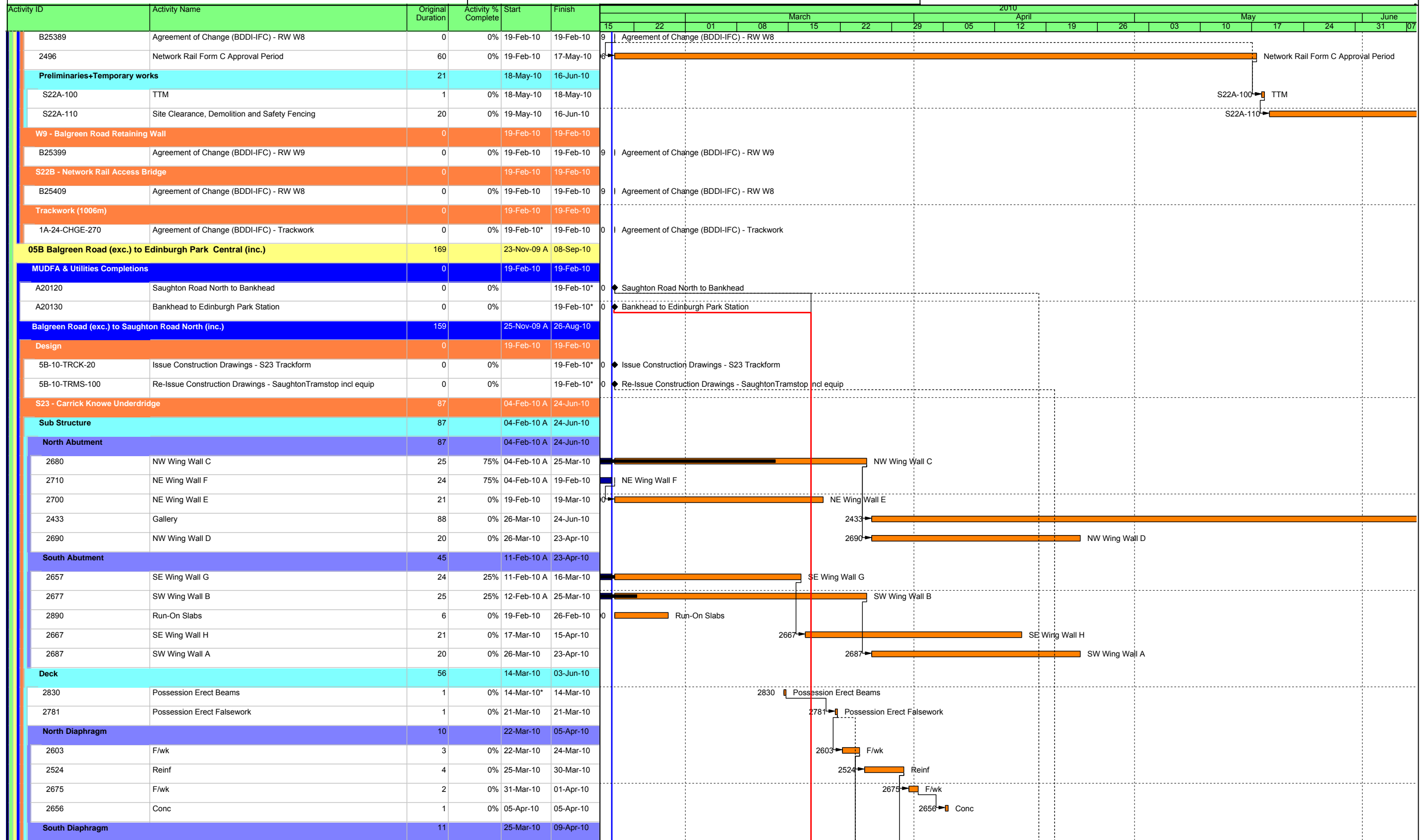
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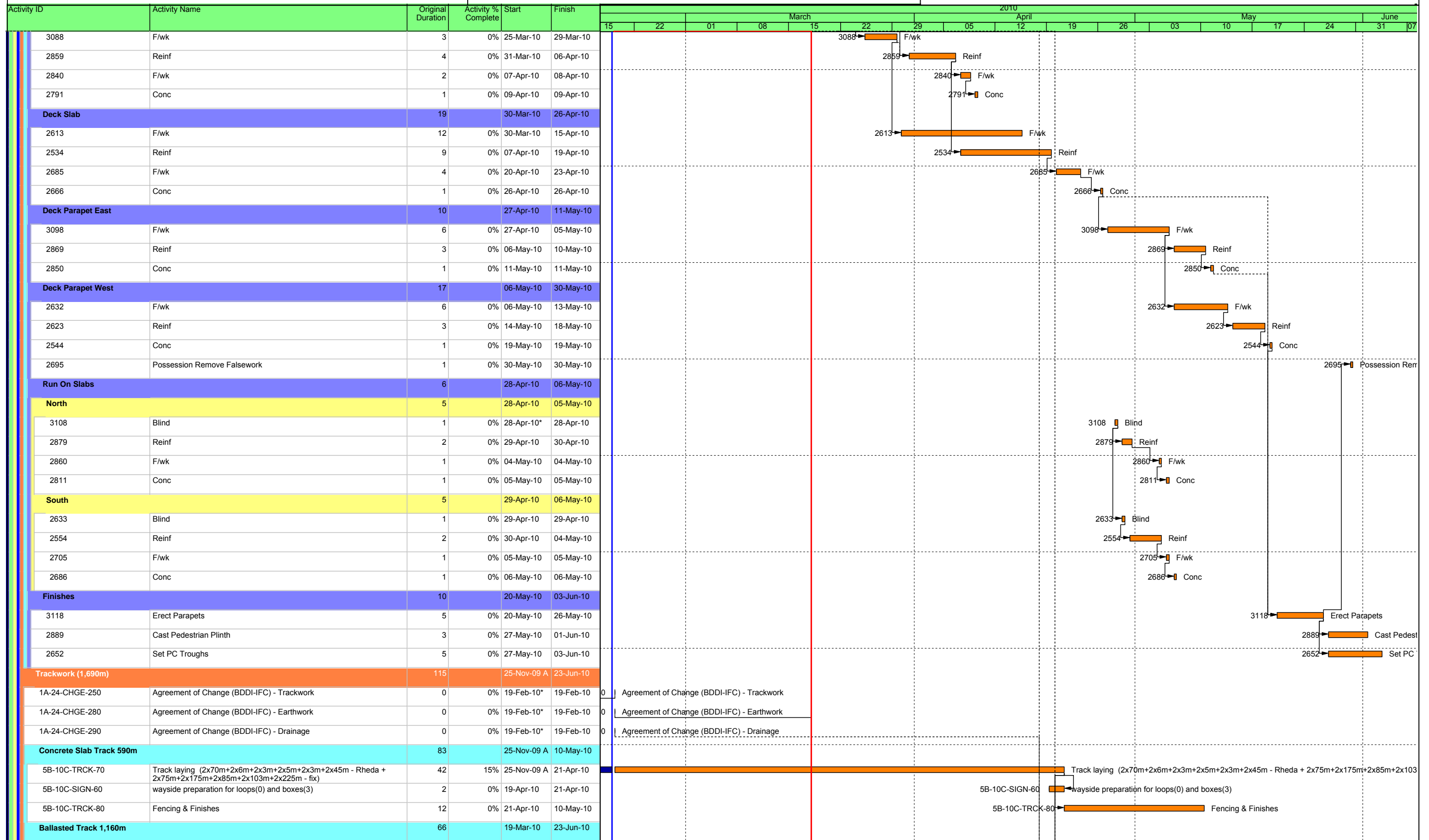
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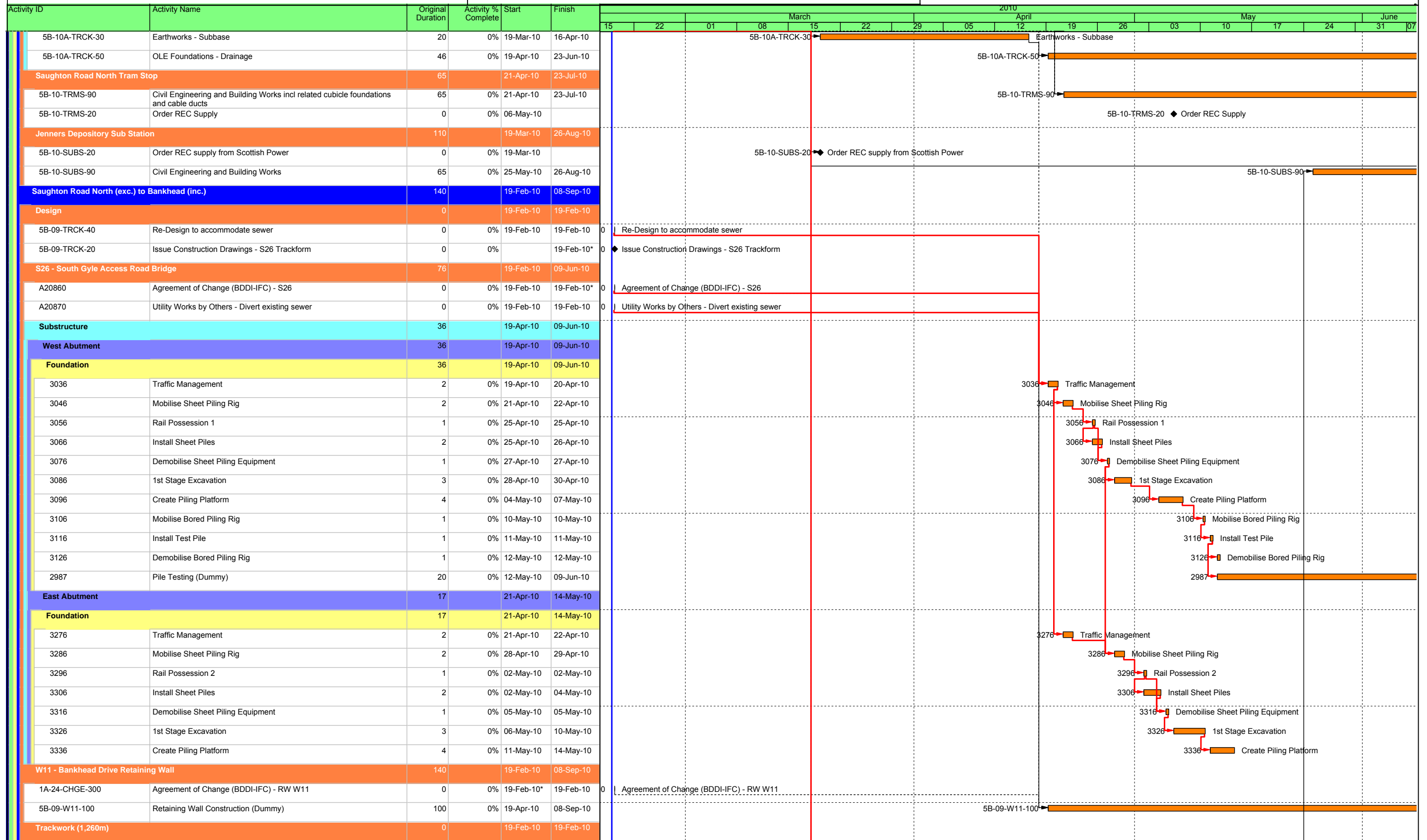
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						March			April			May			June								
						15	22	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
Design																							
5C-03-TRCK-10	Issue Construction Drawings - Track Model 5C	0	0%	19-Feb-10	07-Apr-10	◆ Issue Construction Drawings - Track Model 5C																	
146	Issue for Construction Drawings - Earthworks	0	0%	19-Feb-10	19-Feb-10*	◆ Issue for Construction Drawings - Earthworks																	
5C-06-TRMS-100	Issue Construction Drawings - Gogar Interchange Tramstop	0	0%	07-Apr-10	07-Apr-10*	5C-06-TRMS-100 ◆ Issue Construction Drawings - Gogar Interchange Tramstop																	
S28 - A8 Underpass																							
B25379	Agreement of Change (BDDI-IFC) - S28	0	0%	19-Feb-10	19-Feb-10	9 Agreement of Change (BDDI-IFC) - S28																	
Prep Works																							
Services																							
2381	Cable & Wireless	0	0%	19-Feb-10*	19-Feb-10*	1 ◆ Cable & Wireless																	
2212	Telewest	0	0%	19-Feb-10*	19-Feb-10*	2 ◆ Telewest																	
2183	Eastnet	0	0%	19-Feb-10*	19-Feb-10*	3 ◆ Eastnet																	
2114	Global Crossing	0	0%	19-Feb-10*	19-Feb-10*	4 ◆ Global Crossing																	
2275	NTL	0	0%	19-Feb-10*	19-Feb-10*	5 ◆ NTL																	
2236	Thus	0	0%	19-Feb-10*	19-Feb-10*	6 ◆ Thus																	
2197	Verizon	0	0%	19-Feb-10*	19-Feb-10*	7 ◆ Verizon																	
2678	Scottish Water	0	0%	19-Feb-10*	19-Feb-10*	8 ◆ Scottish Water																	
2449	Scottish Power	0	0%	19-Feb-10*	19-Feb-10*	9 ◆ Scottish Power																	
2420	Scottish Gas Network	0	0%	19-Feb-10*	19-Feb-10*	10 ◆ Scottish Gas Network																	
Phase 1																							
2698	Bitumen to buried faces	2	0%	26-Apr-10	27-Apr-10	2698 Bitumen to buried faces																	
2469	Waterproofing	1	0%	28-Apr-10	28-Apr-10	2469 Waterproofing																	
2440	Sacrificial Reinforced Earth Retaining Wall and Backfill	5	0%	05-May-10	11-May-10	2440 Sacrificial Reinforced Earth Retaining Wall and Backfill																	
2450	Markings	1	0%	27-May-10	27-May-10	2450 Markings																	
Deck																							
A20960	Piling	10	0%	05-Mar-10	18-Mar-10	A20960 Piling																	
2193	Excavation to Soffit Support Level + Access Ramp	6	0%	19-Mar-10	26-Mar-10	2193 Excavation to Soffit Support Level + Access Ramp																	
2124	Trim Piles	7	0%	29-Mar-10	07-Apr-10	2124 Trim Piles																	
2295	Erect Soffit Support System	2	0%	05-Apr-10	06-Apr-10	2295 Erect Soffit Support System																	
2217	Formwork	3	0%	07-Apr-10	09-Apr-10	2217 Formwork																	
2708	Rebar	3	0%	08-Apr-10	12-Apr-10	2708 Rebar																	
2479	Concrete Deck Slab	1	0%	13-Apr-10	13-Apr-10	2479 Concrete Deck Slab																	
Portal Capping Beam																							
2460	Blinding to Capping Beams	3	0%	08-Apr-10	12-Apr-10	2460 Blinding to Capping Beams																	
2232	Rebar	4	0%	14-Apr-10	19-Apr-10	2232 Rebar																	
2203	Shutter	2	0%	19-Apr-10	20-Apr-10	2203 Shutter																	
2134	Concrete	1	0%	21-Apr-10	21-Apr-10	2134 Concrete																	
East Wing Wall Capping Beams																							
2266	Rebar	3	0%	20-Apr-10	22-Apr-10	2266 Rebar																	
2227	Shutter	3	0%	22-Apr-10	26-Apr-10	2227 Shutter																	
2718	Concrete	1	0%	27-Apr-10	27-Apr-10	2718 Concrete																	
West Wing Wall Capping Beams																							
2470	Rebar	5	0%	23-Apr-10	29-Apr-10	2470 Rebar																	

Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

Page 19 of 26

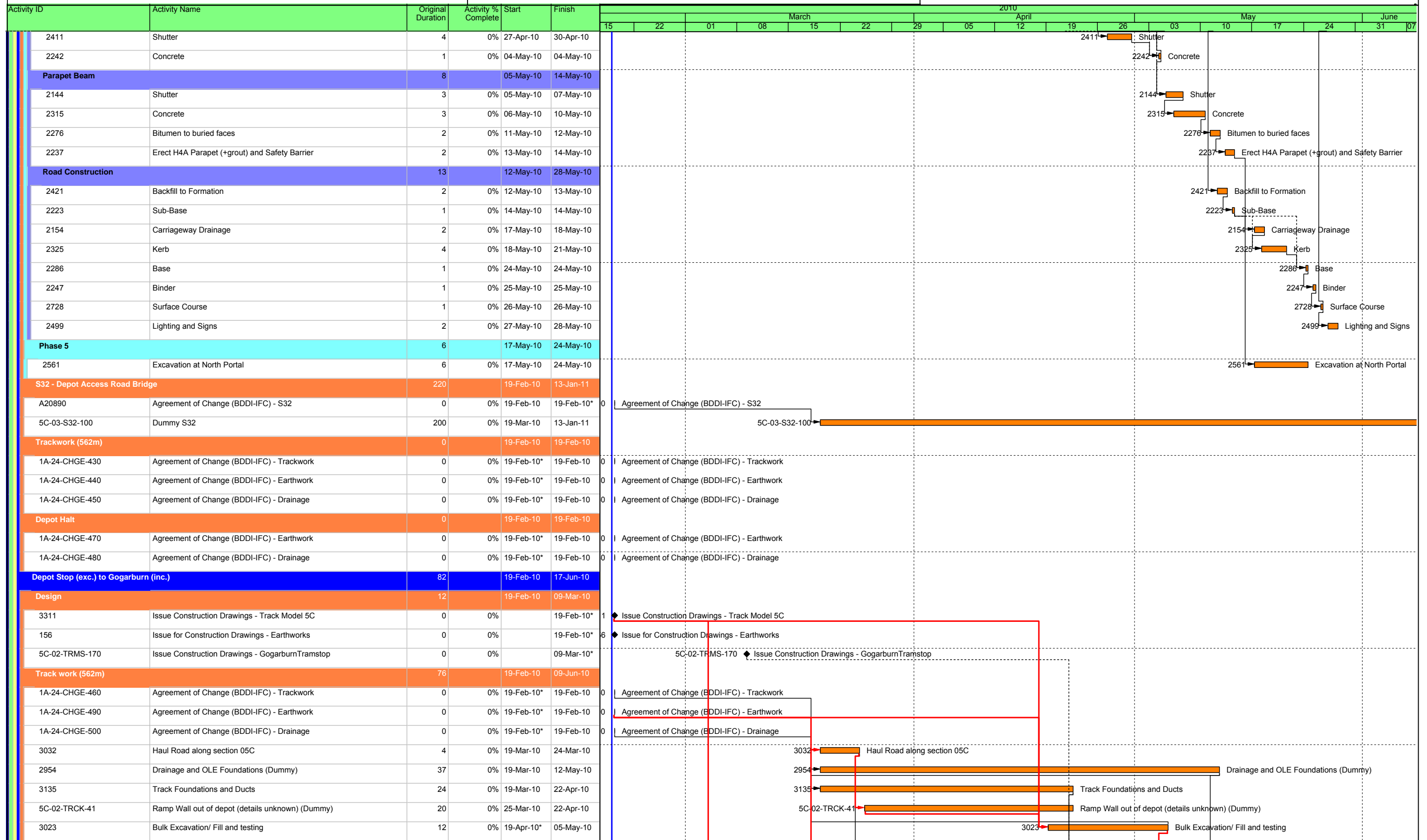
- Actual Work
- Normal
- WBS Summary Activity
- ◆ Milestone
- % Complete

"This programme is provided for information and coordination purposes only; and without prejudice to the rights of the Infracore under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme."

Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

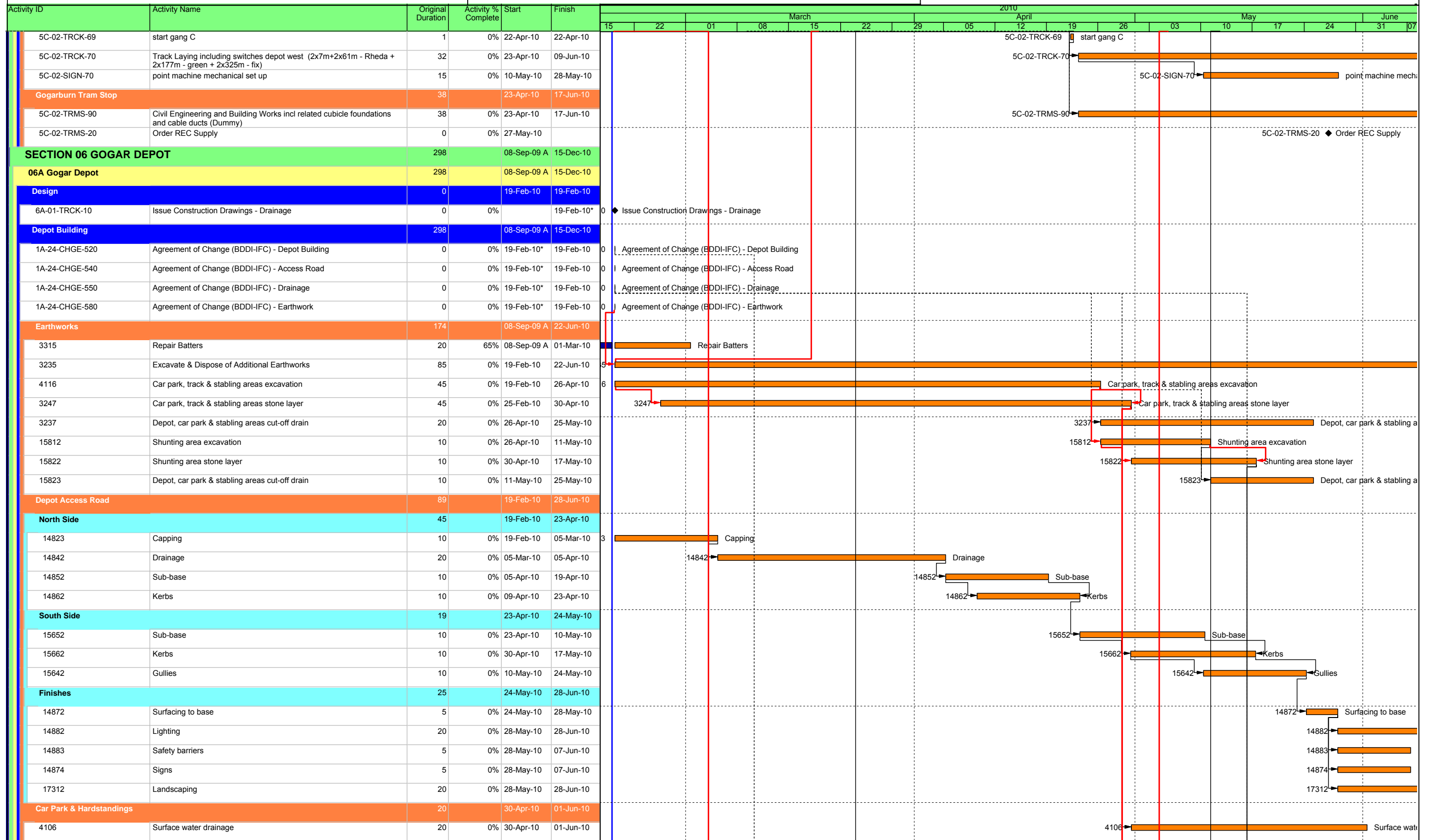
■ Actual Work ■ % Complete
■ Normal ■ WBS Summary Activity
◆ Milestone

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Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

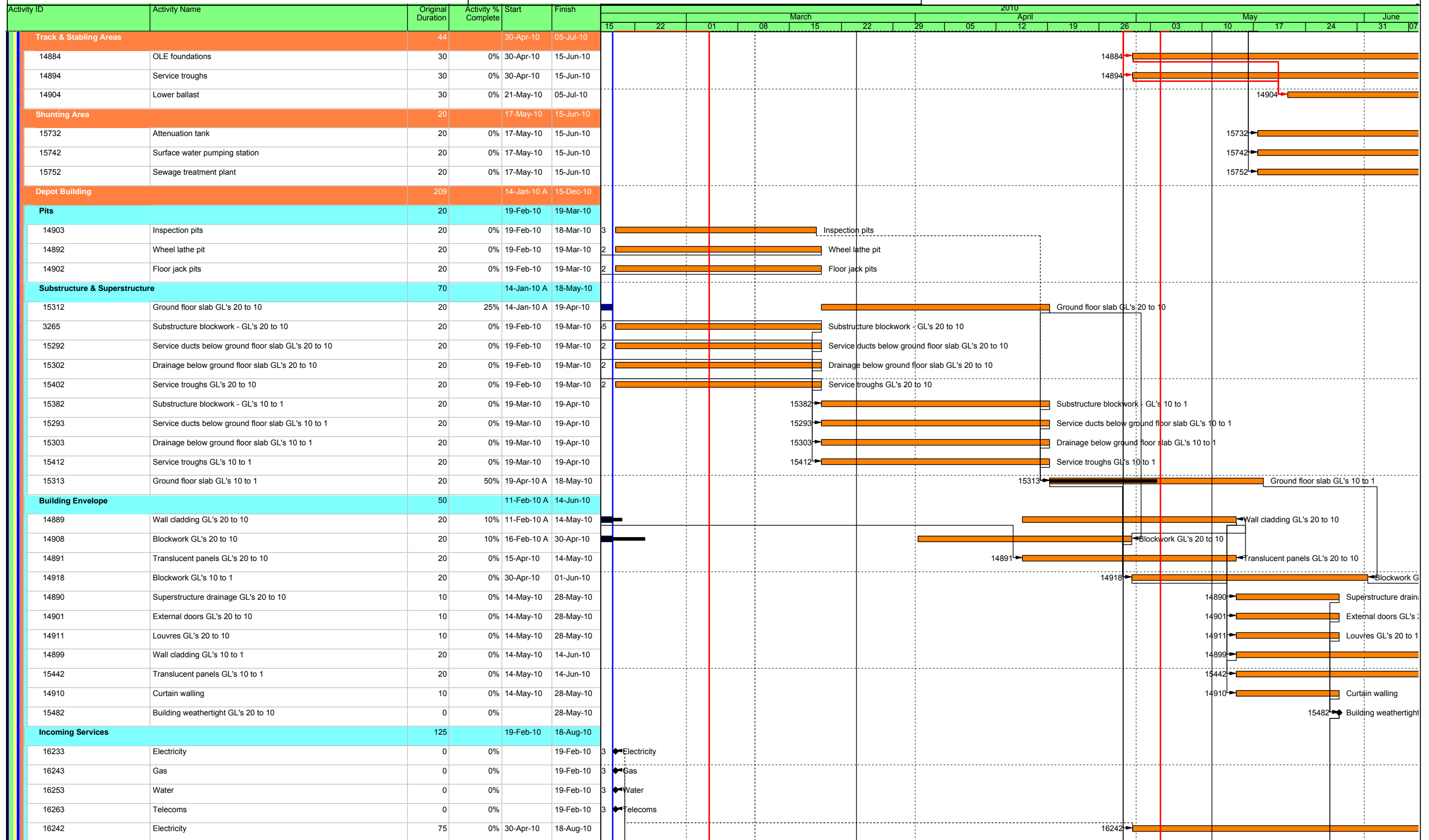
█ Actual Work █ % Complete
█ Normal █ WBS Summary Activity
◆ Milestone

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Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

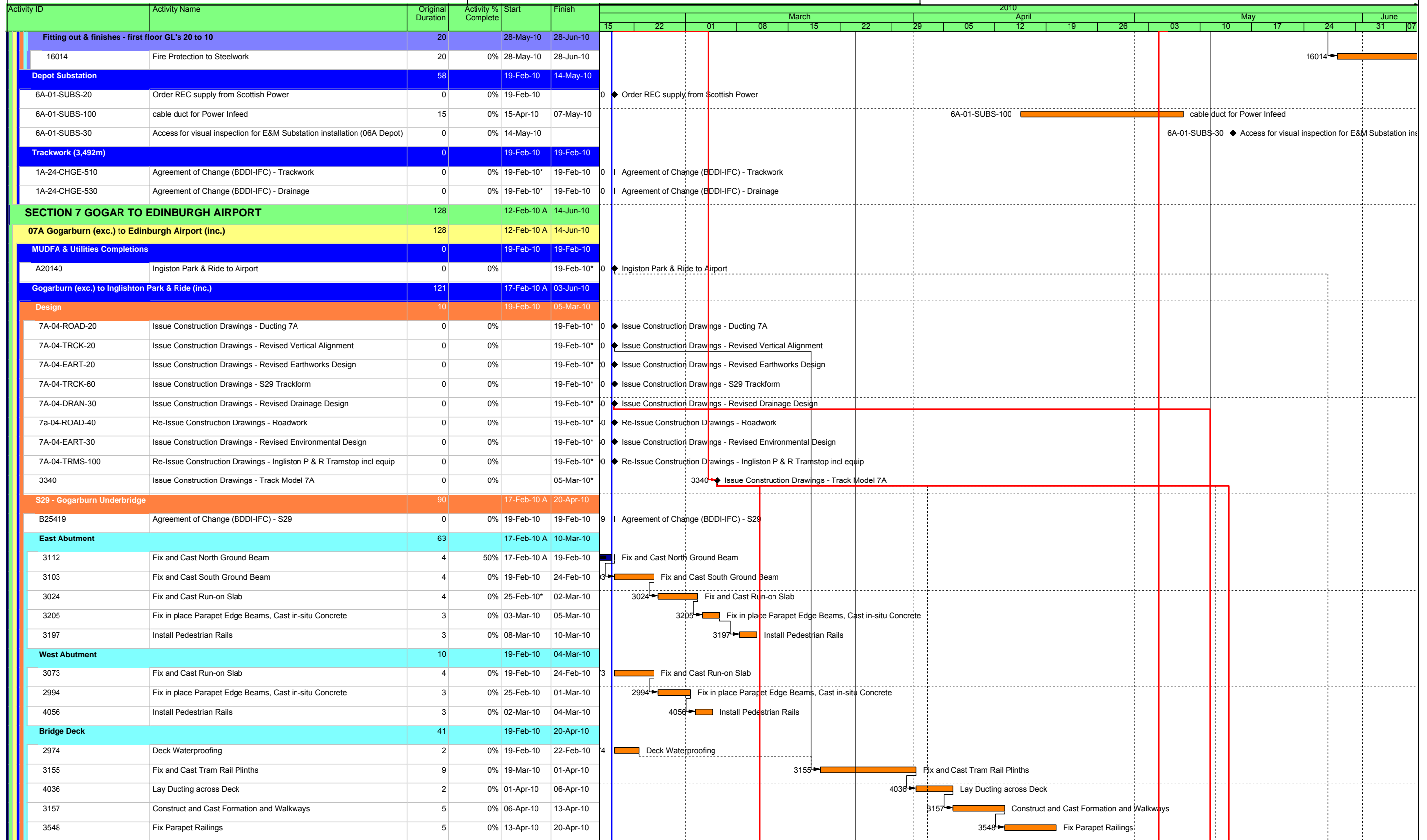
█ Actual Work █ % Complete
█ Normal █ WBS Summary Activity
◆ Milestone ◆ Milestone

This programme is provided for information and coordination purposes only; and without prejudice to the rights of the Infracore under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme."

Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

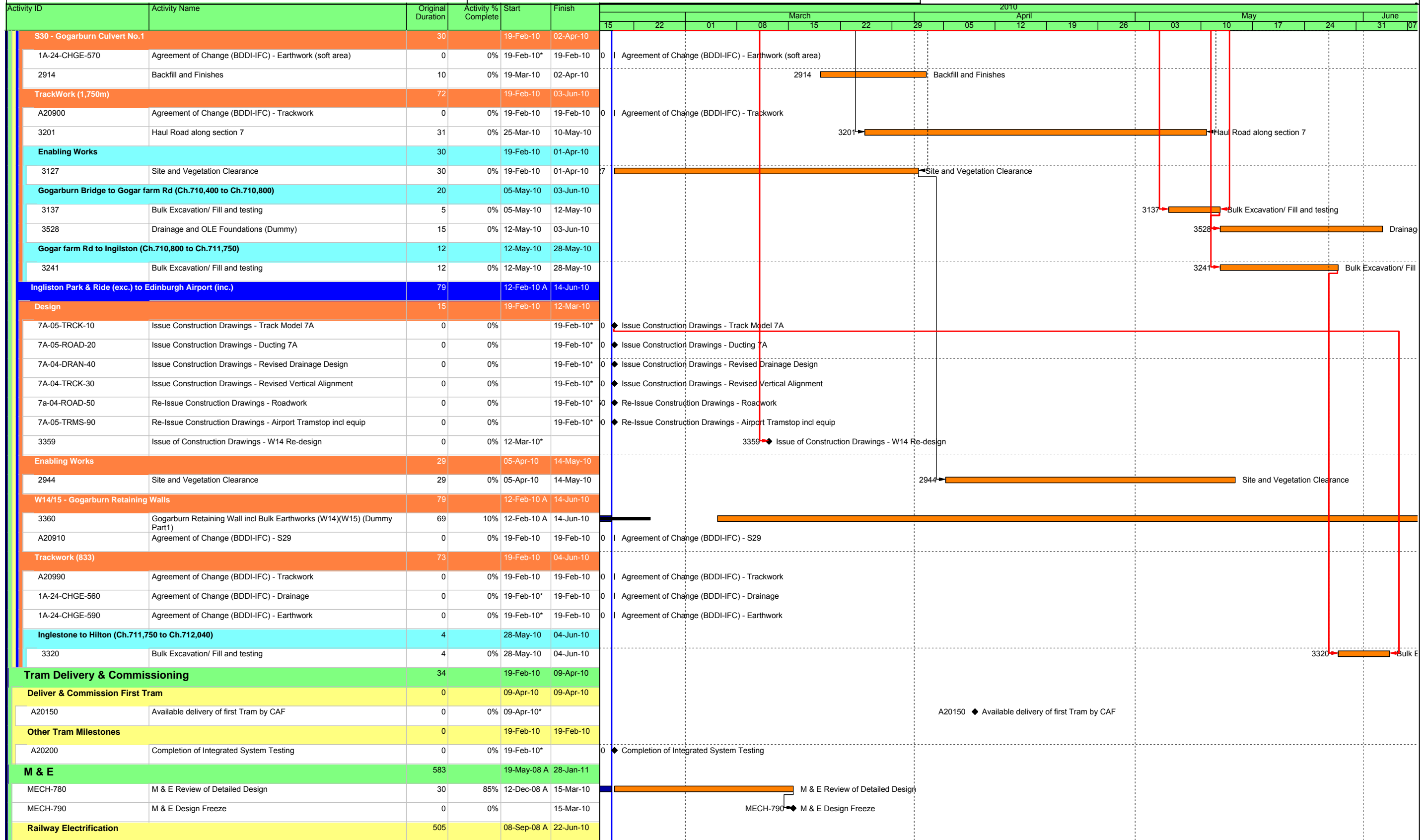
█ Actual Work █ % Complete
█ Normal █ WBS Summary Activity
◆ Milestone ◆ Milestone

This programme is provided for information and coordination purposes only, and without prejudice to the rights of the Infracore under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme."

Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

█ Actual Work █ % Complete
█ Normal █ WBS Summary Activity
◆ Milestone

"This programme is provided for information and coordination purposes only; and without prejudice to the rights of the Infracore under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme."

Three Month Look-Ahead Programme

February - May 2010

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	2010																							
						March							April							May							June		
						15	22	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07							
A17160	SDS Design OLE Foundations (no E&M item)	100	80%	08-Sep-08 A	23-Mar-10	SDS Design OLE Foundations (no E&M item)																							
A17150	Dispatch	240	75%	22-Sep-08 A	22-Jun-10																								
A17140	Manufacturing	260	85%	01-Apr-09 A	30-Mar-10	Manufacturing																							
S-50280	Manufacturing OCS	83	80%	27-Jul-09 A	29-Mar-10	Manufacturing OCS																							
Track Work		359		19-May-08 A	22-Mar-10																								
S-51010	Verification sds design	20	85%	19-May-08 A	18-Mar-10	Verification sds design																							
S-51170	typical drawings	70	95%	20-Oct-08 A	22-Mar-10	typical drawings																							
S-51130	detailed Design	250	92%	20-Oct-08 A	11-Mar-10	detailed Design																							
Rail Automation		233		11-Sep-08 A	13-Sep-10																								
S-54440	procurement & transport TPDS	120	60%	11-Sep-08 A	26-May-10	procurement & transport																							
S-54400	procurement & transport E&M cubicles	210	70%	03-Nov-08 A	14-May-10	procurement & transport E&M cubicles																							
S-54420	procurement & transport fibre optic	120	50%	03-Nov-08 A	13-Sep-10																								
S-54430	procurement & transport PABX	120	95%	10-Nov-08 A	19-Feb-10	procurement & transport PABX																							
S-54450	procurement & transport UPS	120	65%	10-Nov-08 A	29-Apr-10	procurement & transport UPS																							
S-54410	procurement & transport radio system	218	70%	24-Nov-08 A	30-Aug-10																								
Workshop Equipment		360		20-Oct-08 A	28-Jan-11																								
S-53310	ordering DWE	170	30%	20-Oct-08 A	25-May-10	ordering DWE																							
S-53010	Approval detail design DWE	129	88%	24-Oct-08 A	25-Mar-10	Approval detail design DWE																							
S-53220	manufacture DWE	242	35%	09-Mar-09 A	28-Jan-11																								
Change		1		02-Jul-08 A	19-Feb-10	5 "TNC008 - Lindsay Road Retaining Wall Cost Estimate" (Now based on IFC Drawings as agreed with tie)"																							

Date	Revision	Checked	Approved
19-Feb-10	Construction Programme Updated V51 & Progress	JAC	

- █ Actual Work
- █ Normal
- ◆ Milestone
- █ % Complete
- █ WBS Summary Activity

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10.4 Tram Programme



SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK
PROJECT PLANNING up to 23rd of March

Id	Name	%	Start	Finish	2008												2009												2010												2011											
					M	A	M	J	J	A	S	O	N	D	E	F	M	A	M	J	J	A	S	O	N	D	E	F	M	A	M	J	J	A	S	O	N	D	E	F	M	A	M	J	J							
1	GENERAL	100%	06/05/08	06/05/08																																																
2	NTP	100%	06/05/08	06/05/08																																																
3	ENGINEERING	100%	06/05/08	15/05/09																																																
4	BASIC ENGINEERING	100%	06/05/08	13/11/08																																																
5	MOCK-UP	100%	13/05/08	05/11/08																																																
6	DESIGN & MANUFACTURING MOCK-UP	100%	13/05/08	29/09/08																																																
7	APPROVAL MOCK-UP	100%	30/09/08	05/11/08																																																
8	UNDERFRAME DESIGN	100%	01/07/08	24/11/08																																																
9	CARBODY DESIGN	100%	28/08/08	29/04/09																																																
10	LIST OF STEEL MATERIALS	100%	11/06/08	11/06/08																																																
11	INSTALLATIONS DESIGN	100%	24/10/08	14/04/09																																																
12	INTERIORS & FINISHING DESIGN	100%	25/11/08	15/05/09																																																
13	BOGIES DESIGN	100%	23/07/08	15/01/09																																																
14	1st TRAMSET PROCUREMENT	100%	06/05/08	17/07/09																																																
15	SYSTEMS	100%	06/05/08	10/07/09																																																
16	SPECIFICATIONS	100%	06/05/08	04/06/08																																																
17	SELECTION OF SUPPLIERS	100%	21/05/08	01/07/08																																																
18	ORDERS	100%	17/06/08	29/07/08																																																
19	INTERFACE 1- Systems Interface Basic Definition	100%	30/07/08	29/04/09																																																
20	CAF SYSTEMS	100%	30/07/08	31/10/08																																																
21	TPDS	100%	30/07/08	09/01/09																																																
22	RADIO	100%	30/07/08	04/02/09																																																
23	BUS TRACKER	100%	30/07/08	29/04/09																																																
24	INTERFACE 2- Systems Interface Complete Definition	100%	25/09/08	29/04/09																																																
25	CAF SYSTEMS	100%	25/09/08	15/12/08																																																
26	TPDS	100%	25/09/08	06/02/09																																																
27	RADIO	100%	25/09/08	04/03/09																																																
28	BUS TRACKER	100%	25/09/08	29/04/09																																																
29	MANUFACTURING & PURCHASING & TESTING	100%	27/06/08	10/07/09																																																
30	DELIVERY PREASSEMBLIES COMPONENTS	100%	15/04/09	15/04/09																																																
31	DELIVERY FIRST EQUIPMENT	100%	15/04/09	10/07/09																																																
32	OTHERS COMPONENTS & MATERIALS	100%	11/06/08	17/07/09																																																
33	STEEL MATERIALS	100%	11/06/08	24/11/08																																																
34	CARBODY COMPONENTS	100%	24/10/08	16/03/09																																																
35	INSTALLATIONS COMPONENTS	100%	16/12/08	29/05/09																																																
36	INTERIORS & FINISHING COMPONENTS	100%	17/02/09	17/07/09																																																
37	1st TRAM MANUFACTURING & TESTING	95%	29/09/08	18/06/10																																																
38	BODYSHELLS MANUFACTURING	100%	29/09/08	03/04/09																																																
39	JIGS & TOOLING MANUFACTURING	100%	29/09/08	22/12/08																																																
40	FRAME TOOLING	100%	29/09/08	09/12/08																																																
41	BODYSHELL TOOLING	100%	17/10/08	22/12/08																																																
42	1st BODYSHELL MANUFACTURING	100%	09/10/08	26/02/09																																																
43	FIRST PIECES LOT	100%	09/10/08	06/11/08																																																

Bus Tracker material not available

INFORME DE AVANCE DE FABRICACIÓN MANUFACTURING STATUS "EDINBURGH TRAM"

1.- NAVE DE PRUEBAS/TESTING AREA



**INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
"EDINBURGH TRAM"**



2.-ACABADO / FINISHING PROCESS



**INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
"EDINBURGH TRAM"**

3.-PROCESO DE PINTURA / PAINTING PROCESS



INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
“EDINBURGH TRAM”

UNIT	STATUS
A-1	Track testing
B-1	Track testing
C-1	Track testing
F-1	Track testing
G-1	Track testing
D-1	Track testing
E-1	Track testing

UNIT	STATUS
A-2	Track testing
B-2	Track testing
C-2	Track testing
F-2	Track testing
G-2	Track testing
D-2	Track testing
E-2	Track testing

UNIT	STATUS
A-3	Testing area. Factory tests finished.
B-3	Testing area. Factory tests finished.
C-3	Testing area. Factory tests finished.
F-3	Testing area. Factory tests finished.
G-3	Testing area. Factory tests finished.
D-3	Testing area. Factory tests finished.
E-3	Testing area. Factory tests finished.

UNIT	STATUS
A-4	Testing area. Factory tests.
B-4	Testing area. Factory tests.
C-4	Testing area. Factory tests.
F-4	Testing area. Factory tests.
G-4	Testing area. Factory tests.
D-4	Testing area. Factory tests.
E-4	Testing area. Factory tests.

INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
“EDINBURGH TRAM”

UNIT	STATUS
A-5	Finishing process completed. Placed in the testing area.
B-5	Finishing process completed. Placed in the testing area.
C-5	Finishing process completed. Placed in the testing area.
F-5	Finishing process completed. Placed in the testing area.
G-5	Finishing process completed. Placed in the testing area.
D-5	Finishing process completed. Placed in the testing area.
E-5	Finishing process completed. Placed in the testing area.

UNIT	STATUS
A-6	Finishing process completed.
B-6	Finishing process completed.
C-6	Finishing process completed.
F-6	Finishing process completed.
G-6	Finishing process completed.
D-6	Finishing process completed.
E-6	Finishing process completed.

UNIT	STATUS
A-7	Finishing process
B-7	Finishing process
C-7	Finishing process
F-7	Finishing process
G-7	Finishing process
D-7	Finishing process
E-7	Finishing process

UNIT	STATUS
A-8	Finishing process
B-8	Finishing process
C-8	Finishing process
F-8	Finishing process
G-8	Finishing process
D-8	Finishing process
E-8	Finishing process

INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
“EDINBURGH TRAM”

UNIT	STATUS
A-9	Finishing process
B-9	Finishing process
C-9	Finishing process
F-9	Finishing process
G-9	Finishing process
D-9	Finishing process
E-9	Finishing process

UNIT	STATUS
A-10	Finishing process.
B-10	Finishing process.
C-10	Finishing process.
F-10	Finishing process.
G-10	Finishing process.
D-10	Finishing process.
E-10	Finishing process.

UNIT	STATUS
A-11	Finishing process.
B-11	Finishing process.
C-11	Finishing process.
F-11	Finishing process.
G-11	Finishing process.
D-11	Finishing process.
E-11	Finishing process.

UNIT	STATUS
A-12	Painted.
B-12	Painted.
C-12	Painted.
F-12	Painted.
G-12	Painted.
D-12	Painting process
E-12	Painted.

UNIT	STATUS
A-13	Painting process
B-13	Painting process
C-13	Painting process
F-13	Painting process
G-13	Painting process
D-13	Painting process
E-13	Painting process

INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
“EDINBURGH TRAM”

UNIT	STATUS
A-14	Painting process
B-14	Painting process
C-14	Painting process
F-14	Painting process
G-14	Painting process
D-14	Painting process
E-14	Painting process

UNIT	STATUS
A-15	Bodyshell assembly finished. To begin the process of painting
B-15	Bodyshell assembly finished. To begin the process of painting
C-15	Bodyshell assembly finished. To begin the process of painting
F-15	Bodyshell assembly finished. To begin the process of painting
G-15	Bodyshell assembly finished. To begin the process of painting
D-15	Bodyshell assembly finished. To begin the process of painting
E-15	Bodyshell assembly finished. To begin the process of painting

UNIT	STATUS
A-16	Bodyshell assembly finished. To begin the process of painting
B-16	Bodyshell assembly finished. To begin the process of painting
C-16	Bodyshell assembly finished. To begin the process of painting
F-16	Bodyshell assembly finished. To begin the process of painting
G-16	Bodyshell assembly finished. To begin the process of painting
D-16	Bodyshell assembly finished. To begin the process of painting
E-16	Bodyshell assembly finished. To begin the process of painting

INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
“EDINBURGH TRAM”

UNIT	STATUS
A-17	Bodyshell assembly finished. To begin the process of painting
B-17	Bodyshell assembly finished. To begin the process of painting
C-17	Bodyshell assembly finished. To begin the process of painting
F-17	Bodyshell assembly finished. To begin the process of painting
G-17	Bodyshell assembly finished. To begin the process of painting
D-17	Bodyshell assembly finished. To begin the process of painting
E-17	Bodyshell assembly finished. To begin the process of painting

UNIT	STATUS
A-18	Bodyshell fabrication.
B-18	Bodyshell fabrication.
C-18	Bodyshell fabrication.
F-18	Bodyshell fabrication.
G-18	Bodyshell fabrication.
D-18	Bodyshell fabrication.
E-18	Bodyshell fabrication.

Signed: Idoia Garmendia
 CAF Q.A.

10.5 RFI Register

Civil Process Register

Company Bilfinger Berger Civil
Channel ETN (<http://etn.mybiw.com>)



Status	System Ref	WorkPackage Ref	Publishing Company	Title	Content	Publishing User	Issued Date
Open	RFI-00247		Bilfinger Berger Civil	North St Andrews St - Scottish Power - MUDFA issue	Please provide as built details of diverted Scottish Power utility that is within the utility clearance zone	Simon Nesbitt	12/08/2009
Open	RFI-00255		Bilfinger Berger Civil	Splitter Island Ch130+280	Traffic island to Ch130+280 has to be installed into its original position. This island had been	Iain Crawford	20/11/2009
Open	RFI-00256		Bilfinger Berger Civil	Underground Structures / Obstructions	Please provide as built details of all known underground structures or other obstructions	Simon Nesbitt	01/12/2009
Needs further clarification	RFI-00260		Bilfinger Berger Civil	Lindsay Road	At junction Lindsay Road and North Fort Street there are 3 No cabinets and a radio mast. The mast is	Frank Young	17/12/2009

CEC00630014_0144

System Process Register

Company Bilfinger Berger Civil
Channel ETN (<http://etn.mybiw.com>)



Status	System Ref	WorkPackage Ref	Publishing Company	Title	Content	Publishing User	Issued Date
Needs further clarification	RFI-00065	BSC-64	Siemens Transportation Systems	RFI 065 - ELECTRICITY AND METER SUPPLIER	ELECTRICITY AND METER SUPPLIER Issued 03.07.08 Resposne Received 10.07.08 - TRN-1544	Roland Brueckmann	24/07/2008
Needs further clarification	RFI-00074	BSC-73	Siemens Transportation Systems	RFI 074 - WASHING PLANT DESIGN	WASHING PLANT DESIGN Issued 11.07.08 Response Received 16.07.08 - TRN-01584	Norbert Wunder	24/07/2008
Needs further clarification	RFI-00077	BSC-76	Siemens Transportation Systems	RFI 077 - RE-ISSUE OF RFI 067	RE-ISSUE OF RFI 067 Issued 14.07.08 Response Received 18.07.08 - TRN-01596	Robert Kraemer	24/07/2008
Needs further clarification	RFI-00099	BSC-98	Siemens Transportation Systems	RFI 00099-ETN(DWE)TIE&ABC050014_Compressed Air	Following previous versions of the ER the technical proposal for the DWE considers a Compressed Air	Robert Kraemer	15/08/2008
Needs further clarification	RFI-00215		Siemens Transportation Systems	TRAMSTOP CABINET KEY SUITE SYSTEM INFORMATION	Can TIE please provide the following:- •Type of key required for Tramstop Cabinet lock to equip	Michael Wilken	06/04/2009
Needs further clarification	RFI-00218		Siemens Transportation Systems	Ingliston Park and Ride existing CCTV cameras.	Section 35.9.1 of the ER (issue 4) states that "The ODN also needs to allow for 7 existing, plus t	Michael Wilken	06/04/2009
Needs further clarification	RFI-00219		Siemens Transportation Systems	Facilities to be provided at emergency/backup control room?	Section 35.11.1 of the ER states "The ODN shall support the emergency relocation of Contro Centre	Michael Wilken	06/04/2009
Needs further clarification	RFI-00222		Siemens Transportation Systems	Lift operation at Murrayfield tramsop.	Section 35.8.1 of the ER (issue 4) states "Each Tramstop platform shall be equipped with at least o	Michael Wilken	06/04/2009
Needs further clarification	RFI-00223		Siemens Transportation Systems	Additional PHP call handler?	Within the Railcom Manager Outline Design review item 4.8 states "PHP call responses. In times of	Michael Wilken	10/04/2009
Needs further clarification	RFI-00239		Siemens Transportation Systems	Provision of timetable and timetable data	Please would tie provide to BSC an initial operational timetable including: 1. 'Compulsory' and	Michael Wilken	15/06/2009
Needs further clarification	RFI-00240		Siemens Transportation Systems	Definition of user categories for Control Centre	During the Signalling Design Review Meeting on 24 March 2009 it has been agreed that tie/Transdev	Michael Wilken	15/06/2009
Needs further clarification	RFI-00243		Siemens Transportation Systems	Location of playback facilities within Gogar Depot?	Section 35.14.13 of the Employer's Requirements (issue 4) states that "The system shall provide pl	Michael Wilken	07/07/2009
Open	RFI-00251		Siemens Transportation Systems	EMC Assessment of new A2B electric rolling stock	Please see attached RFI.	Michael Wilken	18/09/2009
Open	RFI-00259		Siemens Transportation Systems	Tramstop Platform identification convention	Can TIE please advise the nomenclature to be used to distinguish platforms at a given Tramstop.	Michael Wilken	11/12/2009

CEC00630014_0145

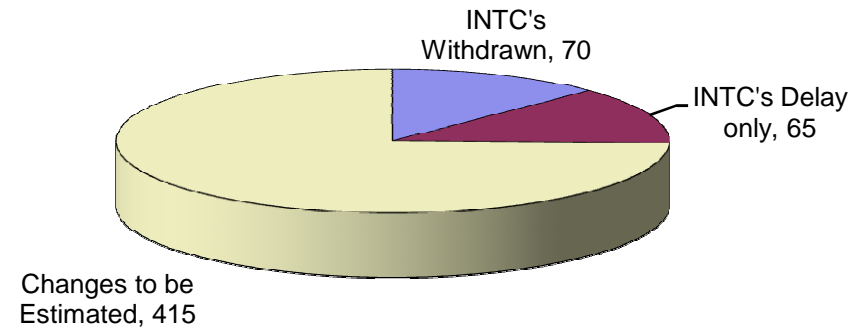
10.6 Civil Works Procurement Schedule

Subcontract Procurement / Register Contract : Edinburgh Tram Network				BILFINGER BERGER UK Limited										Appendix 10.6								
Enquiry Ref Number	Subcontract Trade	Section	Company	Prospective Companies	OS	PROGRAMME REQUIREMENTS						PROCESSES										
						Enquiry Needs Sent Out By (F74-3)	Status	Order Needs Placed By	Status	Letter of Intent Issued / Limited Order to Proceed	Required for Start on Site	Design Package Issued for Construction	F74-1 Subcontract Questionnaire	F519-1 Subcontract Questionnaire	F74-4 Pre-Award/Pre Start	F74-5 Quality Plan	Authority to Place	CI 26.2 Approval	F74-9 Questionnaire Review	Order Issued	Order Back	F74-11 Starter Form
1	Land Surveys (SW)	SW	Becker Geomatics Ltd		KB	n/a	✓	n/a	✓		n/a	n/a	✓				n/a		✓	✓	✓	
2	Tree Felling / Advance Works (SW)	SW	W Laing		JT	n/a	✓	n/a	✓		n/a						n/a		✓	✓	✓	
3	Site Clearance / Civils Package (7A)	7A	Farrans (Construction) Ltd		DG	n/a	✓	n/a	✓		n/a		✓	✓			n/a		✓		✓	
4	Setting Out Engineers / Advance Works	SW	Beattie Chalmers Ltd		JT	n/a	✓	n/a	✓		n/a		n/a				n/a		✓	✓	✓	
5	Demolition of Caley Alehouse	2A	John Graham (Dromore) Ltd		DG	n/a	✓	n/a	✓		16-Jun-08		✓	✓			n/a		✓		✓	
9	Existing Road Surveys	SW	Mouchel		KB	n/a	✓	n/a	✓		23-Jun-08		✓		✓		n/a		✓	✓	✓	
10	Erection of Temporary Trackside Fencing	5	Lumberjax Environmental		JT		✓		✓		21-Jun-08				✓		n/a		✓	✓	✓	
11	Civils Package	7A/5C		Farrans	DG	16-Jun-08		28-Jul-08		06-Aug-08	04-Aug-08		✓	✓	✓		✓				✓	
12	Civils Package	2A1D5A		John Graham (Dromore) Ltd	GA	23-Jun-08		21-Jul-08			02-Mar-09											
17	Temporary Works Design	SW	Tony Gee		TG	12-May-08	✓	23-Jun-08		30-Jun-08	n/a		✓	✓			n/a	✓			✓	
18	Formwork, Rebar, Concrete	5	Expanded Ltd		GA	23-Jun-08	✓	21-Jul-08		29-May-09	18-Aug-08		✓	n/a				✓				
20	PC Beams	5	Banagher		TG	23-Jun-08	✓	20-Oct-08	✓		01-Dec-08											
21	Site Clearance	5	Edinburgh Woodland		JT	04-May-09	✓	19-May-09	✓	n/a	25-Jun-09				✓				✓	✓	✓	
23	A8 Lighting Column Relocation	5	Harte Lighting & TRL Signs					18-Jan-09			18-Jan-09											
24	Photography	SW	White House Studios		KB	04-Jun-08	✓	16-Jul-08	✓	n/a	23-Jul-08		✓	n/a	✓	n/a		n/a	n/a	✓	✓	✓
25	Structural Steel	5	Fairfield Mabey		GA	Jan 08	✓			26-Jun-08	01-Dec-08	28-Jul-08	✓	n/a								✓
26	Traffic Management (SW)	SW	Class One		TG		✓	22-Jul-08		22-Jul-08	05-Aug-08		✓	✓	✓	✓						
30	Deck waterproofing & Surface Treatment	SW		Universal Sealants, Pitchmastic, Stirling Loyd	DG																	
31	Metal railings and handrailing	SW	Construction Consultants (Yorkshire) Ltd		KB																	
34	Designers	SW	Parsons Brickerhoff		KB												n/a					✓
38	Civils Package	6	Barr Ltd		DG	26-May-08	✓	07-Jul-08	✓	02-Jun-08	04-Aug-08		✓		✓		✓		✓	✓		
39	Murrayfield Clubhouse	5A	BMR Developments		JT	09-Mar-09	✓	07-Sep-09			07-Sep-09											
42	Property Conditions Survey	SW		DM Hall / PT / DTZ	DG																	
44	Site Investigation Works	5	Raeburn		JT	02-Jun-08	✓	30-Jun-08		n/a	07-Jul-08				✓	n/a				✓	✓	✓
45	Civils Package	1B	Crummock		DG	04-Aug-08	✓	10-Oct-08		10-Sep-08	06-Oct-08	07-Jul-08	✓	✓	✓	✓	✓					✓
46	Civils Package	1D	MacKenzie		DG	04-Aug-08	✓	27-Oct-08		17-Dec-08	05-Jan-09	04-Jul-08	✓	✓	✓		✓	✓				✓
48	Control Network Survey Check - Site Wide		L & M Surveys		KB	03-Jul-08	✓	14-Jul-08		n/a	14-Jul-08		✓	n/a	✓	n/a		n/a	✓	✓	✓	✓
49	Utility Diversions	SW		Core Construction, Clancy Docwra, Intuto	DG	14-Jul-08	✓															
53	Acoustic Monitoring	SW	RMP Acoustic Consultants		KB	n/a		20-Jul-08	✓		27-Jul-08		✓	✓	✓		n/a		✓	✓	✓	
55	BT Duct & Cable works	SW	Fujitsu		CF	n/a		12-Oct-09	✓		20-Oct-09		✓	n/a	✓		✓		✓	✓	✓	
58	Ecologist	SW	JDC Ecology Ltd		KB										✓				✓	✓	✓	
60	Demolition	SW	Hunter Demolition		SK	14-Jul-08	✓	01-Aug-08	✓	28-Jul-08	18-Aug-08		✓	n/a	✓		✓		✓	✓	✓	
61	Archaeology	SW	Glasgow University Research Division		TG	n/a		n/a	✓	n/a	04-Aug-08		n/a	n/a	✓	n/a		n/a	n/a	✓	✓	
65	Supply of CRE	SW	Siemens TS		SK	n/a		n/a	✓	n/a	n/a		n/a	n/a	n/a	n/a		n/a	n/a	✓	✓	
68	W3 & W4 Piling	5A	Expanded Ltd		GA																	
70	Groundworks	5	Gallagher Goundworks		SK	25-Jul-08	✓	04-Aug-08	✓	n/a	11-Aug-08						n/a		✓	✓	✓	
73	Edinburgh Park Hoarding	5	Rapid Hoard Ltd		JT	01-Aug-08	✓	15-Aug-08	✓	n/a	29-Aug-08		✓	✓	✓		n/a		✓	✓	✓	
74	A8 Underpass	5	Expanded Piling Ltd		GA	06-Aug-08	✓	03-Sep-08	✓	15-Sep-08	15-Sep-08		✓	✓	✓	✓	✓	✓				✓
77	Temporary Traffic Signals	SW			DG					n/a	02-Oct-08		n/a					n/a				
81	Edinburgh Park Structure	5	Expanded Structures Ltd		GA	03-Oct-08	✓	n/a		05-Nov-08	Nov 08		✓	n/a	✓		✓	✓				✓
82	Japanese Knotweed Eradication	5	TCM Ltd		GA	16-Sep-08	✓	n/a	✓	30-Sep-08	20-Oct-08		✓	n/a	✓	n/a		✓	✓	✓	✓	
84	Site Clearance	5	D Methuen Turnstone Ltd		JT	n/a		15-Sep-08	✓	n/a	16-Sep-08				✓	n/a		n/a	✓	✓	✓	

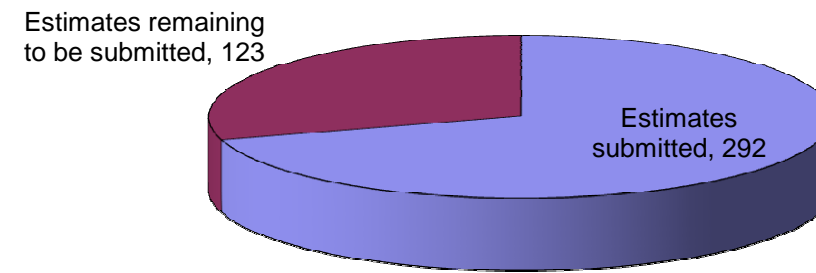
Subcontract Procurement / Register Contract : Edinburgh Tram Network				BILFINGER BERGER UK Limited										Appendix 10.6									
				PROGRAMME REQUIREMENTS										PROCESSES									
ID	Description	Code	Contractor	Ref	Start	Comp	End	Start	Comp	End	Start	Comp	End	Start	Comp	End	Start	Comp	End	Start	Comp	End	
85	Traffic Management Design		Faber Maunsell	SK	12-Sep-08	✓	08-Oct-08	✓	n/a	10-Oct-08				✓			✓	✓	✓				
86	Steel Foundations	S27	Steel Foundations Ltd	DT						14-Oct-08	15-Oct-08		✓	n/a	✓		✓			✓			
87	Temporary Sheet Piling Carrick Knowe	S23	McGrattan Piling Ltd	DT	06-Oct-08	✓	20-Oct-08			05-Nov-08	20-Nov-08		✓	n/a	✓				✓			✓	
88	Civils Package	1A1	Included in 89	SK	03-Oct-08	✓							✓	n/a					✓				
89	Civils Package	1A2	McKean	SK	03-Oct-08	✓	02-Sep-09			10-Jun-09	13-Jul-09		✓	n/a					✓				
90	W1, S16, S17 - Structures	1A	Included in 89	SK	03-Oct-08	✓							✓	n/a					✓				
91	Temporary Traffic Signals		Lochwynd	SK			21-Nov-08	✓			12-Dec-08		✓	n/a			✓	✓		✓	✓	✓	
95	Site Clearance	5B / 5C	MW Groundworks Ltd	JT	28-Nov-08	✓	12-Dec-08			n/a	22-Dec-08		✓	n/a	✓	n/a			✓	✓	✓	✓	
96	Fencing to Consortium Office		William Houston Landscaping	JT	19-Dec-08	✓	16-Jan-09			n/a			✓	n/a		n/a			✓	✓	✓	✓	
100	Temporary Traffic Signals	1	Siemens Traffic Controls	SK				✓	09-Jan-09	10-Jan-09			n/a	n/a	n/a	n/a	✓	✓	n/a	✓	✓	✓	
101	Amendments to Existing Traffic Signals	1	Telent	SK	n/a		19-Jan-09	✓	n/a	26-Jan-09			✓	n/a			✓	n/a		✓	✓	✓	
102	Amendments to Existing Traffic Signals	1	Peek	SK	n/a		19-Jan-09	✓	n/a	26-Jan-09			✓	n/a	n/a	✓	✓	n/a	✓	✓		✓	
103	Earthworks	6	Duncan Collier Haulage	JL						03-Apr-09	04-Apr-09		✓	n/a	✓	✓	✓	n/a	✓	✓		✓	
104	Civils Package	1C2	RJ McLeod, Barr Ltd, McKeen, Land Engineering, Malcom Group, WJ Harte	SS										n/a									
107	A8 Underpass Sheet Piling	5C	McGrattan Piling Ltd	DAT	01-Nov-08		16-Mar-09	✓	05-Mar-09	06-Apr-09			✓		✓							✓	
	Tramstop Shelters & Ancillary Equipment	SW	RWS	SK	01-Mar-09	✓							✓	n/a									
108	Substation Prefab Buildings	SW	Portastor	SK	01-Mar-09	✓							✓	n/a									
109	Streetlighting	SW	BEAR, Harte, Pegasus, SBCContracts, Lightways, Edminston & Brown, Orion	SK	17-Jul-09	✓								n/a									
110	Temporary Lighting	5B	City of Edinburgh Council	JL	02-Jun-09	✓	13-Jul-09			26-Jun-09	27-Jun-09		✓	n/a						✓			
111	Environmental Emergency Response	SW	DAMM Environmental Ltd	JL	04-May-09	✓	04-Jun-09			26-Jun-09	26-Jun-09		✓	n/a	✓		✓			✓	✓	✓	
112	OHLE Piling Contractors (Guided Busway)	5	MG Construction	JL		✓				07-Aug-09	24-Aug-09		✓	n/a	✓		✓			✓		✓	
122	Power Cable Diversions		Core Utility Solutions Ltd	CF																			

10.7 Change Register

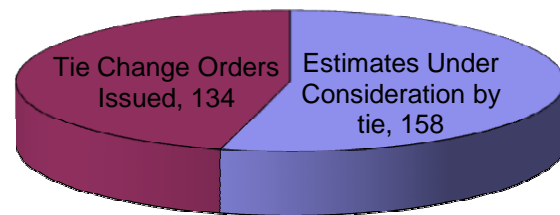
**Overall Changes (TCN's & INTC's)
Total 557**



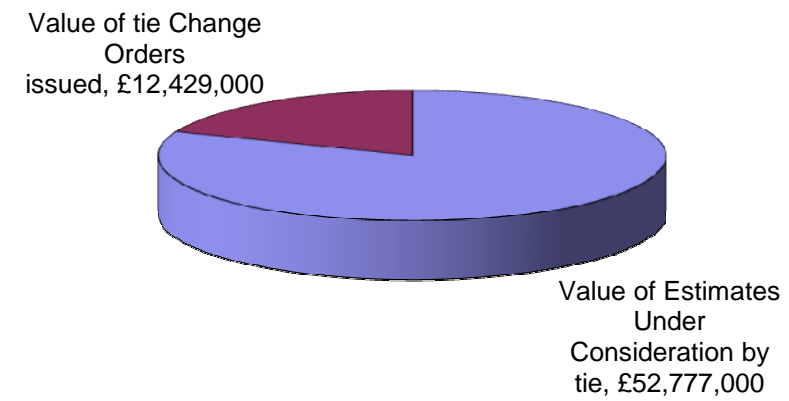
**Overall Estimates (TCN's & INTC's)
Total 415**



**Overall Estimates (TCN's & INTC's) submitted and Tie Change Orders Issued
Total 292**



Value of TCN's & INTC's submitted VS Tie Change Orders Issued





ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Withdrawn/Superseded/no cost
Delay Only
Change Order issued

Ref	Ref. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Location			
														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
														Sub-total	OH & P	Consortium Prelims	Other Prelims	Total	SDS	Bilfinger	Siemens	CAF							
29			Delay to Haymarket Station Car Park Access Road due additional and revisions initiated by tie notified by SDS in their response to attached Technical Query BBS 006 dated 5 June 2008 in accordance with Schedule Part 4 paragraph 3.4.5.4.	17/06/2008	27/06/08 01/07/08 30/07/08 19/09/08 02/10/08 18/11/08 16/12/08	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/326 tie-INF CORR 169 25.1.201/JH/586 SDS-ULE90130-SW-LET-01277 25.1.201/JH/187					M	1	1, 2, 3, 4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2A	0	
30			Instruction to SDS to accelerate the delivery of IFC to meet the BBS programme as SDS Letter 00331 in accordance with Schedule Part 4 paragraph 3.4.5.5.	17/06/2008	22/05/08 27/06/08 01/07/08 30/07/08 19/09/08 02/10/08 16/12/08 18/12/08 07/01/09 26/08/09 09/09/09	SDS-ULE90130-07-LET-00331 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/326 tie-INF CORR 169 25.1.201/JH/587 25.1.201/JH/1181 tie INF CORR 537 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01684 25.1.201/BOC/3420					M	1	1, 2, 3, 4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
31			Instruction to SDS to provide a single handrail to Telford Road Bridge as SDS Letter 00237 in accordance with Schedule Part 4 paragraph 3.4.1.3.	17/06/2008	27/06/08 01/07/08 30/07/08 19/09/08 22/09/08 02/10/08 18/11/08	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/326 tie-INF CORR 169 SDS-ULE90130-03-LET-00267 25.1.201/JH/588 SDS-ULE90130-SW-LET-01279					M	1		0	0	0	0	0	0	0	0	0	0	0	0	N/A	3	0	
32			CEC failure to approve within agreed timescales as SDS Letter 00257 in accordance with Schedule Part 4 paragraph 3.4.5.1	17/06/2008	07/02/08 28/02/08 03/03/08 12/03/08 13/03/08 04/04/08 29/04/08 22/05/08 27/06/08 01/07/08 30/07/08 19/09/08 02/10/08 02/10/08	25.1.201/TM/100 25.1.201/TG/105 25.1.201/SW/107 25.1.201/SW/109 25.1.201/SW/110 25.1.201/SW/114 25.1.201/SW/124 25.1.201/SW/134 & 135 & 136 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/326 tie-INF CORR 169 25.1.201/JH/584 25.1.201/JH/588					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0
33			Network Rail failure to approve within agreed timescales as SDS Letter 00266 in accordance with Schedule Part 4 paragraph 3.4.27 Balgreen and Baird Drive structures	17/06/2008	27/06/08 01/07/08 14/07/08 25/07/08 30/07/08 31/07/08 19/09/08 02/10/08	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/258 tie-INF CORR 056 25.1.201/JH/326 25.1.201/JH/331 tie-INF CORR 169 25.1.201/JH/601					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0
34			New Requirements introduced by Public Realm Design Workbook as SDS Letter 00648 in accordance with Schedule Part 4 paragraph 3.4.43 Shandwick Place	17/06/2008	28/05/08 29/05/08 27/06/08 01/07/08 14/07/08 24/07/08 28/07/08 30/07/08 08/08/08 19/09/08 19/09/08 02/10/08 16/12/08	SDS-ULE90130-01-LET-00646 SDS-ULE90130-01-LET-00648 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/255 tie-INF CORR 054 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 tie-INF CORR 087 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/JH/589 25.1.201/JH/1181					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0	
35			New Requirements introduced by Public Realm Design Workbook as SDS Letter 00645 in accordance with Schedule Part 4 paragraph 3.4.43	17/06/2008	27/06/08 01/07/08 28/07/08 30/07/08 28/08/08 19/09/08 19/09/08 22/09/08 02/10/08 30/10/08 18/11/08	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 tie INF CORR 121 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 SDS-ULE90130-01-LET-00613 25.1.201/JH/602 25.1.201/JH/805 SDS-ULE90130-SW-LET-01280					M	1		0	0	0	0	0	0	0	0	0	0	0	0	N/A	1	0	
36			Delay and Disruption to Crew Road Gardens Bridge IFC as SDS Letter 00239 in accordance with Schedule Part 4 paragraph 3.4.5.1	17/06/2008	23/05/08 27/06/08 01/07/08 28/07/08 30/07/08 19/09/08 02/10/08	SDS - ULE90130-03-LET-00239 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/JH/603					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	3	0	
37			Delay and Disruption to Roseburn Terrace Bridge, Roseburn Tramstop, Roseburn Retaining Walls IFC as SDS Letter 00238 in accordance with Schedule Part 4 paragraph 3.4.1.3	17/06/2008	21/05/08 22/05/08 27/06/08 01/07/08 28/07/08 30/07/08 19/09/08 19/09/08 02/10/08 23/10/08 16/12/08	E-MAIL 5.MI to SDS SDS-ULE90130-03-LET-00238 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/JH/590 25.1.201/JH/763 25.1.201/JH/1181					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	3	0	
38			Delay and Disruption to Roads detailed design as SDS Letter 01074 in accordance with Schedule Part 4 paragraph 3.4.5.1	17/06/2008	29/05/08 27/06/08 01/07/08 28/07/08 30/07/08 22/08/08 (31/7/08) 27/08/08 19/09/08 19/09/08 06/10/08 13/10/08 10/11/08 20/11/08	SDS-ULE90130-SW-LET-01074 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 25.1.201/JH/398 (tie-INF CORR.061) SDS-ULE90130-SW-LET-01174 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/MRH/622 SDS-ULE90130-SW-LET-01235 25.1.201/MRH/880 tie INF CORR 414					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
39			Delay to Shandwick Place Tram Stop Batch (1/16) Validation as SDS Letter 00646 in accordance with Schedule Part 4 paragraph 3.4.5.1	17/06/2008	28/05/08 27/06/08 01/07/08 28/07/08 30/07/08 19/09/08 19/09/08 02/10/08 21/08/09 31/08/09 16/10/09	SDS-ULE90130-01-LET-00646 25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/JH/599 tie INF CORR 2083 25.1.201/KDR/400 tie INF CORR 2407/RB					M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0	



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Withdrawn/Superseded/no cost
Delay Only
Change Order issued

Ref	Tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section		Change Order Value		
														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number		See Notes	
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total								
40			Delay and Disruption to Ground Investigation as SDS Letter 00647 in accordance with Clause 18 and Clause 65	17/06/2008	27/06/08 01/07/08 28/07/08 30/07/08 19/09/08 19/09/08	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1	0
41			Delay and Disruption to Ravelston Tramstop, Ravelston Dykes Bridge, Roseburn Retaining Walls as SDS Letter 00241 in accordance with Schedule Part 4 paragraph 3.4.1.3	17/06/2008	27/06/08 01/07/08 28/07/08 30/07/08 19/09/08 19/09/08 02/10/08 16/12/08	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		3	0
42		58	Delay and Disruption to Ravelston Tramstop Landscaping as SDS Letter 00247 in accordance with Schedule Part 4 paragraph 3.4.1.3 Amendments to landscaping design	17/06/2008	27/06/08 01/07/08 28/07/08 30/07/08 19/09/08 19/09/08 02/10/08 02/10/08 03/10/08 21/10/08 30/10/08 17/11/08 18/11/08 21/11/08 01/12/08 17/12/08 30/03/09 03/04/09 27/04/09 30/04/09 27/05/09 01/06/09 03/06/09	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/JH/596 25.1.201/JH/600 SDS-ULE90130-03-LET-00268 25.1.201/JH/736 tie INF CORR 304 25.1.201/JH/529 SDS-ULE90130-SW-LET-01281 25.1.201/BOC/987 SDS-ULE90130-SW-LET-01305 25.1.201/JH/1195 INF CORR 748 25.1.201/JH/2166 SDS-ULE90130-03-LET-00273 25.1.201/L/2497 tie INF CORR 1532/DS tie INF CORR 1565/MP 25.1.201/JH/2781	1		1	1	M	1	2,052	0	0	0	2,052	205	152	0	2,409	2,409	-0	N/A		3	2,409			
43			Delay and Disruption due to amended design for Shandwick Place Lighting as SDS Letter 00669 in accordance with Schedule Part 4 paragraph 3.4.1.3	17/06/2008	27/06/08 01/07/08 14/07/08(18/06/08) 24/07/08 28/07/08 30/07/08 08/08/08 19/09/08 19/09/08 02/10/08 16/12/08 07/01/09 10/02/09 21/08/09 31/08/09	25.1.201/TM/169 tie-PD CORR 104A 25.1.201/JH/199 25.1.201/JH/255(inc SDS-ULE90130-01-LET-00692) tie-INF CORR 054 SDS-ULE90130-SW-LET-01130 25.1.201/JH/326 tie-INF CORR 087 SDS-ULE90130-SW-LET-01202 tie-INF CORR 169 25.1.201/JH/593 25.1.201/JH/1181 SDS-ULE90130-SW-LET-01330 SDS-ULE90130-SW-LET-01379 tie INF CORR 2863 25.1.201/KDR/3400			N/A		M	1	1, 2, 3, 4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1D	0
44		1	TNC001 : Amendments to Ocean Terminal Layout	28/05/2008	11/06/08 13/06/08 26/06/08 02/07/08 28/07/08 01/08/08 16/09/08 19/09/08 23/09/08 26/09/08 16/10/08 17/11/08 20/11/08 04/12/08 12/12/08 18/12/08 18/12/08 05/01/09 07/01/09 09/04/09 16/04/09	tie-TNC001 25.1.201/TM/151 tie-INF CORR_002 25.1.201/GC/181 25.1.201/TM/204 SDS-ULE90130-SW-LET-01130 25.1.201/GC/342 tie INF CORR 154 SDS-ULE90130-SW-LET-01202 tie INF CORR 185 25.1.201/CHB/546 tie INF CORR 244 tie INF CORR 387 25.1.201/MRH/973 25.1.201/GC/1087 tie INF CORR 508 tie INF CORR 537 25.1.201/MRH/1209 tie INF CORR 553 25.1.201/MRH/1247 tie INF CORR 1210/MP 25.1.201/MRH/2303	1	1	1	I	1	1	0	117,255	0	0	0	117,255	0	8,677	20,520	146,451	-25,201	171,652	DPS	13	1A	0		
45			Delay and Disruption due to amended design for A25920 - Balfour Street Tram Stop as SDS Letter 00701 in accordance with Schedule Part 4 paragraph 3.4.1.3	04/07/2008	04/06/08 30/06/08 23/07/08 (22/07/08) 16/12/08	SDS-ULE90130-01-LET-00670 SDS-ULE90130-01-LET-00701 25.1.201/JH/217 25.1.201/JH/290 (inc Tie INF CORR 045) 25.1.201/JH/1181			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1B	0
46			Delay and Disruption due to amended design for SDS250040-1B Roads, Street Lighting, Landscaping and Drainage as SDS Letter 00701 in accordance with Schedule Part 4 paragraph 3.4.1.3	04/07/2008	04/06/08 30/06/08 01/07/08 11/07/08 22/07/08 23/07/08 23/07/08 16/12/08	SDS-ULE90130-01-LET-00670 SDS-ULE90130-01-LET-00701 SDS-ULE90130-01-LET-00707 25.1.201/JH/217 SDS-ELE90130-01-LET-00732 tie-INF CORR 045 25.1.201/JH/287 25.1.201/JH/290 25.1.201/JH/1181			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1B	0
47			Delay and Disruption due to amended design for SDS24720 - Issue Roads Design to Roads Authority for Approval Section 1A1, SDS87870 - Issue Roads Design to Roads Authority for Approval Section 1A2, SDS88010 - Issue Roads Design to Roads Authority for Approval Section 1A4 as SDS Letter 00703 in accordance with Schedule Part 4 paragraph 3.4.1.3	04/07/2008	04/06/08 30/06/08 11/07/08 22/07/08 23/07/08 16/12/08	SDS-ULE90130-01-LET-00670 SDS-ULE90130-01-LET-00701 SDS-ULE90130-01-LET-00703 25.1.201/JH/217 SDS-ULE90130-01-LET-00721 tie-INF CORR 045 25.1.201/JH/290 25.1.201/JH/1181			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1A	0
48		15	Additional TRO Drawings as SDS letter ref ULE90130-SW-LET-01100 dated 4th July - Inconjunction with SDS Agreement Schedule Clause 15, and Schedule 4 Clause 3.5. 5.4	16/07/2008	04/07/08 17/11/08 18/12/08 07/01/09 22/01/09 03/02/09 06/02/09 09/02/09 29/04/09	SDS-ULE90130-SW-LET-0110 25.1.201/JH/268 25.1.201/JH/945 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 629 SDS-ULE90130-SW-LET-01367 25.1.201/JH/1493 25.1.201/BOC/1529 tie INF CORR 1347/MP	1		1	D	1	3	3,404	0	0	0	3,024	302	224	0	3,550	3,550	-0	N/A		All	3,550			



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

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Delay Only
Change Order issued

Ref	Tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section	Change Order Value
														£ Submitted										£ Agreed	£ Not Agreed		
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total					
49	6		TNC 6 : Bernard Street Public Realm Works	24/06/2008	08/04/08 27/05/08 28/05/08 12/06/08 12/06/08 12/06/08	BB/ie-Email-Bernard St Layout BB/ie-Email - Tramstop SDS-ULE90130-01-LET-00645 Email BB/CEC - Prior App Sub SDS-ULE90130-01-LET-00685 BB/ie-Email Paving tie- INF CORR 009 25.1.201/IL324 tie- INF CORR 121 25.1.201/IL485 18/09/08 Email BB-Crumock-paving SDS-ULE90130-01-LET-00813 tie INF CORR 177 22/09/08 25.1.201/IL550 30/09/08 e-mail L Little (Programme) 21/10/08 23/10/08 25.1.201/IL760 30/10/08 25.1.201/JH/805 tie INF CORR 278 24/11/08 25.1.201/IL996 tie INF CORR 409 24/11/08 25.1.201/MRH/1016 26/11/08 tie INF CORR 464 08/12/08 25.1.201/IL1126 10/12/08 tie INF CORR 537 18/12/08 25.1.201/MRH/1247 07/01/09 tie INF CORR 1218/JO 09/04/09 25.1.201/IL2295 15/04/09	1	1	1	I	4	1,2 & 3	0	1,046,220	0	0	1,046,220	0	77,420	183,088	1,306,728	720,356	586,372	N/A		1A	0
50	22		Various Traffic Signal requirements tie letter INF_CORR.038 16/7/8	16/07/2008	07/02/08 18/07/08 07/08/08 08/09/08 24/09/08 18/12/08 07/01/09 11/03/09 04/06/09 30/11/09	25.1.201/TM/100 tie- INF CORR 038 ETN(BSC)TIE & ABC tie INF CORR 081 ETN(BSC)TIESCC&ABC#50039 tie INF CORR 183 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 840 ETN(BSC)TIE-SPM&ABC#053430 tie INF CORR 2926/CB	1	1	1	I	1		0	0	31,188	0	31,188	incl	incl	0	31,188	30,550	638	N/A	1	30,550	
51	2	6	TNC002 : Utilities diversions & associated works deemed more suitable for inclusion with Infraco works rather than MUDFA works. Issued with drawings & schedule. Section 5a.	06/06/2008	27/06/08 23/07/08 28/07/08 07/08/08 14/08/08 20/08/08 21/08/08 17/09/08 17/09/08 08/10/08 08/10/08 09/10/08 09/10/08 16/10/08 22/10/08 29/10/08 17/11/08 20/11/08 28/11/08 03/12/08 10/12/08 12/12/08 18/12/08 18/12/08 05/01/09 20/01/09 26/01/09 06/03/09 16/03/09 09/04/09 09/04/09	25.1.201/GC/181 25.1.201/JH/289 25.1.201/IL307 tie INF CORR 083 25.1.201/TM/374 25.1.201/IL386 25.1.201/IL393 tie- INF CORR 158 tie- INF CORR 159 e-mail Infraco-SDS (MRH) 25.1.201/IL638 25.1.201/IL648 25.1.201/IL654 tie INF CORR 244 25.1.201/IL748 tie INF CORR 281 tie INF CORR 387 25.1.201/MRH/973 25.1.201/MRH/1040 tie INF CORR 451 25.1.201/MRH/1114 tie INF CORR 508 25.1.201/MRH/1209 tie INF CORR 489 25.1.201/IL1232 tie INF CORR 606 25.1.201/MRH/1397 tie INF CORR 869 25.1.201/MRH/1940 tie INF CORR 1019/MP tie INF CORR 1210/MP	1	1	1	1	I	1	3	0	60,439	0	0	60,439	0	4,472	10,577	75,488	64,912	10,577	N/A	5A	64,912
52	3	7	TNC003 : Utilities diversions & associated works deemed more suitable for inclusion with Infraco works rather than MUDFA works. Issued with drawings & schedule. Section 5b.	06/06/2008	11/07/08 23/07/08 28/07/08 20/08/08 21/08/08 09/09/08 17/09/08 08/10/08 16/10/08 27/10/08 30/10/08 17/11/08 20/11/08 20/11/08 28/11/08 03/12/08 10/12/08 12/12/08 18/12/08 18/12/08 05/01/09 20/01/09 26/01/09 06/03/09 16/03/09 09/04/09 16/04/09 11/09/09 16/09/09 23/10/09	tie-PRO.CORR.48 SDS-ULE90130-01-LET-00721 25.1.201/JH/289 25.1.201/IL308 25.1.201/IL386 25.1.201/IL393 25.1.201/JH/469 tie INF CORR 158 e-mail Infraco-SDS (MRH) tie INF CORR 244 tie INF CORR 275 25.1.201/IL811 tie INF CORR 387 25.1.201/MRH/973 tie INF CORR 416 25.1.201/MRH/1041 tie INF CORR 453 25.1.201/MRH/1115 tie INF CORR 508 25.1.201/MRH/1209 tie INF CORR 490 25/1201/IL1231 tie INF CORR 607 25.1.201/MRH/1392 tie INF CORR 870 25.1.201/MRH/1939 tie INF CORR 1210/MP 25.1.201/MRH/2303 tie INF CORR 2346/SC 25.1.201/MRH/3520 tie INF CORR 1985/RB	1	1	1	1	I	1	3	0	70,478	0	0	70,478	0	5,215	12,334	88,027	75,694	12,334	N/A	5B	75,694



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

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Change Order issued

Ref	Refs. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Location			
														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
53	4	3	TNC004 : Utilities diversions & associated works deemed more suitable for inclusion with Infraco works rather than MUDFA works. Issued with drawings & schedule. Section 5c.	06/06/2008	07/07/08 23/07/08 28/07/08 05/08/08 20/08/08 21/08/08 22/08/08 08/08/08 09/09/08 16/09/08 17/09/08 02/10/08 08/10/08 10/10/08 16/10/08 31/10/08 17/11/08 20/11/08 28/11/08 12/12/08 12/12/08 16/12/08 18/12/08 18/12/08 07/01/09 07/01/09 20/01/09 21/01/09 20/01/09 26/01/09	tie-PRO CORR-48 SDS-ULE90130-01-LET-00722 25.1.201/JH/289 25.1.201/JH/309 tie-INF CORR 068 25.1.201/JH/386 25.1.201/JH/393 25.1.201/JH/400 Reservation Form Lochside House 21.1.201/JH/469 tie-INF CORR 141 tie INF CORR 158 Email BB-T cost of BT diversion e-mail Infraco-SDS (MRH) tie INF CORR 211 tie INF CORR 244 25.1.201/JH/821 tie INF CORR 387 25.1.201/MRH/973 25.1.201/MRH/1042 tie INF CORR 492 tie INF CORR 508 25.1.201/MRH/1177 tie INF CORR 537 25.1.201/MRH/1209 25.1.201/MRH/1247 tie INF CORR 550 25.1.201/JH/1314 25.1.201/JH/1315 tie INF CORR 617 tie INF CORR 588 25.1.201/MRH/1390	1	1	1	1	I	1	3	0	31,399	0	0	31,399	0	2,324	5,495	39,218	33,723	5,495	N/A	5C	33,724		
53a			TNC004 : Water Main diversion only	31/10/2008	26/06/09	25.1.201/JH/821 25.201/JH/2928	1		1		I	1	3	0	94,031	0	0	94,031	9,068	6,958	16,456	126,513	0	126,513		5C	0		
54	7		TNC007 : St Andrew Square Public Realm Works as CEC specification [Draft]. Site forming extended area over Infraco contract. Issued with drawings & Specification Volume 2 Part 7.	24/06/2008	15/07/08 28/07/08 31/07/08 05/08/08 01/09/08 22/09/08 25/09/08 30/10/08 17/12/08 18/12/08 07/01/09 17/04/09	tie- INF CORR 009 BB/ie- Email Estimate Inclusions 25.1.201/JH/310 25.1.201/JH/355 tie-INF CORR 071 tie-INF CORR 130 Quote - Stonepave Email Siemens/BB Re Programme E-mails tie-BBSC-tie tie INF CORR 540 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 1269/PD	1	1	1		D	1	3	420,000	8,860,391	0	0	9,280,391	0	654,047	1,473,232	11,407,670	4,170,130	7,237,539	N/A	1C	0		
55			Delay and Disruption due to late approval by CEC of SDS27980 -3G Roads, Street Lighting, Landscaping as SDS Letter 00256 dated 8th July 2008 and in accordance with Schedule Part 4 paragraph 3.4.1.3	29/07/2008		25.1.201/JH/319			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	3	0		
56			Delay and Disruption by CEC due to late registering Section 1A Batch 1/08 (Foot of the walk tramstop and associated line of route) as SDS Letter 00721 dated 11th July 2008 and in accordance with Schedule Part 4 paragraph 3.4.1.3	29/07/2008	11/07/08 02/09/08	SDS-ULE90130-01-LET-00721 25.1.201/JH/319 SDS-ULE90130-01-LET-00783			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0		
57			Delay and Disruption due to late approval by CEC of Section 1D as SDS Letter 00722 dated 7th July 2008 and in accordance with Schedule Part 4 paragraph 3.4.1.3	29/07/2008		25.1.201/JH/319			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0		
58			Delay and Disruption due to notification from CEC with respect to road safety Auditors comments for Haymarket Area of Section 1D as SDS Letter 00733 dated 11th July 2008 and in accordance with Schedule Part 4 paragraph 3.4.1.3	29/07/2008		25.1.201/JH/319			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0		
59	5	5	Notified Departure in accordance with 3.4.37 and 3.5 Schedule Part 4 due to the Asbestos Survey carried out by tie and the presence of Asbestos in Pits 75,77,92,103,130 & 150 causing delay and disruption to the Infraco's intended programme and method of work	31/07/2008	11/09/08 21/10/08 27/10/08 28/10/08 30/10/08 06/11/08	25.1.201/JH/337 Email BB/ie - Hunter Demolition Quote E-mail BBSC-tie tie INF CORR 274 25.1.201/JH/781 tie INF CORR 305 tie INF CORR 333	1	1	1	1	M	1	4	0	22,200	0	0	22,200	2,220	1,643	3,885	29,948	26,048	3,900	N/A	2A,5	26,048		
60			Diversion of Existing Sewer at Gogarburn Bridge due to conflict with the existing 300mm dia combined sewer with the Gogarburn Bridge concrete piling potentially causing delay and disruption to the Infraco's intended sequence.	24/07/2008	06/08/08 08/08/08 25/08/08 09/09/08 16/09/08 19/09/08 26/09/08 24/09/08 30/09/08 02/10/08 10/10/08 31/10/08 05/11/08 18/12/08 07/01/09 24/08/09	tie-INF CORR 063 SDS-ULE90130-07-LET-00360 25.1.201/GC/363 tie-INF CORR 118 25.1.201/JH/471 tie-INF CORR 162 25.1.5201/IO/510 25.1.201/JH/542 tie INF CORR 182 tie INF CORR 194 25.1.201/JH/582 tie INF CORR 217 25.1.201/JH/815 e-mail BBSC - tie (and others) tie INF CORR 537 25.1.201/MRH/1247 E-mail tie-BBSC	1		1		M	1	4	8,553	30,122	0	0	38,675	3,124	2,862	5,271	49,932	34,130	15,802	N/A	7	0		
61			Infraco to investigate proposals for the re-use of the RBS Bundled Material within the final design.	08/08/2008	01/08/08 25/08/08 16/09/08 22/09/08 25/09/08 01/10/08 25/11/08 18/12/08 18/12/08 07/01/09 22/06/09 26/06/09 04/09/09 05/10/09 21/01/10	SDS-ULE90130-07-LET-00359 25.1.201/GC/366 tie-INF CORR 119 tie-INF CORR 140 SDS-ULE90130-SW-LET-01204 25.1.201/IO/529 tie INF CORR 197 25.1.201/GC/1011 tie INF CORR 503 tie INF CORR 537 25.1.201/MRH/1247 25.1.201/JH/2897 25.1.201/ID/2257 tie INF CORR 2259/MP 25.1.201/ID/3698 tie INF CORR 3235/MP	1		1		M	1	4	1,994	77,653	0	0	79,647	199	5,894	13,938	99,679	55,981	43,698	N/A	7	0		
62			Draw down from Defined Provisional Sum Item 2 - Scottish Power connections to the Depot and Ingliston Park & Ride and Item 11 - Scottish Power connections to Phase 1a substations, in Schedule Part 4 Appendix B Table 1	08/08/2008	11/08/08 02/10/08 28/11/08 18/12/08 07/01/09 06/01/09 29/01/09	tie INF CORR 094 ETN(BSC)TIESABC=050009 tie INF CORR 203 ETN(BSC)TIESCC&ABC-050235 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 556 tie INF CORR 644			N/A		D			0	0	0	0	0	0	0	0	0	0	0	DPS	2 11	7	0	
63			Tensioning of Overhead Contact System: tensioning method, comprising an Auto Tensioned Trolley Wire for the street running areas and Auto Tensioned Catenary System for Haymarket (exclusive) to the Airport.	15/08/2008	22/08/08 02/10/08	ETN(BSC)TIESCC&ABC-050012 tie-INF CORR 106 tie INF CORR 202	1		0			1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
64	9		TNC009 : Ocean Terminal Revised Finishes	29/07/2008	21/08/08 10/10/08 23/10/08 06/11/08 19/11/08 02/12/08 18/12/08 18/12/08 07/01/09 09/04/09 06/05/09	tie- INF CORR 027 25.1.201/JH/391 tie INF CORR 223 25.1.201/JH/759 tie INF CORR 337 25.1.201/JH/970 tie INF CORR 443 tie INF CORR 537 25.1.201/JH/1211 25.1.201/MRH/1247 tie INF CORR 1211/MP 25.1.201/JH/2474	1	1	1		I	4	1,2,3	0	3,879	0	0	3,879	0	287	0	4,166	0	4,166	DPS	13	1A	0	



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Ref	tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section	Change Order Value		
														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
70			Bankhead Retaining Walls - Failure by MUDFA to complete works	22/08/2008	18/09/08 22/10/08 28/10/08 05/11/08 26/11/08 02/12/08 04/12/08 12/12/08 16/12/08 20/01/09 29/01/09 05/02/09 05/02/09 06/03/09 12/03/09 02/04/09 01/08/09	25.1.201/GC/408 IE- INF CORR 165 25.1.201/IL/752 tie INF CORR 284 25.1.201/MRH/839 tie INF CORR 435 25.1.201/MRH/1075 25.1.201/MRH/1084 tie INF CORR 495 25.1.201/MRH/1176 tie INF CORR 610 tie INF CORR 652 25.1.201/MRH/1489 25.1.201/MRH/1490 tie INF CORR 886 25.1.201/MRH/1914 tie INF CORR 1168 tie INF CORR 1880/TC	1		N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5	0	
71			FoW to Balfour Street IFC Drawings (As 68)	22/08/2008	19/09/08 17/11/08 16/12/08	25.1.201/GC/409 tie- INF CORR 168.1 25.1.201/JH/947 25.1.201/JH/1181			N/A		M			0	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0	
72			Haymarket to Roseburn Junction - SW Consent Issue (as 68)	22/08/2008	19/09/08 17/11/08 16/12/08	25.1.201/GC/410 tie- INF CORR 168.1 25.1.201/JH/947 25.1.201/JH/1181			N/A		M			0	0	0	0	0	0	0	0	0	0	0	0	N/A	2A	0	
73			Russell road Retaining Wall - Contamination Knotweed	22/08/2008	17/09/08 24/11/08 06/03/09 10/11/09 17/11/09 08/02/10	25.1.201/GC/411 tie INF CORR 166 25.1.201/GC/998 tie INF CORR 890 25.1.201/GC/979 25.1.201/MRH/4029 tie INF CORR 3387/DC			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0	
74		63	Sewer Diversion, Gogar Landfill	05/08/2008	25/08/08 17/09/08 25/09/08 01/10/08 01/10/08 28/10/08 18/12/08 07/01/09 26/02/09 05/05/09 08/05/09 08/06/09	tie- INF CORR 075 25.1.201/GC/415 tie- INF CORR 160 25.1.201/IO/530 Email T- BB - Estimate Comments tie INF CORR 196 25.1.201/JH/786 tie INF CORR 537 25.1.201/MRH/1247 25.1.201/JH/1741 25.1.201/GC/2529 tie INF CORR 1426/AS tie INF CORR 1598/MP	1		1	1	M	1	4	0	1,335	0	0	1,335	0	99	0	1,434	1,434	0	0	N/A	7	1,434	
74a			Sewer Diversion, Gogar Landfill	05/08/2008	25/08/08	tie- INF CORR 076			0		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0	
75		27	Temporary Access Ramp from Depot	05/08/2008	25/08/08 17/09/08 13/10/08 15/10/08 20/10/08 31/10/08 29/10/08 18/12/08 07/01/09 27/03/09 02/04/09	25.1.201/GC/416 tie INF CORR 161 25.1.201/MRH/665 tie INF CORR 234 25.1.201/MRH/723 25.1.201/IL/812 tie INF CORR 295 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 1129 tie INF CORR 1165	1		1	1	M	1	4	0	12,222	0	0	12,222	1,222	904	2,139	16,487	14,189	2,298	0	N/A	6	14,189	
76		15 131	Gogar Depot Public Tramstop proposals Guide to Railway Improvement Projects (GRIP) options 4B & 4C2.	08/08/2008	01/08/08 20/08/08 19/09/08 19/09/08 03/10/08 18/12/08 07/01/09 23/01/09 29/01/09 30/01/09 12/03/09 08/04/09 19/05/09 12/06/09 16/06/09 05/08/09 09/10/09 04/11/09 11/11/09 17/11/09 24/11/09 04/12/09 18/01/10	25.1.201/JH/338 tie INF CORR 096 25.1.201/GC/385 SDS-ULE90130-06-LET-00106 SDS-ULE90130-06-LET-00107 25.1.201/IL/427 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 622 25.1.201/JH/1440 25.1.201/JH/1442 SDS-ULE90130-SW-LET-01448 SDS-ULE90130-05-LET-00382 25.1.201/JH/2971 tie INF CORR 1559/DS 25.1.201/JH/2865 ETN(REL)TIE=PASTE&ABC#053593 tie INF CORR 2599/DS tie INF CORR 2757/DS ETN(REL)TIE=SCC&ABC#053799 SDS-ULE90130-SW-LET-01794 25.1.201/BOC/4092 tie INF CORR 2972/DS ETN(BSC)TIE=SCC&ABC#053894	1	1	1	1	I	4	1,2 & 3	341,318	0	326,723	0	668,041	34,132	25,258	0	727,430	50,000	677,430	0	0	N/A	6	50,000
77		112	DESIGN ONLY to Amend line of route design section 5C (Batch 5/22) Prior approval application Ref 08/02211/PA as tie letter INF CORR 055 dated 25th July 21006.	29/08/2008	25/07/08 18/08/08 18/09/08 03/10/08 10/10/08 16/10/08 29/10/08 18/12/08 07/01/09 16/01/09 03/02/09 29/04/09 15/05/09 04/08/09 04/09/09 22/09/09 13/11/09	tie- INF CORR 055 SDS-ULE90130-05-LET-00317 25.1.201/JH/430 tie- INF CORR 155 25.1.201/MRH/613 tie INF CORR 224 25.1.201/MRH/691 tie INF CORR 291 tie INF CORR 537 25.1.201/MRH/1247 25.1.201/IL/1174 SDS-ULE90130-SW-LET-01367 tie INF CORR 1350/DC 25.1.201/JH/2635 25.1.201/IL/3211 tie INF CORR 2293/DC 25.1.201/IL/3551 tie INF CORR 2847/DC	1		1	1	M	4	4	2,582	1,837	0	0	4,419	258	370	322	5,369	5,369	0	0	N/A	5C	5,369	



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
78			Design Only for Alterations to design of Edinburgh Airport Tramstop and retaining wall design at Jubilee Road as tie letter INF_CORR 072 dated 5th August 2008	02/09/2008	13/06/08 19/06/08 14/07/08 01/08/08 05/08/08 20/08/08 28/08/08 22/09/08 25/09/08 02/10/08 09/10/08 14/10/08 23/09/08 23/10/08 27/10/08 30/10/08 06/11/08 14/11/08 21/11/08 01/12/08 10/12/08 09/01/09 12/01/09 15/01/09 29/01/09 05/02/09 05/02/09 09/02/09 20/02/09 19/03/09 09/04/09	SDS-ULE90130-07-LET-00337 SDS-ULE90130-07-LET-00344 25.1.201/JH/261 25.1.201/SR/321 tie-INF CORR_072 SDS-ULE90130-07-LET-00363 tie-INF CORR_122 25.1.201/JH/444 25.1.201/JH/518 tie INF CORR 184 25.1.201/JH/567 SDS-ULE90130-SW-LET-01228 25.1.201/MRH/675 tie INF CORR 388 SDS-ULE90130-SW-LET-01248 25.1.201/MRH/773 tie INF CORR 264 25.1.201/MRH/864 tie INF CORR 388 25.1.201/MRH/993 SDS-ULE90130-SW-LET-01305 SDS-ULE90130-SW-LET-01312 25.1.201/BOC/1265 tie INF CORR 468 25.1.201/MRH/1291 tie INF CORR 656 25.1.201/BOC/1481 25.1.201/BOC/1482 tie INF CORR 723 25.1.201/MRH/1700 tie INF CORR 1058 tie INF CORR 1204/MP	1	1		M	4	4	41,414	0	0	0	41,414	4,141	3,065	0	48,620	0	48,620	N/A	7	0			
79			Instruction from CEC to design an alternative layout for Haymarket Junction	03/09/2008	20/08/08 02/10/08 16/10/08 16/10/08 22/10/08 16/12/08 18/12/08 07/01/09 03/02/09 10/02/09 12/02/09 20/02/09 25/02/09 26/02/09 27/02/09 05/03/09 26/05/09 28/07/09 21/08/09 26/08/09 31/08/09 16/10/09	SDS-ULE90130-01-LET-00768 25.1.201/JH/452 25.1.201/JH/573 tie INF CORR 238 SDS-ULE90130-SW-LET-01232 25.1.201/JH/740 25.1.201/JH/1181 tie INF CORR 537 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01367 SDS-ULE90130-SW-LET-01379 25.1.201/JH/1580 tie INF CORR 778 25.1.201/BOC/1734 25.1.201/JH/1748 tie INF CORR 794 25.1.201/BOC/1799 25.1.201/BOC/2724 tie INF CORR 1858/DS tie INF CORR 2083 tie INF CORR 2128/MP 25.1.201/KDR/3400 tie INF CORR 2407/RB	1	1		M	4	4	44,436	0	0	0	44,436	4,444	3,288	0	52,168	0	52,168	N/A	1D	0			
80			Gogarburn Retaining Wall - CEC requesting change to the finish of the wall as per PB letter ULE901330-07-LET-00369 dated 3 September.	09/09/2008	03/09/08 26/09/08 02/10/08 02/10/08 29/10/08 04/11/08 10/12/08 18/12/08 07/01/09 13/01/09 20/01/09 20/01/09 12/05/09 26/05/09	SDS-ULE90130-07-LET-00369 25.1.201/JH/467 SDS-ULE90130-07-LET-00373 25.1.201/JH/590 SDS-ULE90130-SW-LET-01229 25.1.201/JH/795 tie INF CORR 195 25.1.201/GC/1125 25.1.201/JH/1198 SDS-ULE90130-SW-LET-01330 tie INF CORR 583 25.1.201/BOC/1304 25.1.201/JH/1312 tie INF CORR 1453/GMcG 25.1.201/BOC/2724	1	1		M	4	4	4,258	0	0	0	4,258	426	315	0	4,999	0	4,999	N/A	7	0			
81			Environmentally Friendly Lighting - CEC have requested using 42 watt pit lamp rather than the 70 watt CDD (white light) as per PB letter ULE90130-SW-LET-01184 dated 3 September 2008.	09/09/2008	03/09/08 22/09/08 22/09/08 30/09/08 02/10/08 22/10/08 22/10/08 30/10/08 18/12/08 07/01/09 03/02/09 12/02/09 27/02/09 05/03/09 06/03/09 18/03/09 24/03/09 27/03/09 02/04/09 07/04/09 21/07/09 24/07/09 28/07/09	SDS-ULE90130-SW-LET-01184 Change Notification tie INF CORR 173 25.1.201/JH/468 SDS ULE90130-05-LET-00332 25.1.201/JH/581 25.1.201/JH/739 SDS-ULE90130-05-LET-00341 25.1.201/JH/810 tie INF CORR 537 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01367 25.1.201/JH/1562 tie INF CORR 794 25.1.201/BOC/1799 tie INF CORR 846 tie INF CORR 1046 25.1.201/JH/2065 25.1.201/JH/2120 SDS-ULE90130-SW-LET-01495 25.1.201/JH/2200 tie INF CORR 1813/DS 25.1.201/BOC/3132 tie INF CORR 1858/DS	1	1		M	1	4	9,378	0	0	0	9,378	938	694	0	11,010	0	11,010	N/A	All	0			
82			Contamination by tipping. Oil pollution. Contaminated material. Household waste. Giant Hogweed.	28/08/2008	02/07/08 19/09/08 17/11/09	25.1.201/TM/208 25.1.201/TM/424 tie-INF CORR_168 25.1.201/MRH/4030			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	N/A	All	0			
83			Traffic Management - Temporary Traffic Signals	21/08/2008	30/07/08 07/08/08 09/09/08 25/09/08 06/10/08 15/10/08 06/11/08 23/07/09 01/02/10	25.201.00/PW/320 tie-INF CORR_079 25.1.201/PW/387 25.1.201/TM/472 tie INF CORR 136 tie INF CORR 151 25.1.201/PW/685 tie INF CORR 344 25.1.201/GC/3120 tie INF CORR 3266/SG			N/A		D	1	4	0	0	0	0	0	0	0	0	0	0	N/A	5A	0			



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														£ Submitted	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psum or VE	Number						
84	5	18	TNC005-Burnside road Diversion - Fees for design (INF_CORR.006)	20/06/2008	23/06/08 10/07/08 16/07/08 30/07/08 14/08/08 26/08/08 26/08/08 10/09/08 02/10/08 09/10/08 16/10/08 29/10/08 18/11/08 21/11/08 12/12/08 18/12/08 05/01/09 07/01/09 29/01/09 03/02/09 03/06/09	tie-INF CORR.006 25.1.201/TM/176 SDS-ULE90130-07-LET-00352 25.1.201/JH/269 tie-INF CORR.062 25.1.201/TM/376 25.1.201/JH/419 SDS-ULE90130-05-LET-00323 25.1.201/JH/477 25.1.201/JH/569 SDS-ULE90130-SW-LET-01221 tie INF CORR 230 25.1.201/JH/799 SDS-ULE90130-07-LET-00380 25.1.201/JH/989 tie INF CORR 514 tie INF CORR 537 25.1.201/BOC/1240 25.1.201/MRH/1247 tie INF CORR 645 tie INF CORR 670 SDS-ULE90130-07-LET-00396	1	1	1	1	M	4	4	380	340	0	0	720	0	0	0	720	720	0	N/A	7	720	
85	8	125	TNC008 - Lindsay Road Retaining Wall Cost Estimate (Now based on IFC Drawings as agreed with tie)	02/07/2008	30/07/08 16/01/08 17/11/08 20/11/08 12/12/08 18/12/08 18/12/08 07/01/09 03/03/09 09/04/09 16/04/09 29/04/09 05/05/09 17/07/09 03/08/09 05/08/09 07/08/09 12/08/09 11/09/09 30/09/09 15/01/10 29/01/10	tie-INF CORR 021 BB/ie - Email updated position tie INF CORR 244 tie INF CORR 387 25.1.201/MRH/973 tie INF CORR 508 tie INF CORR 537 25.1.201/MRH/1209 25.1.201/MRH/1247 25.1.201/IO/1783 tie INF CORR 1210/MP 25.1.201/MRH/2303 tie INF CORR 1348/MP 25.1.201/MRH/2523 25.1.201/IO/3085 e-mail tie-BSC 25.1.201/IO/3220 tie INF CORR 1942/SC e-mail tie-BSC tie INF CORR 2332/MB 25.1.201/SN/3647 tie INF CORR 2958/SJ 25.1.201/SK/4456	1	1	1	M	1	1,2,3,4	0	387,562	0	0	387,562	incl	28,680	67,823	484,065	484,065	-0	VPS	8	1A	484,065	
86	10		MUDFA TO INFRACO transfer of Utilities Diversion Section 1A, 1B, 1C and 1D	08/08/2008	20/08/08 20/08/08 21/08/08 17/09/08 14/10/08 16/10/08 23/10/08 27/10/08 29/10/08 17/11/08 20/11/08 20/11/08 24/11/08 27/11/08 28/11/08 12/12/08 12/12/08 16/12/08 18/12/08 18/12/08 18/12/08 05/01/09 07/01/09 20/01/09 20/01/09 26/01/09 02/04/09 09/04/09 16/04/09 27/04/09 29/04/09	tie-INF CORR 091 25.1.201/GC/384 25.1.201/IL/387 25.1.201/IL/393 tie INF CORR 157 Email - Conflict Services tie INF CORR 244 25.1.201/IL/764 tie INF CORR 273 25.1.201/MRH/796 tie INF CORR 387 25.1.201/MRH/973 tie INF CORR 407 tie INF CORR 408 25.1.201/MRH/1020 25.1.201/MRH/1039 tie INF CORR 521 tie INF CORR 508 25.1.201/MRH/1183 tie INF CORR 537 25.1.201/MRH/1209 tie INF CORR 488 25.1.201/MRH/1229 25.1.201/MRH/1247 tie INF CORR 598 tie INF CORR 617 25.1.201/MRH/1389 tie INF CORR 1163 tie INF CORR 1210/MP 25.1.201/MRH/2303 tie INF CORR 1308/GCN tie INF CORR 1332/RB	1	1	0	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1A,1B,1C,1D	0	
87	11	4 13	Duct Installation at Leith Walk	11/07/2008	22/06/08 14/07/08 31/07/08 21/08/08 10/09/08 17/09/08 23/09/08 23/09/08 22/09/08 06/10/08 08/10/08 16/10/08 27/10/08 13/11/08 18/11/08 02/12/08 05/01/09 22/01/09	tie-INF CORR 030 email BB/BB re INF CORR 030 25.1.201/JH/328 25.1.201/IL/393 25.1.201/IL/475 tie INF CORR 158 25.1.201/IL/520+Core Estimate 25.1.201/IL/520 tie INF CORR 175 tie INF CORR 206 e-mail Infraco-SDS (MRH) tie INF CORR 240 tie INF CORR 276 tie INF CORR 383 25.1.201/MRH/954 tie INF CORR 441 25.1.201/IL/4237 tie INF CORR 630	1	1	1	2	I	1	4	0	255	0	0	255	26	19	0	299	300	-1	N/A	1B	300	
88	14	100	Power Connections Phase 1a	08/08/2008	25/09/08 16/10/08 28/11/08 09/12/08 18/12/08 06/01/09 07/01/09 09/01/09 22/01/09 28/01/09 29/01/09 10/03/09 16/03/09 30/03/09 13/07/09 21/08/09 ? 04/09/09 09/09/09 16/11/09	tie-INF CORR 084 ETN(BSC)TIE&ABC#050055 tie INF CORR 244 ETN(BSC)TIE&ABC#050235 ETN(BSC)TIE&ABC#050253 tie INF CORR 537 tie INF CORR 556 25.1.201/MRH/1247 ETN(BSC)TIE&ABC#050260 ETN(BSC)TIE&ABC#050357 tie INF CORR 642 tie INF CORR 644 ETN(BSC)TIE&ABC#050485 tie INF CORR 1035 tie INF CORR 1078 ETN(BSC)TIE-PAB&ABC#053448 ETN(BSC)TIE-PAB&ABC#053636 ETN(BSC)TIE-PAB&ABC#053641 tie INF CORR 2246/RB tie INF CORR 2304/RB ETN(REL)TIE-PASTE&ABC#053809	1	1	1	1	M	1	4	0	0	1,808,096	0	1,808,096	0	0	0	1,808,096	1,637,514	170,582	DPS	11	All	1,637,514
88a			Power Supply Ducts - Section 6	19/01/2010	25.1.201/ID/4435			1			M	1	1,2,3	0	10,646	0	0	10,646	incl	788	1,863	13,297	0	13,297	DPS	11	6	0
88b			Power Supply Ducts - Ingliston Park and Ride Tram Substation	19/01/2010	25.1.201/ID/4433			1			M	1	1,2,3	0	2,466	0	0	2,466	incl	182	432	3,080	0	3,080	DPS	11	7	0



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
89			Balfour Street Crossing	30/10/08	01/08/08 08/08/08 22/08/08 24/11/08 26/11/08 12/12/08 23/02/09 26/03/09 13/04/09 20/04/09 26/05/09	SDS-ULE90130-01-LET-00748 25.1.201/GO/364 tie INF CORR 104 25.1.201/JH/804 tie INF CORR 412 25.1.201/MRH/1019 25.1.201/JH/1139 SDS-ULE90130-01-LET-00932 25.1.201/JH/2092 tie INF CORR 1194/DS 25.1.201/JH/2334 25.1.201/BOC/2724	1	1		M	1	1,2,3	7,872	0	0	0	7,872	787	583	0	9,242	0	9,242	N/A	1B	0			
90			Change order request: SDS Development Workshop Attendance	31/07/2008	30/04/08 23/07/08 21/08/08 26/09/08 16/12/08 18/12/08 07/01/09 23/02/09 12/03/09	PD CORR 0655/345 ULE90130-SW-LET-01085 25.1.201/JH/329 tie-INF CORR 102 25.1.201/JH/541 25.1.201/JH/1181 tie INF CORR 237 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01404 25.1.201/BOC/1909		N/A			1		0	0	0	0	0	0	0	0	0	0	0	N/A	All	0			
91		98	Confirmation of Verbal Instruction Reference ETN002 - Compensation Event Notice Edinburgh Park Structure (S21) Earthworks/Foundations.	10/09/2008	02/10/08 03/10/08 23/10/08 30/10/08 06/11/08 12/01/09 06/03/09 04/09/09 08/09/09 09/10/09 20/10/09	25.1.201/MRH/479 25.1.201/JH/580 tie INF CORR 204 25.1.201/IO/756 tie INF CORR 306 25.1.201/IO/868 25.1.201/IO/1272 tie INF CORR 899 tie INF CORR 226/ICB 25.1.201/CF/3451 tie INF CORR 2596/FD 25.1.201/MRH/3844	1	1	1	I	1	1,2,3	0	41,945	0	0	41,945	incl	3,104	7,340	52,389	52,389	-0	N/A	5B	52,389			
92			Design the Russell Road retaining wall to ensure that this avoids clashing with the existing sewer as per tie letter INF_CORR_051 dated 23/07/08.	11/09/2008	23/07/08 28/07/08 02/09/08 29/09/08 02/10/08 09/10/08 15/10/08 22/10/08 29/10/08 05/11/08 13/11/08 20/11/08 20/11/08 12/12/08 17/12/08 26/03/09 27/04/09 22/06/09 02/09/09	INF CORR 051 25.1.201/JH/313 SDS-ULE90130-05-LET-00324 25.1.201/JH/487 SDS-ULE90130-SW-LET-0330 25.1.201/JH/574 SDS-ULE90130-SW-LET-01230 tie INF CORR 235 25.1.201/JH/737 tie INF CORR 280 25.1.201/JH/840 tie INF CORR 355 25.1.201/BOC/979 25.1.201/BOC/976 tie INF CORR 520 25.1.201/JH/1198 SDS-ULE90130-SW-LET-01480 25.1.201/JH/2420 25.1.201/JH/2901 SDS-ULE90130-SW-LET-01699		1		M			0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0			
93			Lindsay Road, Ocean Drive, Ocean Terminal & Tower Place Planning Permission	24/09/2008	20/10/08 24/10/08 12/11/08 16/12/08 18/12/08 07/01/09	tie INF CORR 248 25.1.201/JH/766 25.1.201/GD/893 25.1.201/JH/1181 tie INF CORR 537 25.1.201/MRH/1247		1		M	1	4	40,137	440	0	0	40,577	4,058	3,003	0	47,637	0	47,637	N/A	1A	0			
94			Hilton Hotel Full Planning	14/07/2008	17/06/08 28/08/08 09/09/08 22/09/08 12/11/08 16/12/08 20/02/09 17/03/09 28/08/09	PB-ULE90130-07-LET-00339 25.1.201/JH/256 tie-INF CORR 124 PB-ULE90130-07-LET-00370 25.1.201/JH/514 25.1.201/GD/893 25.1.201/JH/1181 tie INF CORR 775 25.1.201/BOC/1953 tie INF CORR 2215/FD		1		D	1	4	9,349	0	0	0	9,349	935	692	0	10,976	0	10,976	N/A	7	0			
95			Additional Depot Prior Approvals	14/07/2008	17/06/08 05/08/08 22/08/08 09/09/08 10/10/08 12/11/08 16/12/08 26/08/09 09/09/09	SDS-ULE90130-06-LET-00073 25.1.201/JH/259 tie-INF CORR 069 25.1.201/JH/399 PB-ULE90130-06-LET-00105 25.1.201/MRH/869 25.1.201/GD/893 25.1.201/JH/1181 SDS-ULE90130-SW-LET-01686 25.1.201/BOC/3420		N/A		D	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	6	0			
96			Shandwick Place DED preferential Treatments	24/07/2008	02/09/08 11/09/08 02/10/08 16/10/08 15/10/08 20/10/08 21/10/08 30/10/08 13/11/08 08/12/08 03/02/09 12/02/09 27/02/09 05/03/09 14/04/09 16/04/09 20/04/09 26/05/09 25/06/09 14/07/09 28/07/09 31/07/09 31/07/09 04/08/09 06/08/09 21/08/09 31/08/09 02/09/09 17/09/09 05/10/09 16/10/09	tie-INF CORR 054 SDS-ULE90130-01-LET-00784 25.1.201/JH/489 25.1.201/JH/566 SDS-ULE90130-SW-LET-01242 tie INF CORR 236 25.1.201/MRH/722 25.1.201/JH/732 tie INF CORR 298 25.1.201/JH/873 SDS-ULE90130-SW-LET-01314 SDS-ULE-SW-LET-01367 25.1.201/JH/1571 tie INF CORR 794 25.1.201/BOC/1799 tie INF CORR 1042 25.1.201/BOC/2315 25.1.201/JH/2332 25.1.201/BOC/2724 ETN(BSC)SDS&CC&ABC#053499 ETN(BSC)SDS&CC&ABC#053554 tie INF CORR 1858/DS tie INF CORR 1879/DC tie INF CORR 1897/McF 25.1.201/JL/3209 25.1.201/KDR/3239 tie INF CORR 2083 25.1.201/KDR/3400 tie INF CORR 2239/CB 25.1.201/L/3528 25.1.201/L/3687 tie INF CORR 2407/RB	1	1		M	4	4	61,625	210,461	0	0	272,086	6,163	20,134	36,831	335,214	56,454	278,760	N/A	1D	0			



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Withdrawn/Superseded/no cost
Delay Only
Change Order issued

Ref	Refs. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section See Notes	Change Order Value
														£ Submitted	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psum or VE	Number				
97			Balgreen road Bridge Amending Technical Design	14/07/2008	19/06/08 23/07/08 25/07/08 29/08/08 22/09/08 02/10/08 06/10/08 09/10/08 15/10/08 20/10/08 30/10/08 13/11/08 24/11/08 26/11/08 18/12/08 07/01/09 03/02/09 12/02/09 18/02/09 27/02/09 05/03/09 06/03/09 17/03/09 18/03/09 19/03/09 19/03/09 25/03/09 27/03/09 06/04/09 08/05/09 18/05/09	SDS-ULE90130-05-LET-00279 25.1.201/JH/258 ULE90130-05-LET-00300 tie-INF CORR 056 25.1.201/JH/432 SDS-ULE90130-05-LET-00329 25.1.201/JH/568 25.1.201/MRH/821 SDS-L90130-SW-LET-01226 tie INF CORR 228 25.1.201/MRH/721 25.1.201/JH/807 25.1.201/JH/873 tie INF CORR 417 25.1.201/MRH/1018 tie INF CORR 537 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01367 25.1.201/JH/1574 SDS-ULE90130-SW-LET-01396 tie INF CORR 794 25.1.201/BOC/1799 tie INF CORR 849 SDS-ULE90130-SW-LET-01460 tie INF CORR 1045 25.1.201/JH/2010 25.1.201/JH/2016 SDS-ULE90130-SW-LET-01476 25.1.201/JH/2116 25.1.201/JH/2178 tie INF CORR 1410/DS 25.1.201/JH/2648	1	1		D	1	4	2,465	0	0	0	2,465	247	182	0	2,894	0	2,894	N/A	5A	0	
98			Notified Departure due to the issue of SDS Design programme V32.	11/09/2008	30/09/08 15/10/08 13/11/08 08/07/09 23/10/09 01/02/10	25.1.201/GC/486 tie INF CORR 190 25.1.201/MRH/695 tie INF CORR 351 25.1.201/BOC/3021 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0
99			Notified Departure due to the issue of SDS Design programme V33.	11/09/2008	30/09/08 15/10/08 13/11/08 08/07/09 23/10/09 01/02/10	25.1.201/GC/486 tie INF CORR 190 25.1.201/MRH/695 tie INF CORR 351 25.1.201/BOC/3021 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0
100			Notified Departure due to the issue of SDS Design programme V34.	11/09/2008	30/09/08 15/10/08 13/11/08 08/07/09 23/10/09 01/02/10	25.1.201/GC/486 tie INF CORR 190 25.1.201/MRH/695 tie INF CORR 351 25.1.201/BOC/3021 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0
101			Notified Departure due to the issue of SDS Design programme V35.	11/09/2008	30/09/08 15/10/08 13/11/08 08/07/09 23/10/09 01/02/10	25.1.201/GC/486 tie INF CORR 190 25.1.201/MRH/695 tie INF CORR 351 25.1.201/BOC/3021 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0
102			Section 5C - Gogar Church and Gogar Castle		26/06/08 03/07/08 21/08/08 25/07/08 27/08/2008	RF1 0046 25.1.201/TM/180 tie INF CORR 023 tie INF CORR 101 25.1.201/TM/297 25.1.201/TM/441 CVI Ref: 5C/0001 tie INF CORR 163		0			D	1	1,2,3,4	0	0	0	0	0	0	0	0	0	0	0	N/A	5C	0
103			IFC Drawing Changes - A8 Underpass	03/06/2009	25/06/09 06/07/09 07/09/09 07/09/09 25/09/09 01/10/09 14/01/10 22/01/10	25.1.201/MRH/2788 tie INF CORR 1707/AS 25.1.201/L/2997 25.1.201/BOC/3445 25.1.201/BOC/3447 tie INF CORR 2476/AS tie INF CORR 2534/GMcG tie INF CORR 3137/RB 25.1.201/CBR/4472		1			D	1	1,2,3,4	0	500,236	140,011	0	640,247	incl	37,017	87,541	764,805	0	764,805	N/A	5C	0
104		119	IFC Drawing Change Baird Drive RTW	15/09/2008	23/09/08 02/10/08 23/10/08 29/10/08 30/10/08 04/11/08 04/12/08 11/12/08 04/02/09 16/03/09 02/04/09 07/05/09 27/05/09 02/06/09 18/06/09 13/08/09 27/08/09 14/09/09 23/11/09 09/12/09 04/01/10 08/01/10 13/01/10 14/01/10 14/01/10 15/01/10 15/01/10 15/01/10 22/01/10 22/01/10 25/01/10	25.1.201/IO/497 tie INF CORR 179 25.1.201/JH/576 25.1.201/IO/757 25.1.201/JH/797 tie INF CORR 312 25.1.201/MRH/833 tie INF CORR 434 25.1.201/MRH/1134 25.1.201/JH/1473 tie INF CORR 867 25.1.201/MRH/2160 25.1.201/IO/2564 tie INF CORR 1518/TC tie INF CORR 1539/MP tie INF CORR 1683/TC tie INF CORR 2031/DC tie INF CORR 2131/TC 25.1.201/IO/3496 25.1.201/GA/4090 25.1.201/GA/4202 tie INF CORR 3082/TC 25.1.201/GA/4344 25.1.201/WIM/4383 tie INF CORR 3173/MP tie INF CORR 3137/RB tie INF CORR 3180 25.1.201/WIM/4419 tie INF CORR 3181 tie INF CORR 3242 25.1.201/CBR/4472 25.1.201/WIM/4479	1	1	1	M	1	1,4	0	1,235,217	3,395	0	1,238,612	incl	91,266	215,833	1,545,711	578,530	967,181	N/A	5A	0	



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Ref	tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section See Notes	Change Order Value		
														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
105		120	IFC Drawing Change Balgreen Road Retaining Wall	15/09/2008	23/09/08 02/10/08 23/10/08 29/10/08 30/10/08 04/11/08 04/12/08 11/12/08 04/02/09 16/03/09 02/04/09 16/07/09 17/07/09 13/08/09 25/09/09 28/09/09 16/10/09 20/10/09 27/10/09 17/12/09 06/01/10 13/01/10 14/01/10 15/01/10 15/01/10 15/01/10 22/01/10 25/01/10 26/01/10 27/01/10 27/01/10	25.1.201/IO/497 tie INF CORR 179 25.1.201/JH/576 25.1.201/IO/757 25.1.201/JH/797 tie INF CORR 312 25.1.201/MRH/833 tie INF CORR 434 25.1.201/MRH/1134 25.1.201/JH/1472 tie INF CORR 867 25.1.201/MRH/2160 tie INF CORR 1798/TC 25.1.201/MRH/3064 25.1.201/IO/3275 tie INF CORR 2482/GMcG 25.1.201/MRH/3610 25.1.201/JH/3811 25.1.201/MRH/3839 SDS-ULE0130-05-LET-00435 tie INF CORR 3040/TC 25.1.201/MRH/4326 25.1.201/WIM/4383 tie INF CORR 3182/MIP 25.1.201/WIM/4419 tie INF CORR 3179 tie INF CORR 3181 tie INF CORR 3241 25.1.201/WIM/4479 tie INF CORR 3281 25.1.201/KDR/4504 tie INF CORR 3257	1		1	M	1	1, 4	0	306,118	0	0	306,118	incl	22,604	53,457	382,179	230,554	151,625	N/A	5A	0			
106			IFC Drawing Change Murrayfield Stadium RTW	15/09/2008	23/09/08 23/10/08 30/10/08 04/11/08 04/12/08 11/12/08 16/03/09 02/04/09 16/07/09 17/07/09 06/08/09 10/08/09 13/08/09 20/08/09 26/08/09 22/09/09 17/12/09	25.1.201/IO/497 tie INF CORR 179 25.1.201/IO/757 tie INF CORR 312 25.1.201/MRH/833 tie INF CORR 434 25.1.201/MRH/1134 tie INF CORR 867 25.1.201/MRH/2160 tie INF CORR 1794/TC 25.1.201/MRH/3065 tie INF CORR 1995/TC 25.1.201/MRH/3252 tie INF CORR 2045/TC 25.1.201/MRH/3319 tie INF CORR 2128/TC 25.1.201/MRH/3542 tie INF CORR 3035/TC			0	M	1	1, 4	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0			
107			IFC Drawing Change Bankhead RTW	15/09/2008	23/09/08 02/10/08 23/10/08 29/10/08 30/10/08 04/11/08 04/12/08 11/12/08 04/02/09 16/03/09 02/04/09 16/07/09 17/07/09 06/08/09 10/08/09 13/08/09 20/08/09 26/08/09 23/09/09 28/09/09 16/10/09 20/10/09 27/10/09 14/01/10 22/01/10	25.1.201/IO/493 tie INF CORR 179 25.1.201/JH/576 25.1.201/IO/757 25.1.201/JH/797 tie INF CORR 312 25.1.201/MRH/833 tie INF CORR 434 25.1.201/MRH/1134 25.1.201/IO/1109 25.1.201/JH/1474 tie INF CORR 867 25.1.201/MRH/2160 tie INF CORR 1775/TC 25.1.201/MRH/3066 tie INF CORR 1994/TC 25.1.201/MRH/3252 25.1.201/IO/3274 tie INF CORR 2045/TC 25.1.201/MRH/3319 tie INF CORR 2132/TC 25.1.201/MRH/3542 25.1.201/JH/3611 25.1.201/JH/3812 25.1.201/MRH/3839 SDS-ULE0130-05-LET-00435 tie INF CORR 3137/RB 25.1.201/CBR/4472			1	M	1	4	0	575,465	0	0	575,465	incl	42,584	100,706	718,756	0	718,756	N/A	5B	0			
108			IFC Drawing Change Gyle Stop RTW	15/09/2008	23/09/08 23/10/08 30/10/08 04/11/08 04/12/08 11/12/08 16/03/09 02/04/09 16/07/09 17/07/09 06/08/09 10/08/09 13/08/09 20/08/09 26/08/09 23/09/09 23/11/09 22/01/10	25.1.201/IO/494 tie INF CORR 179 25.1.201/IO/757 tie INF CORR 312 25.1.201/MRH/833 tie INF CORR 434 25.1.201/MRH/1134 tie INF CORR 867 25.1.201/MRH/2160 tie INF CORR 1777/TC 25.1.201/MRH/3066 tie INF CORR 1993/TC 25.1.201/MRH/3252 tie INF CORR 2045/TC 25.1.201/MRH/3319 tie INF CORR 2128/TC 25.1.201/MRH/3542 25.1.201/IO/3850 tie INF CORR 3230/MIP			1	M	1	1, 4	0	185,090	0	0	185,090	incl	13,690	32,215	230,995	0	230,995	N/A	5C	0			
109			IFC Drawing Change Murrayfield Underpass	15/09/2008	23/09/08 23/10/08 30/10/08 04/11/08 04/12/08 11/12/08 16/03/09 02/04/09 16/07/09 17/07/09 06/08/09 10/08/09 13/08/09 20/08/09 26/08/09 22/09/09 30/09/09 13/11/09 23/11/09 08/02/10 10/02/10	25.1.201/IO/495 tie INF CORR 179 25.1.201/IO/757 tie INF CORR 312 25.1.201/MRH/833 tie INF CORR 434 25.1.201/MRH/1134 tie INF CORR 867 25.1.201/MRH/2160 tie INF CORR 1792/TC 25.1.201/MRH/3070 tie INF CORR 1992/TC 25.1.201/MRH/3252 tie INF CORR 2045/TC 25.1.201/MRH/3319 tie INF CORR 2128/TC 25.1.201/MRH/3542 25.1.201/IO/3651 tie INF CORR 2850/SJ 25.1.201/MRH/4080 tie INF CORR 4007/SJ 25.1.201/WIM/---			1	M	1	1, 4	0	107,525	0	0	107,525	incl	7,957	18,817	134,299	0	134,299	N/A	5C	0			



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Ref	tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section See Notes	Change Order Value
														£ Submitted	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psum or VE	Number					
115		95	IFC Drawing Change Carricknowe Bridge	19/09/2008	02/07/08 15/10/08 16/10/08 30/10/08 04/11/08 04/12/08 11/12/08 02/03/09 11/03/09 16/03/09 31/03/09 02/04/09 09/04/09 09/04/09 07/05/09 12/05/09 02/06/09 05/06/09 11/08/09 13/08/09 14/08/09 14/08/09 14/08/09 25/08/09 27/08/09 02/09/09 03/09/09 03/09/09 04/09/09 18/09/09 24/09/09	25.1.201/IO/507 tie INF CORR 193 25.1.201/MRH/679 25.1.201/MRH/705 tie INF CORR 313 25.1.201/MRH/834 tie INF CORR 434 25.1.201/MRH/1134 25.1.201/IO/1770 tie INF CORR 938 tie INF CORR 867 25.1.201/CHB/2140 25.1.201/MRH/2160 tie INF CORR 1222/GMCG tie INF CORR 1022/GM 25.1.201/IO/2565 25.1.201/KDR/2605 tie INF CORR 1583/GMcG tie INF CORR 1608 tie INF CORR 1943/FMcF e-mail tie-BSC 25.1.201/KDR/3287 tie INF CORR 2047 tie INF CORR 2051 tie INF CORR 2080/DM tie INF CORR 2153 tie INF CORR 2236 tie INF CORR 2254 25.1.201/KDR/3422 tie INF CORR 2283/SC tie INF CORR 2395/SC 25.1.201/IO/3578	1	1	1	M	1	1.4	0	129,794	3,395	0	133,189	0	9,605	22,714	165,508	14,226	151,281	N/A	5B	0	
116			IFC Drawings Water of Leith Bridge	19/09/2008	30/09/08 15/10/08 16/10/08 30/10/08 04/11/08 04/12/08 11/12/08 16/03/09 02/04/09 16/07/09 17/07/09 06/08/09 10/08/09 13/08/09 20/08/09 26/08/09 22/09/09 09/11/09 04/12/09 09/12/09 21/01/10	25.1.201/IO/508 tie INF CORR 193 25.1.201/MRH/679 25.1.201/MRH/705 tie INF CORR 313 25.1.201/MRH/834 tie INF CORR 434 25.1.201/MRH/1134 tie INF CORR 867 25.1.201/MRH/2160 tie INF CORR 1791/TC 25.1.201/MRH/3074 tie INF CORR 1989/TC 25.1.201/MRH/3252 tie INF CORR 2045/TC 25.1.201/MRH/3319 tie INF CORR 2128/TC 25.1.201/MRH/3542 25.1.201/MRH/3976 25.1.201/IO/4020 25.1.201/IO/4209 tie INF CORR 3236/MP	1	1		M	1	1.4	0	219,957	0	0	219,957	incl	16,277	38,492	274,726	-52,117	326,843	N/A	5A	0	
117			Extra Demolition required at Russell Road Retaining wall to Roseburn Street Units & Roseburn Garage.	18/09/2008	11/08/08, 25/08/08 21/10/08 05/11/08 11/11/08 21/01/09 21/01/09 10/02/09 12/02/09 20/02/09 23/02/09 07/04/09 14/08/09 23/09/09	25.1.201/IO/102 25.1.201/IL/497 25.1.201/IL/735 tie INF CORR 325 25.1.201/BO/895 25.1.201/IL/1316 25.1.201/MRH/1317 tie INF CORR 733 tie INF CORR 734 25.1.201/MRH/1695 25.1.201/IL/1701 25.1.201/BO/2182 tie INF CORR 2027/SS 25.1.201/IO/3556	1	0		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0	
118		96	IFC Drawing Change Cathedral Lane Sub Station	14/10/2008	16/09/08 23/09/08 22/10/08 27/10/08 28/10/08 31/10/08 04/11/08 21/11/08 09/12/08 12/12/08 16/12/08 20/01/09 23/01/09 03/03/09 16/03/09 21/04/09 28/04/09 05/05/09 18/08/09 31/08/09	tie- INF CORR 153 25.1.201/IO/670 tie INF CORR 258 25.1.201/MRH/773 25.1.201/MRH/778 tie INF CORR 318 25.1.201/MRH/836 25.1.201/MRH/993 tie INF CORR 459 25.1.201/MRH/1162 25.1.201/MRH/1173 tie INF CORR 575 25.1.201/IL/1353 tie INF CORR 803 25.1.201/BO/1933 tie INF CORR 1300/DC 25.1.201/MRH/2450 25.1.201/GC/2524 SDS-ULE9130-01-LET-01051 tie INF CORR 2119/DS/DC	1	1	1	M	1		0	1,145	0	0	1,145	0	85	0	1,230	1,230	0	N/A	1C	1,230	
119			IFC Drawing Change Leith Walk Sub Station	14/10/2008	23/09/08 22/10/08 27/10/08 28/10/08 31/10/08 04/11/08 21/11/08 09/12/08 12/12/08 16/12/08 20/01/09 28/01/09 25/02/09 02/03/09 04/09/09 15/09/09 01/02/10	25.1.201/IO/671 tie INF CORR 258 tie INF CORR 259 25.1.201/MRH/773 25.1.201/MRH/778 tie INF CORR 318 25.1.201/MRH/836 25.1.201/MRH/993 tie INF CORR 459 25.1.201/MRH/1162 25.1.201/MRH/1173 tie INF CORR 575 25.1.201/IL/1354 tie INF CORR 779 25.1.201/IO/1769 tie INF CORR 2278/PD 25.1.201/IO/3502 tie INF CORR 3353/PD		0		M	1		0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0	
120			IFC Drawings Demolition and reinforcing of existing building for Leith Walk Sub Station, sub station now positioned in area of building to be demolished	14/10/2008	23/09/08 22/10/08 27/10/08 28/10/08 31/10/08 04/11/08 21/11/08 09/12/08 12/12/08 16/12/08 20/01/09 28/01/09 25/02/09	25.1.201/IO/672 tie INF CORR 258 tie INF CORR 259 25.1.201/MRH/773 25.1.201/MRH/778 tie INF CORR 318 25.1.201/MRH/836 25.1.201/MRH/993 tie INF CORR 459 25.1.201/MRH/1162 25.1.201/MRH/1173 tie INF CORR 575 25.1.201/IL/1355 tie INF CORR 780		N/A		M	1		0	0	0	0	0	0	0	0	0	0	N/A	1B	0		



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Ref	tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section See Notes	Change Order Value
														£ Submitted	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psum or VE	Number					
141		24	West End Tramstop - revised requirements from CEC/tie.	31/10/2008	28/10/08 30/10/08 04/11/08 06/11/08 13/11/08 17/11/08 18/11/08 27/11/08 11/12/08 17/12/08 18/12/08 07/01/09 07/01/09 06/03/09 09/04/09 20/04/09 20/04/09 08/05/09	SDS-ULE90130-01-LET-00849 25.1.201/JH1194 SDS-ULE90130-SW-LET-01257 SDS-ULE90130-LET-00858 25.1.201/BOC/845 25.1.201/BOC/903 25.1.201/JH1/535 SDS-ULE90130-SW-LET-01273 tie INF CORR 431 25.1.201/BOC/1127 25.1.201/BOC/1128 25.1.201/JH1/194 tie INF CORR 537 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01330 tie INF CORR 896 tie INF CORR 1220/DS 25.1.201/BOC/2331 25.1.201/JH/2333 tie INF CORR 1401/MP	1	1	1	M	1	4	14,171	0	0	0	14,171	1,417	1,049	0	16,636	16,636	0	N/A	1	16,636	
142			Christmas and Festival Suspensions - conflict of information.	10/10/2008	05/11/08	25.1.201/IL/658 tie INF CORR 327			N/A					0	0	0	0	0	0	0	0	0	0	N/A	All	0	
143			CEC's intent to adopt private roads between Lochside Crescent and Lochside Avenue.	13/10/2008	08/10/08 27/10/08 06/11/08 06/11/08 12/11/08 20/11/08 28/11/08 08/05/09 13/05/09 10/07/09 30/07/09 31/07/09 17/09/09 24/09/09	SDS ULE90130-05-LET-00336 25.1.201/MRH/666 tie INF CORR 256 25.1.201/JH/860 tie INF CORR 336 25.1.201/MRH/904 tie INF CORR 406 25.1.201/BOC/1028 tie INF CORR 1477/DS 25.1.201/JH/2614 SDS-ULE90130-05-LET-00398 SDS-ULE90130-SW-LET-01640 25.1.201/JH/3187 tie INF CORR 2360/DS 25.1.201/JH/3571	1	1		M	1	4	34,123	0	0	0	34,123	3,412	2,525	0	40,060	0	40,060	N/A	5C	0	
144			Land drains encountered in pasture area ch 710500 /710600	07/11/2008	17/11/08 19/11/08 18/12/08 19/12/08 10/02/09 16/02/09	25.1.201/IO/872 tie INF CORR 367 25.1.201/MRH/971 tie INF CORR 531 25.1.201/IO/1226 tie INF CORR 701 25.1.201/MRH/1627			N/A					0	0	0	0	0	0	0	0	0	0	N/A	7	0	
145			Additional work arising from CEC's additional comments on Section 5C Technical Approval.	13/10/2008	03/10/08 23/09/08 27/10/08 27/10/08 06/11/08 06/11/08 14/11/08 21/11/08 16/12/08 30/01/09 27/02/09 18/03/09 23/03/09 09/04/09 21/04/09 28/07/09 30/07/09 18/08/09 02/09/09 28/09/09 16/10/09 06/01/10 13/01/10 15/01/10 29/01/10	SDS ULE90130-LET-00335 25.1.201/MRH/663 tie INF CORR 258 25.1.201/MRH/773 tie INF CORR 268 25.1.201/JH/866 tie INF CORR 342 tie INF CORR 388 25.1.201/MRH/993 25.1.201/JH/1181 25.1.201/JH/1434 SDS-ULE90130-05-LET-00380 SDS-ULE90130-SW-LET-01466 25.1.201/JH/2044 tie INF CORR 1204/MP 25.1.201/MRH/2350 tie INF CORR 1859/DS 25.1.201/JH/3177 SDS-ULE90130-05-LET-00416 25.1.201/JH/3414 tie INF CORR 2484/TG 25.1.201/JH/3810 25.1.201/BOC/4325 SDS-ULE90130-SW-LET-01836 25.1.201/JH/4398 25.1.201/BOC/4515			1	M	1	4	15,542	0	0	0	15,542	1,554	1,150	0	18,246	0	18,246	N/A	5C	0	
146a		101	IFC Drawing Change Russell Road Retaining Wall 4	14/10/2008	23/09/08 22/10/08 27/10/08 28/10/08 31/10/08 04/11/08 21/11/08 09/12/08 12/12/08 16/12/08 20/01/09 23/01/09 26/02/09 10/03/09 12/03/09 16/03/09 19/03/09 02/04/09 09/04/09 14/04/09 14/05/09 18/05/09 22/05/09 22/05/09 27/05/09 05/06/09 19/06/09 09/07/09 07/08/09 25/08/09 28/08/09	25.1.201/IO/862 tie INF CORR 258 tie INF CORR 259 25.1.201/MRH/773 25.1.201/MRH/778 tie INF CORR 318 25.1.201/MRH/836 25.1.201/MRH/993 tie INF CORR 459 25.1.201/MRH/1162 25.1.201/MRH/1173 tie INF CORR 575 25.1.201/IL/1356 25.1.201/RS/1752 tie INF CORR 821 tie INF CORR 988 tie INF CORR 1032 25.1.201/MRH/2022 25.1.201/KDR/2161 tie INF CORR 1217/TC tie INF CORR 1239/TC 25.1.201/IO/2625 25.1.201/KDR/2655 tie INF CORR 1493/TC tie INF CORR 1510/McG 25.1.201/MRH/2738 tie INF CORR 1608 25.1.201/KDR/2890 tie INF CORR 1752/TC tie INF CORR 1942/SC tie INF CORR 2077 tie INF CORR 2113/TC	1	1	1	M	1	1,2,3	0	1,473,505	0	0	1,473,505	incl	109,039	257,863	1,840,408	991,240	849,168	N/A	5A	0	
146 b			IFC Drawing Change Russell Road Retaining Wall 3	14/10/2008	20/01/09 27/01/09 12/03/09 20/03/09 09/04/09 27/05/09 26/08/09 22/09/09 22/12/09 19/01/10	25.1.201/IO/682 tie INF CORR 575 25.1.201/IL/1356 tie INF CORR 988 25.1.201/MRH/2022 tie INF CORR 1217/TC 25.1.201/MRH/2738 tie INF CORR 2113/TC 25.1.201/MRH/3546 tie INF CORR 3093/TC 25.1.201/IO/4431		1		M	1	1,2,3	0	352,692	0	0	352,692	0	26,099	61,721	440,513	0	440,513	N/A	5A	0	



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
163	25		Haymarket Taxi Stand	24/09/2008	07/08/08 29/10/08 07/11/08 18/11/08 18/12/08 07/01/09 03/02/09 10/02/09 12/02/09 27/02/09 05/03/09 27/03/09 04/04/09 07/04/09 25/05/09 15/06/09 28/07/09 31/07/09	SDS-ULE90130-01-LET-00751 25.1.201/JH/519 tie INF CORR 292 25.1.201/JH/876 SDS-ULE90130-01-LET-00871 tie INF CORR 537 25.1.201/MRH/1247 SDS-ULE90130-SW-LET-01367 SDS-ULE90130-SW-LET-01379 25.1.201/JH/1572 tie INF CORR 794 25.1.201/BOC/1799 INF CORR 1043 25.1.201/JH/2164 25.1.201/BOC/2184 25.1.201/BOC/2724 25.1.201/IL/2858 tie INF CORR 1858/DS tie INF CORR 1979/DC	1	1	1	I	1	4	22,710	0	0	0	22,710	2,271	1,681	0	26,662	0	26,662	N/A	2	0			
164			Delayed Listed Building Consent Applications	29/07/2008	29/07/08 01/08/08 01/01/08 22/08/08 17/11/08 28/11/08 16/12/08 11/03/09	SDS-ULE90130-01-LET-00747 25.1.201/JH/340 SDS-ULE90130-01-LET-00749 25.1.201/GC/365 tie INF CORR 408 tie INF CORR 358 25.1.201/BOC/1026 25.1.201/JH/1181 25.1.201/JH/1893			N/A					0	0	0	0	0	0	0	0	0	0	0	N/A	1	0		
165			Delayed issued of IFCs for Section 1A4	17/10/08	16/10/08 23/09/08 27/10/08 14/11/08 14/11/08 21/11/08 28/11/08 16/12/08 09/04/09 21/04/09	SDS-ULE90130-01-LET-00831 25.1.201/MRH/707 tie INF CORR 258 25.1.201/MRH/773 tie INF CORR 389 tie INF CORR 388 25.1.201/MRH/993 25.1.201/BOC/1027 25.1.201/JH/1181 tie INF CORR 1204/MP 25.1.201/MRH/2350			N/A					0	0	0	0	0	0	0	0	0	0	0	N/A	1A4	0		
166	78	8	Demolition of existing garage and fuel tanks on Ocean Drive.	20/10/2008	23/09/08 27/10/08 29/10/08 14/11/08 17/11/08 21/11/08 03/12/08 08/01/09 09/04/09 11/11/09 17/11/09 25/11/09	25.1.201/MRH/708 tie INF CORR 258 25.1.201/MRH/773 tie INF CORR 297 tie INF CORR 388 25.1.201/IL/949 25.1.201/MRH/993 tie INF CORR 452 SDS-ULE90130-01-LET-00912 tie INF CORR 1204/MP tie INF CORR 2778/SJ 25.1.201/MRH/4041 tie INF CORR 2913/MB	1	1	1	I	1	4	0	14,500	0	0	14,500	1,450	1,073	2,538	19,561	17,023	2,538	N/A	1A	17,023			
167	56		Accommodation Works to Wanderers Clubhouse Building at Murrayfield	20/10/2008	02/07/08 23/09/08 27/10/08 07/11/08 06/11/08 11/11/08 14/11/08 17/11/08 21/11/08 21/11/08 03/12/08 09/12/08 20/01/09 20/01/09 29/01/09 05/02/09 06/03/09 12/03/09 12/03/09 12/03/09 12/03/09 12/03/09 12/03/09 09/04/09 10/04/09 21/04/09 07/05/09 26/05/09 01/10/09	25.1.201/MRH/716 25.1.201/TM/206 tie INF CORR 258 25.1.201/MRH/773 25.1.201/JH/876 tie INF CORR 334 25.1.201/MRH/991 tie INF CORR 388 SDS-ULE90130-05-LET-00356 25.1.201/BOC/991 25.1.201/MRH/993 tie INF CORR 456 25.1.201/MRH/112 25.1.201/IL/1309 Graham Const. 25.1.201/IL/1310 tie INF CORR 650 25.1.201/MNH/1488 tie INF CORR 904 25.1.201/IL/1309 Graham 25.1.201/IL/1515 CBC 25.1.201/IL/1916 Clark 25.1.201/IL/1917 BMR 25.1.201/IL/1918 GSL 25.1.201/IL/1919 tie INF CORR 1204/MP SDS-ULE90130-05-LET-00384 25.1.201/MRH/2350 25.1.201/IL/2526 tie INF CORR 1506/JO tie INF CORR 2551/TC	1	1	1	I	4	1,2,3	0	141,631	0	0	141,631	14,163	10,481	24,786	191,061	166,275	24,786	VPS	1	5A	166,275		
167a			Further changes to Wanderers Clubhouse Building at Murrayfield	04/12/2009	07/12/09 15/12/09 06/01/10 11/01/10 14/01/10 01/02/10 04/02/10 04/02/10	25.1.201/MRH/4176 25.1.201/WH/4181 tie INF CORR 3031/TC 25.1.201/SN/4327 25.1.201/SN/4362 tie INF CORR 3172/MP tie INF CORR 3245/SBA 25.1.201/SN/4557 25.1.201/SN/4566		0		I	4	1,2,3											VPS	1	5A	0			
168	16		Demolition of existing building at 33 Ocean Drive.	20/10/2008	23/09/08 27/10/08 29/10/08 14/11/08 21/11/08 26/11/08 12/12/08 18/12/08 19/12/08 07/01/09 02/03/09 09/04/09	25.1.201/MRH/717 tie INF CORR 258 25.1.201/MRH/773 tie INF CORR 285 tie INF CORR 388 25.1.201/MRH/993 25.1.201/IL/1015 tie INF CORR 512 tie INF CORR 537 25.1.201/IL/1218 25.1.201/MRH/1247 tie INF CORR 785 tie INF CORR 1204/MP	1	1	1	I	1	1,2,3	0	5,000	0	0	5,000	500	370	875	6,745	5,858	887	N/A	5	5,858			
169	48		Relocation of Police Box Coffee Bar - Picardy Place	20/10/2008	23/09/08 27/10/08 29/10/08 14/11/08 20/11/08 21/11/08 17/12/08 18/12/08 07/01/09 16/02/09 30/03/09 09/04/09 21/04/09 22/04/09 29/04/09	25.1.201/MRH/718 tie INF CORR 258 25.1.201/MRH/773 tie INF CORR 290 tie INF CORR 388 25.1.201/IL/974 25.1.201/MRH/993 tie INF CORR 534 tie INF CORR 537 25.1.201/MRH/1247 25.1.201/IL/1503 tie INF CORR 1079 tie INF CORR 1204/MP 25.1.201/MRH/2350 SDS-ULE90130-01-LET-00999 tie INF CORR 1349/MP	1	1	1	I	1	1,2,3	0	7,869	0	0	7,869	787	582	1,377	10,616	9,329	1,287	N/A	1C	9,329			



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
170	32		Demolition and alteration of existing building at Cathedral Lane	20/10/2008	23/09/08 27/10/08 29/10/08 11/11/08 14/11/08 21/11/08 21/12/08 18/12/08 13/01/09 09/04/09 21/04/09 29/05/09 18/11/09 30/11/09	25.1.201/MRH/719 tie INF CORR 258 25.1.201/MRH/773 tie INF CORR 286 25.1.201/MRH/892 tie INF CORR 388 25.1.201/MRH/993 tie INF CORR 516 25.1.201/IO/1201 tie INF CORR 571 tie INF CORR 1204/MP 25.1.201/MRH/2350 25.1.201/IO/2699 25.1.201/IL/4044 tie INF CORR 2934/DC	1	1	1	I	1	1,2,3	0	2,244	0	0	2,244	0	166	0	2,410	0	2,410	N/A	1A	0			
171	73		Contract with Faber Maunself for Transyst and Linsig Modelling Assessments.	15/10/2008	07/11/08 12/12/08 03/02/09 16/06/09 20/07/09 04/08/09 31/08/09 16/10/09	tie INF CORR 227 25.1.201/GC/875 tie INF CORR 505 25.1.201/GC/1284 tie INF CORR 1662/DC 25.1.201/GC/3098 tie INF CORR 1948/DCX 25.1.201/KDR/3400 tie INF CORR 2407/RB	1	1	1	I	1	4	0	48,043	0	0	48,043	4,804	3,555	8,408	64,810	64,809	1	N/A	All	64,809			
172	23		Traffic Modelling - Pedestrian Crossing Timings Standard	08/09/2008	14/10/08 16/10/08 16/10/08 20/10/08 22/10/08 23/10/08 30/10/08 06/11/08 04/11/08 18/11/08 21/11/08 11/12/08 15/12/08 18/12/08 07/01/09 20/01/09 04/02/09 05/02/09 09/02/09 20/02/09 24/02/09 27/02/09 05/03/09 02/04/09 07/04/09 08/04/09 28/07/09 31/07/09 24/08/09 31/08/09 17/09/09	SDS-ULE90130-SW-LET-01238 tie INF CORR 239 tie INF CORR 245 25.1.201/MRH/729 25.1.201/JH/742 25.1.201/JH/762 tie INF CORR 301 25.1.201/JH/869 tie INF CORR 323 SDS-ULE90130-SW-LET-01287 25.1.201/JH/992 SDS-ULE90130-SW-LET-01323 25.1.201/BOC/1169 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 620 SDS-ULE90130-SW-LET-01369 25.1.201/BOC/1480 25.1.201/BOC/1527 SDS-ULE90130-SW-LET-01399 25.1.201/BOC/1722 tie INF CORR 794 25.1.201/BOC/1799 tie INF CORR 1169 25.1.201/JH/2188 25.1.201/BOC/2204 tie INF CORR 1858/DS tie INF CORR 1879/DC SDS-ULE90130-SW-LET-01680 25.1.201/KDR/3400 SDS-ULE90130-SW-LET-01723	1	1	1	I	1	4	36,874	0	0	0	36,874	3,687	2,729	0	43,290	0	43,290	N/A	All	0			
173	26		Discovery of underground petrol tank at National Car Rental Site.	22/10/2008	30/10/08 04/11/08 03/12/08 09/12/08 12/12/08 16/12/08 21/01/09 11/02/09 12/02/09 23/02/09 06/03/09 27/03/09 07/04/09 07/04/09 08/05/09 14/05/09 03/08/09 06/08/09	25.1.201/MRH/738 tie INF CORR 300 25.1.201/MRH/935 tie INF CORR 458 25.1.201/MRH/1108 tie INF CORR 509 25.1.201/MRH/1188 25.1.201/MRH/1320 tie INF CORR 741 tie INF CORR 736 25.1.201/MRH/1698 25.1.201/GC/1880 INF CORR 1112 25.1.201/MRH/2198 tie INF CORR 1122 tie INF CORR 1421/MP 25.1.201/MRH/2620 tie INF CORR 1940/FD 25.1.201/WM/3228	1	1	1	I	1	4	0	4,100	0	0	4,100	410	303	718	5,531	4,813	718	N/A	5	4,813			
174			Discovery of new BT ducts under kerb line in Section 1B	22/10/2008	27/10/08 29/10/08 30/10/08 06/11/08 01/12/08 18/12/08 05/01/09 20/01/09 26/01/09 12/02/09 20/02/09 06/03/09 16/03/09 27/03/09 07/04/09 15/04/09 08/05/09 18/05/09 16/10/09 22/10/09	25.1.201/MRH/741 tie INF CORR 272 25.1.201/MRH/792 tie INF CORR 303 tie INF CORR 348 25.1.201/MRH/1069 tie INF CORR 486 25.1.201/MRH/1233 tie INF CORR 618 25.1.201/MRH/1393 tie INF CORR 735 25.1.201/MRH/1692 tie INF CORR 928 25.1.201/MRH/1937 tie INF CORR 1117 25.1.201/MRH/2195 e-mail SK-MRH tie INF CORR 1411/MP 25.1.201/MRH/2661 tie INF CORR 2597/FD 25.1.201/MRH/3872	1	1		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
175			SDS Provisional Sums - Extended Construction Support and Design Support Team	22/10/2008	06/10/08 27/10/08 30/10/08 31/10/08 30/10/08 06/11/08 20/11/08 22/11/08 08/12/08 16/12/08	25.1.201/SR/626 25.1.201/MRH/743 tie INF CORR 263 25.1.201/JH/803 tie INF CORR 319 ULE90130-SW-LET-01258 25.1.201/BOC/862 25.1.201/JH/982 25.1.201/JH/990 tie INF CORR 474 25.1.201/JH/1186			N/A				0	0	0	0	0	0	0	0	0	0	0	N/A	All	0			
176	22	9	CVts - Construct Temporary Ramps (2 no.) at Gogar Church Road Construct Car Park	17/10/2008	02/07/08 17/11/08 26/11/08 01/12/08 18/12/08	25.1.201/TM/207 tie INF CORR 231 25.1.201/IL/939 tie INF CORR 430 25.1.201/IL/1070 tie INF CORR 528	1	1	1	I	1	4	0	6,185	0	0	6,185	0	458	1,082	7,725	6,643	1,082	N/A	5C	6,643			
177			Harbour Trackwork Storage Area	30/10/2008	14/11/08 18/12/08 07/01/09 05/03/09 12/03/09 08/05/09 14/05/09 07/08/09 21/08/09 01/09/09 09/09/09 09/09/09 17/09/09 22/10/09 25/11/09	ETN(BSC)TIE-T&ABC#050083 ETN(BSC)TIE-T&ABC#050128 tie INF CORR 537 25.1.201/MRH/1247 tie INF CORR 585 ETN(BSC)TIE&ABC#050456 tie INF CORR 888 tie INF CORR 1435/CB ETN(BSC)TIE&ABC#052971 tie INF CORR 1963/WB ETN(BSC)TIE&ABC#053294 tie INF CORR 2240/WB tie INF CORR 2308/MB 25.1.201/AH/3459 25.1.201/AH/3256 ETN(BSC)TIE-TD&ABC#057036 tie INF CORR 2877/MB			N/A				0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A	0		



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
187		28	Additional excavated material at Depot	03/11/2008	27/11/08 05/12/08 12/12/08 04/03/09 11/03/09 16/03/09 23/03/09 27/03/09 02/04/09 09/04/09 15/04/09 17/04/09 20/04/09 30/04/09 17/06/09 22/06/09 07/07/09 07/08/09 19/08/09 09/09/09	25.1.201/GC/828 tie INF CORR 436 25.1.201/GC/1092 tie INF CORR 491 25.1.201/BCW/1777 25.1.201/GC/1820 tie INF CORR 1026 25.1.201/MRH/2046 tie INF CORR 1090 tie INF CORR 1166 tie INF CORR 1227/AS tie INF CORR 1250/AS SDS-ULE90130/SW/LET/01512 25.1.201/MRH/2338 tie INF CORR 1353/AS 25.1.201/JH/2879 25.1.201/JH/2898 tie INF CORR 1738/SS tie INF CORR 1996/AS 25.1.201/BOC/3307 SDS-ULE90130-06-LET-00156	1		1	1	M	1	1	0	1,345,600	0	0	1,345,600	0	99,574	235,480	1,660,654	1,425,174	235,480	N/A	6	1,425,174		
187.1			Additional excavated material at Depot - Investigate options to reuse additional material		13/11/08 05/12/08 12/12/08 04/03/09	tie INF CORR 357 25.1.201/GC/1091 tie INF CORR 491 25.1.201/BCW/1777			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	6	0		
188			Contaminated Material at Carricknowe	04/11/2008	06/03/09 07/05/09 14/05/09 22/05/09 12/06/09 13/08/09 16/11/09 26/01/10 01/02/10 05/02/10 08/02/10 12/02/10	25.1.201/GC/829 tie INF CORR 851 25.1.201/GA/2568 tie INF CORR 1468/MP 25.1.201/CF/2709 25.1.201/GA/2846 tie INF CORR 2040/TC 25.1.201/CFU/4070 25.1.201/CFU/4491 tie INF CORR 3254/SBA 25.1.201/GA/4580 tie INF CORR 4033/SB 25.1.201/MRH/4660	1		1		M	1	4	0	11,600	0	0	11,600	0	858	2,030	14,488	0	14,488	N/A	5B	0		
189			Discovery of Low Voltage Cable in Road Formation	13/11/2008	20/11/08 01/12/08 18/12/08 01/05/09 08/09/09	25.1.201/MRH/907 tie INF CORR 404 25.1.201/MRH/1051 tie INF CORR 484 25.1.201/SK/2500 tie INF CORR 2281/PD			0		M	1	4	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
190			Discovery of Gas Main - Chainage 353 RHS	13/11/2008	20/11/08 01/12/08 18/12/08 15/04/09	25.1.201/MRH/908 tie INF CORR 404 25.1.201/MRH/1052 tie INF CORR 484 e-mail SK-MRH			1		M	1	4	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
191		110	Discovery of concrete encased lighting cable - Chainage 339 RHS	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 06/03/09 16/03/09 08/05/09 18/05/09 11/09/09 11/09/09 17/09/09 16/10/09 23/10/09 28/10/09 09/12/09	25.1.201/MRH/909 tie INF CORR 404 25.1.201/MRH/1053 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1372 tie INF CORR 704 25.1.201/MRH/1660 tie INF CORR 921 25.1.201/MRH/1935 tie INF CORR 1416/MP 25.1.201/MRH/2658 25.1.201/SK/P/01/3485 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC tie INF CORR 2712/SJ 25.1.201/WIM/4205	1		1	1	M	1	4	0	133	0	0	133	13	10	23	180	180	-0	VPS	2	1B	180	
192		14	Discovery of Cable & Wireless ducts - Chainage 108	17/11/2008	27/11/08 01/12/08 12/12/08 18/12/08 19/12/08 20/01/09 26/01/09 22/01/09 12/02/09 18/02/09 06/03/09 16/03/09 08/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09	25.1.201/MRH/910 tie INF CORR 439 25.1.201/MRH/1054 tie INF CORR 485 25.1.201/IL/1207 25.1.201/IL/1220 tie INF CORR 612 25.1.201/IL/1373 tie INF CORR 633 tie INF CORR 705 25.1.201/MRH/1645 tie INF CORR 923 25.1.201/MRH/1935 tie INF CORR 1416/MP 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2443/SC	1		1	1	M	1	4	0	150	0	0	150	0	11	26	187	161	26	VPS	2	1B	161	
193		46	Discovery of Hydrant in kerb line - Chainage 333 RHS	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 06/03/09 16/03/09 31/03/09 16/04/09 22/04/09 29/04/09 08/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09	25.1.201/MRH/911 tie INF CORR 404 25.1.201/MRH/1055 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1374 tie INF CORR 706 25.1.201/MRH/1661 tie INF CORR 920 25.1.201/MRH/1935 25.1.201/DNCR/P/1/2083 tie INF CORR 1282/CB 25.1.201/MRH/2367 tie INF CORR 1349/MP tie INF CORR 1416/MP tie INF CORR 1387/CB 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC 25.1.201/WIM/4205	1		1	1	M	1	4	0	333	0	0	333	33	25	58	449	391	58	VPS	2	1B	391	
194			Discovery of Duct Crossings - Chainage 268 RHS	13/11/2008	20/11/08 01/12/08 18/12/08 15/04/09	25.1.201/MRH/912 tie INF CORR 404 25.1.201/MRH/1056 tie INF CORR 484 e-mail SK-MRH			1		M	1	4	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
195		45	Discovery of temporary pedestrian crossing lighting ducts and junction box above formation and fouling kerb line - Chainage 245-268 RHS	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 28/01/09 12/02/09 20/02/09 25/02/09 06/03/09 16/03/09 27/03/09 08/04/09 29/04/09 08/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09	25.1.201/MRH/913 tie INF CORR 404 25.1.201/MRH/1057 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1375 tie INF CORR 708 25.1.201/MRH/1664 25.1.201/DM/P/01/1491 tie INF CORR 917 25.1.201/MRH/1935 INF CORR 1123 25.1.201/GC/2234 tie INF CORR 1349/MP tie INF CORR 1416/MP 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC 25.1.201/WIM/4205	1		1	1	M	1	4	0	559	0	0	559	56	41	98	755	657	98	VPS	2	1B	657	
196			Little King Street works required by CEC outside the Limits of Deviation	06/11/08	30/10/08 07/11/08 27/11/08 28/01/09 10/02/09 12/02/09 27/02/09 05/03/09 27/03/09 03/04/09 07/04/09 28/07/09 31/07/09 13/11/09 20/11/09 10/12/09 15/12/09	SDS-ULE90130-01-LET-00852 25.1.201/JH/867 25/1201/JH/876 tie INF CORR 437 SDS-ULE90130-01-LET-00898 SDS-ULE90130-SW-LET-01379 25.1.201/BOC/1570 tie INF CORR 794 25.1.201/BOC/1799 INF CORR 1041 25.1.201/JH/2162 25.1.201/BOC/2185 tie INF CORR 1858/DS tie INF CORR 1879/DC tie INF CORR 2790/DS 25.1.201/BOC/4073 SDS-ULE90130-SW-LET-01807 25.1.201/JH/4256	1		1		I	1	4	879	1,356	0	0	2,235	88	165	0	2,488	0	2,488	N/A		1C	0	
197			Cycle path near Gyle tramstop. Widening of shared cycleway/footway required by CEC outside the Limits of Deviation.	07/11/08	30/10/08 07/11/08 05/12/08 28/01/09 10/02/09 12/02/09 20/02/09 25/02/09 26/02/09 27/02/09 05/03/09 26/05/09 28/07/09 31/07/09	SDS-ULE90130-05-LET-00347 25.1.201/JH/870 25.1.201/JH/876 tie INF CORR 457 SDS-ULE90130-05-LET-00360 SDS-ULE90130-SW-LET-01379 25.1.201/JH/1581 tie INF CORR 777 25.1.201/BOC/1733 25.1.201/JH/1749 tie INF CORR 794 25.1.201/BOC/1799 25.1.201/BOC/2724 tie INF CORR 1858/DS tie INF CORR 1879/DC	1		1		I	1	4	10,346	0	0	0	10,346	1,035	766	0	12,146	0	12,146	N/A		5B	0	
198		26	Gogar Roundabout Lighting. Full re-lighting required by CEC - a portion of the works is outside the Limits of Deviation.	10/11/08	30/01/08 07/11/08 26/11/08 03/11/08 03/12/08 17/12/08 18/12/08 10/02/09 12/02/09 27/02/09 05/03/09 26/03/09 04/04/09 07/04/09 26/05/09 28/07/09 31/07/09 19/10/09 25/11/09	SDS-ULE90130-05-LET-00348 25.1.201/JH/876 25.1.201/JH/877 tie INF CORR 429 25.1.201/BOC/1078 25.1.201/BOC/1078 SDS-ULE90130-05-LET-00361 tie INF CORR 487 SDS-ULE90130-SW-LET-01379 25.1.201/BOC/1567 tie INF CORR 794 25.1.201/BOC/1799 INF CORR 1040 25.1.201/JH/2163 25.1.201/BOC/2183 25.1.201/BOC/2724 tie INF CORR 1858/DS tie INF CORR 1879/DC 25.1.201/IL/3804 tie INF CORR 2916/GMcG	1	1	1		I	1	4	3,867	107,222	0	0	111,089	12,190	8,221	18,764	150,263	0	150,263	N/A		5C	0	
199			IFC Drawing changes - Balgreen bridge S22a	06/11/2008	13/11/08 19/11/08 26/01/09 02/02/09 03/02/09 06/03/09 06/03/09 18/03/09 18/03/09 16/07/09 17/07/09 29/07/09 31/07/09 07/08/09 10/08/09 13/08/09 20/08/09 26/08/09 22/09/09 13/11/09 17/11/09 17/12/09 08/02/10	25.1.201/IO/846 tie INF CORR 362 25.1.201/MRH/967 tie INF CORR 631 25.1.201/IO/1454 25.1.201/MRH/1467 tie INF CORR 884 tie INF CORR 883 25.1.201/MRH/1992 25.1.201/MRH/1993 tie INF CORR 1790/TC 25.1.201/MRH/3077 tie INF CORR 1866/TC 25.1.201/MRH/3181 tie INF CORR 1987/TC 25.1.201/MRH/3252 tie INF CORR 2045/TC 25.1.201/MRH/3319 tie INF CORR 2125/TC 25.1.201/MRH/3542 tie INF CORR 2817/TC 25.1.201/MRH/4034 tie INF CORR 3035/TC tie INF CORR 4015/DC			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A		5A	0
200			IFC Drawing changes - Saughton Bridge	06/11/2008	13/11/08 19/11/08 26/01/09 09/02/09	tie INF CORR 372 25.1.201/MRH/965 tie INF CORR 632 25.1.201/MRH/1545			0				M	1	1,2,3	0	0	0	0	0	0	0	0	0	N/A		5B	0	
201			IFC Drawing changes - Depot Access Bridge	06/11/2008	12/11/08 13/11/08 19/11/08 19/11/08 20/01/09 26/01/09 02/02/09 03/02/09 03/02/09 20/04/09 28/04/09 31/07/09 04/08/09 25/09/09 07/10/09 16/10/09 14/10/09 23/10/09 12/01/10 14/01/10 22/01/10 29/01/10 29/01/10 12/02/10	25.1.201/IO/846 tie INF CORR 368 tie INF CORR 363 25.1.201/MRH/963 25.1.201/MRH/966 tie INF CORR 594 25.1.201/IO/1368 25.1.201/JH/1457 25.1.201/JH/1457 25.1.201/MRH/1470 tie INF CORR 1298/AS 25.1.201/MRH/2448 tie INF CORR 1878/GMcG 25.1.201/MRH/3212 tie INF CORR 2460/GMcG 25.1.201/MRH/3716 25.1.201/GC/3827 tie INF CORR 2628/GM 25.1.201/MRH/3875 tie INF CORR 3150/MP tie INF CORR 3137/RB 25.1.201/CBR/4472 25.1.201/CBR/4516 25.1.201/CBR/4524 25.1.201/WIM/4668			1		M	1	1,2,3	0	1,984,151	0	0	1,984,151	incl	146,827	347,226	2,478,205	-4,927,733	7,405,938	N/A		5C	0	



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
202		90	IFC Drawing changes - Gogarburn Culverts 1, 2 and 3	06/11/2008	13/11/08 19/11/08 02/02/09 03/02/09 03/02/09 20/02/09 24/02/09 06/03/09 19/03/09 31/03/09 14/04/09 21/04/09 12/08/09	25.1.201/IO/849 tie INF CORR 364 25.1.201/MRH/968 25.1.201/IO/1455 25.1.201/JH/1458 25.1.201/MRH/1468 tie INF CORR 769 25.1.201/MRH/1729 tie INF CORR 898 25.1.201/MRH/2015 25.1.201/IO/2141 tie INF CORR 1233/GM 25.1.201/MRH/2345 tie INF CORR 2077/GMcG	1		1	1	M	1	1,2,3	0	10,703	0	0	10,703	0	792	1,873	13,368	13,368	0	N/A		7	13,368	
203			IFC Drawing changes - Gogarburn Depot	06/11/2008	13/11/08 17/11/08 19/11/08 19/11/08 20/01/09 26/01/09 07/04/09 14/04/09 15/04/09 23/04/09 02/06/09 09/06/09 23/06/09 06/01/10	25.1.201/IO/850 tie INF CORR 369 tie INF CORR 367 25.1.201/MRH/961 25.1.201/IL/964 tie INF CORR 592 25.1.201/IO/1392 tie INF CORR 1159 25.1.201/MRH/2269 25.1.201/JH/2290 tie INF CORR 1306/AS tie INF CORR 1571/GMcG SDS-ULE90130-SW-LET-01582 25.1.201/CBR/2910 25.1.201/BOC/4325			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
203a		79	Foundations	07/05/2009	15/05/09 22/05/09 15/07/09	25.1.201/GC/2567 tie INF CORR 1471/GMcG 25.1.201/MRH/2705 tie INF CORR 1770	1		1	1	M	1	1,2,3,4	0	38,256	0	0	38,256	0	2,831	6,695	47,782	47,782	0	N/A		6	47,782	
203b		78	Structural Steelwork	07/05/2009	15/05/09 22/05/09 15/07/09 29/09/09	25.1.201/GC/2566 tie INF CORR 1474/MP 25.1.201/MRH/2705 tie INF CORR 1770 tie INF CORR 2478/AS	1		1	1	M	1	1,2,3	0	216,471	0	0	216,471	0	16,019	37,883	270,373	270,373	0	N/A		6	270,373	
203c			Hard Landscaping	02/06/2009	14/08/09 21/08/09 04/09/09 22/09/09 13/10/09 29/10/09	25.1.201/TG/K02/038/2630 tie INF CORR 2030/GMcG 25.1.201/KDR/3330 tie INF CORR 2258/GMcG 25.1.201/MRH/3539 tie INF CORR 2612/GMcG 25.1.201/GC/3918			1		M	1	1,2,3	0	155,140	0	0	155,140	2,948	11,480	27,149	196,717	0	196,717	N/A		6	0	
203d			Substation Building	01/06/2009	31/07/09	25.1.201/ID/K02/038/2618 25.1.201/MRH/3188					M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
203e			New Chamber	02/06/2009	12/06/09 31/07/09	25.1.201/ID/K02/038/2617 tie INF CORR 1654/GMcG 25.1.201/MRH/3188					M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
203f			Soil Nailing and Soil Reinforcement Works	22/05/2009	07/08/09 19/08/09 09/09/09 10/09/09 16/09/09 16/09/09 25/09/09 25/09/09 09/10/09 15/12/09 25/01/10	25.1.201/TG/K/02/038/2629 tie INF CORR 1996/AS 25.1.201/BOC/3307 SDS-ULE90130-06-LET-00156 25.1.201/CBR/3481 25.1.201/CBR/3508 e-mail tie - Infraco (Scott-Brady) 25.1.201/CBR/3597 tie INF CORR 2481/AS tie INF CORR 2598/AS 25.1.201/CBR/4239 tie INF CORR 3204/AS			1		M	1	1,2,3	0	342,909	0	0	342,909	30,495	25,375	60,009	458,788	0	458,788	N/A		6	0	
203g		93	Secondary Steelwork	30/07/2009	17/08/09	25.1.201/ID/3174 tie INF CORR 2016/GMcG	1		1	1	M	1	1,2,3	0	1,886	0	0	1,886	incl	140	330	2,356	2,356	0	N/A		6	2,356	
203h1			Drainage - BDDI to IFC Change		05/06/09 08/06/09 27/08/09 24/09/09 16/10/09 27/11/09 14/12/09	25.1.201/JH/2801 25.1.201/IL/2809 25.1.201/ID/3374 tie INF CORR 2440/MP 25.1.201.ID/3805 tie INF CORR 2923/GMcG tie INF CORR 2985/SS			1		I	1	1,2,3	0	-9,908	0	0	-9,908	incl	-733	-1,734	-12,376	0	-12,376	N/A		6	0	
203h2			Drainage - BDDI to IFC Change		05/06/09 08/06/09 27/08/09 24/09/09 16/10/09 11/12/09 14/12/09	25.1.201/JH/2801 25.1.201/IL/2809 25.1.201/ID/3374 tie INF CORR 2440/MP 25.1.201.ID/3806 tie INF CORR 2997/GMcG tie INF CORR 2985/SS			1		I	1	1,2,3	0	114,263	0	0	114,263	incl	8,455	19,996	142,714	0	142,714	N/A		6	0	
203i			Cast in situ piles not shown on BDDI																										
203j		114	BDDI to IFC changes to depot access road	22/10/2009	13/11/09	25.1.201/TG/3547 tie INF CORR 2803/GMcG	1		1	1	M	1	1,2,3	0	62,990	0	0	62,990	incl	4,661	11,023	78,675	78,675	-0	N/A		6	78,675	
203k1			Piling to OLE poles - IFC Drawings	01/12/2009	15/12/09 07/01/10 19/01/10 03/02/10	25.1.201/SW/4132 tie INF CORR 3011/GMcG 25.1.201/OH/4334 25.1.201/OH/4432 tie INF CORR 3279/MP			1		M	1	1,2,3	0	311,120	0	0	311,120	2,040	23,023	54,446	390,629	0	390,629	N/A		6	0	
203k2			Increase on number of OLE bases - BDDI to IFC	19/01/2010	01/02/10	25.1.201/ID/4434 tie INF CORR 3278/MP			1		M	1	1,2,3	0	55,440	0	0	55,440	incl	4,103	9,702	69,245	0	69,245	N/A		6	0	
203l1			IFC issue drawings for reinforcement to pit walls	12/02/2010		25.1.201/SW/4656			0		M	1	1,2,3	0	0	0	0	0	incl	0	0	0	0	0	N/A		6	0	
203l2			IFC issue drawings for edge beam reinforcement changes	12/02/2010		25.1.201/SW/4656			0		M	1	1,2,3	0	0	0	0	0	incl	0	0	0	0	0	N/A		6	0	
203l3			IFC issue drawings for introduction of waterproof concrete	12/02/2010		25.1.201/SW/4657			0		M	1	1,2,3	0	0	0	0	0	incl	0	0	0	0	0	N/A		6	0	
203m			IFC issue drawings for installation of incoming gas main	05/11/2009	15/12/09 07/01/10 25/01/10 28/01/10	25.1.201/SW/3961 tie INF CORR 3012/GMcG 25.1.201/OH/4333 tie INF CORR 3206/GMcG 25.1.201/MRH/4509			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
203n			IFC issue drawings for alteration to Scottish Water valves - MUDFA works	21/01/2010	01/02/10 03/02/10	25.1.201/SW/4445 tie INF CORR 3258/GMcG 25.1.201/SW/4546			1		M	1	1,2,3	0	13,545	0	0	13,545	1,355	1,002	2,370	18,272	0	18,272	VPS	2	6	0	
203o			IFC issue drawings for earthing and bonding	22/01/2010		25.1.201/SW/4585			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
203r			IFC issue drawings for Siemens additional containment	07/01/2010		25.1.201/SW/4330 tie INF CORR 3205/GMcG			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
203s			IFC drawing Change - revised specification for Kaba Doors	04/02/2010		25.1.201/SW/4556			1		M	1	1,2,3	0	113,051	0	0	113,051	11,305	8,366	19,784	162,505	0	162,505	N/A		6	0	
203u1			IFC issue drawings for Smoke Vents	11/02/2010		25.1.201/SW/4640			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A		6	0	
204			IFC Drawing changes - Roads, Streetlighting, Drainage Section 5B	06/11/2008	04/12/08 09/12/08 19/02/09 03/06/09 31/07/09 04/08/09 17/08/09 01/09/09 21/09/09 29/09/09	25.1.201/IO/851 tie INF CORR 469 25.1.201/MRH/1107 tie INF CORR 772 25.1.201/IL/2777 tie INF CORR 1874/DC 25.1.201/IL/3216 tie INF CORR 2058/DC 25.1.201/IL/3395 tie INF CORR 2311/MP 25.1.201/IL/3623	1		1		M	1	1,2,3	0	613,451	0	0	613,451	0	45,395	107,354	766,200	5,957	760,243	N/A		5B	0	
205			IFC Drawing changes - Roads, Streetlighting, Drainage Section 5C	06/11/2008	04/12/08 09/12/08 19/02/09 25/02/09 09/04/09 16/04/09 27/05/09 29/05/09 03/06/09 31/07/09 05/08/09 17/08/09 01/09/09 21/09/09 29/09/09	25.1.201/IO/852 tie INF CORR 470 25.1.201/MRH/1106 tie INF CORR 771 25.1.201/IO/1736 tie INF CORR 1221/DS 25.1.201/MRH/2316 tie INF CORR 1516/DS 25.1.201/MRH/2762 25.1.201/IL/2712 tie INF CORR 1875/DC 25.1.201/IL/3217 tie INF CORR 2059/DC 25.1.201/IL/3393 tie INF CORR 2312 25.1.201/IL/3624	1		1		M	1	1,2,3	0	462,774	0	0	462,774	0	34,245	80,985	578,005	114,352	463,653	N/A		5C	0	



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
206			IFC Drawing changes - Bankhead Tramstop	06/11/2008	21/01/09 26/01/09 02/02/09	25.1.201/IO/853 tie INF CORR 601 25.1.201/MRH/1391 25.1.201/IO/1452			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0	
207	21	30	Scottish Gas Networks - Trial Investigations to protect gas main at Culvert no. 2	30/10/2008	18/12/08 07/01/09 09/01/09 21/01/09 20/01/09 23/01/09 10/02/09 11/02/09 16/02/09 19/02/09 25/02/09 11/03/09 17/03/09 27/03/09 03/04/09 07/04/09 09/04/09 14/04/09 29/04/09 08/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09	25.1.201/IO/853 tie INF CORR 537 25.1.201/MRH/1247 25.1.201/IL/1262 25.1.201/MRH/1319 tie INF CORR 613 25.1.201/IL/1349 tie INF CORR 703 tie INF CORR 742 25.1.201/IL/1632 25.1.201/MRH/1670 e-mails tie-BSC tie INF CORR 949 25.1.201/MRH/1966 INF CORR 1125 tie INF CORR 1131 25.1.201/MRH/2193 25.1.201/IL/2248 25.1.201/MRH/2280 tie INF CORR 1349/MP tie INF CORR 1416/MP 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC 25.1.201/WH/4205	1	1	1	0.5	I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	7	0
208			Leith Walk Christmas Embargo	04/11/2008	05/11/08 17/11/08 20/11/08 29/11/08 27/01/09 12/02/09 17/02/09 06/03/09 06/03/09 10/03/09 12/03/09 17/03/09 24/03/09 25/03/09 01/04/09 17/04/09 17/04/09 14/05/09 09/10/09 20/10/09 04/11/09	tie INF CORR 299 (a) 25.1.201/MRH/841 tie INF CORR 386 Email SS/IL Embargo Works 25.1.201/MRH/1036 25.1.201/GC/1408 25.1.201/CHBB/1592 25.1.201/CHBB/1766 tie INF CORR 848 tie INF CORR 905 25.1.201/CHBB/1963 tie INF CORR 1024 25.1.201/MRH/1968 tie INF CORR 966 25.1.201/CHBB/2076 25.1.201/CHBB/2153 tie INF CORR 1270/PD tie INF CORR 1271/PD 25.1.201/SK/P/01/2380 tie INF CORR 2603/FD 25.1.201/MRH/3842 tie INF CORR 2755/SJ	1		1		I	1	4	0	185,350	0	0	185,350	18,535	13,716	32,436	250,038	125,656	124,382	N/A		1B	0	
209			IFC Drawing changes - McDonald Road and Balfour Street Tram Stops	06/12/2008	13/11/08 19/11/08 20/01/09 23/01/09 22/04/09 29/04/09	25.1.201/IO/854 tie INF CORR 381 25.1.201/MRH/960 tie INF CORR 591 25.1.201/IO/1366 tie INF CORR 1302/DC 25.1.201/MRH/2451			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0	
210			IFC Drawing changes - Road, Street Lighting, Landscaping and Drainage Section 1B	06/12/2008	13/11/08 19/11/08 20/01/09	25.1.201/IO/855 tie INF CORR 375 25.1.201/MRH/962 tie INF CORR 593			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0	
211			IFC Drawing changes - Haymarket Tram Stop	06/12/2008	13/11/08 19/11/08 20/01/09 23/01/09 03/02/09 10/02/09 06/03/09 24/03/09 29/09/09 16/10/09 11/01/10 21/01/10	25.1.201/IO/856 tie INF CORR 376 25.1.201/MRH/958 tie INF CORR 589 25.1.201/IO/1347 25.1.201/JH/1464 SDS-IL/EN/130-SW-LET-01378 tie INF CORR 985 25.1.201/IO/2062 tie INF CORR 2442/WB 25.1.201/MRH/3824 tie INF CORR 3141/MP 25.1.201/MRH/4448			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2	0	
212			IFC Drawing changes - Roads and Street Lighting, Landscaping and Drainage Section 2A	06/12/2008	13/11/08 19/11/08 20/01/09 01/10/09 29/10/09 11/01/10 21/01/10 08/02/10 12/02/10	25.1.201/IO/857 tie INF CORR 377 25.1.201/MRH/959 tie INF CORR 590 25.1.201/IL/3666 tie INF CORR 2716/SJ tie INF CORR 3141/MP 25.1.201/MRH/4448 tie INF CORR 4006/SJ 25.1.201/IL/4658			1		M	1	1,2,3	0	326,681	0	0	326,681	incl	24,174	57,169	408,025	0	408,025	N/A	2	0		
213			IFC Drawing changes - Haymarket Station Substation	06/11/2008	13/11/08 13/11/08 19/11/08 02/02/09 09/04/09 17/04/09 04/09/09 19/11/09 11/01/10 21/01/10	25.1.201/IO/858 tie INF CORR 359 tie INF CORR 378 25.1.201/MRH/957 25.1.201/IO/1453 tie INF CORR 1197/MP 25.1.201/MRH/2325 tie INF CORR 2272/RB 25.1.201/GC/4064 tie INF CORR 3141/MP 25.1.201/MRH/4448			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2	0
214			Allow bus traffic to continue to run westbound along Princes Street during construction of tram track.	06/11/2008	11/11/08 28/11/08 18/03/09 07/04/09	tie INF CORR 340 25.1.201/MRH/894 25.1.201/MRH/1037 tie INF CORR 1023 25.1.201/MRH/2199			N/A		I	1	3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0	
215	30		Demolition and alteration of existing Bus Depot at Leith Walk	13/11/2008	09/12/08 30/01/09 19/02/09 24/02/09 25/02/09 27/03/09 14/04/09 30/07/09 08/02/10 12/02/10	25.1.201/IO/902 tie INF CORR 428 25.1.201/IO/1436 tie INF CORR 749 25.1.201/IO/1730 tie INF CORR 780 INF CORR 1113 25.1.201/IO/2279 25.1.201/IL/3175 tie INF CORR 4028/SB 25.1.201/MRH/4664	1	1	1		I	1	3	0	186,567	0	0	186,567	18,657	13,806	32,649	251,679	0	251,679	N/A	1B	0		
216		31	Discovery of alkathene water pipe above formation level - Chaining 265 RHS	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 31/03/09 16/04/09 22/04/09 29/04/09 08/05/09 16/10/09 22/10/09	25.1.201/MRH/914 tie INF CORR 404 25.1.201/MRH/1058 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1376 tie INF CORR 709 25.1.201/MRH/1665 25.1.201/DNCP/01/2081 tie INF CORR 1283/CB 25.1.201/MRH/2368 tie INF CORR 1349/MP tie INF CORR 1387/CB tie INF CORR 916/MP 25.1.201/MRH/3868	1		1	1	I	1	4	0	459	0	0	459	46	34	80	619	539	80	VPS	2	1B	539	



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value	
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total								
217			Discovery of Thus ducts above formation level and fouling kerb line - Chainage 250 RHS.	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 07/04/09 14/04/09 21/04/09 28/08/09	25.1.201/MRH/915 tie INF CORR 404 25.1.201/MRH/1059 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1377 tie INF CORR 710 25.1.201/MRH/1658 tie INF CORR 1082 25.1.201/MRH/2263 25.1.201/SK/2351 tie INF CORR 2187/PD	1				I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
218		32	Discovery of 2 No. LV and 1 No. LV cables above formation level - Chainage 182 RHS.	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 04/03/09 06/03/09 16/03/09 27/03/09 08/04/09 29/04/09 08/05/09 12/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09	25.1.201/MRH/916 tie INF CORR 404 25.1.201/MRH/1060 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1378 tie INF CORR 711 25.1.201/MRH/1666 25.1.201/DMC/P/01/1750 tie INF CORR 912 25.1.201/MRH/1935 INF CORR 1128 25.1.201/GC/2228 tie INF CORR 1349/MP tie INF CORR 1416/MP 25.1.201/SK/2596 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 tie INF CORR 2553/SC 25.1.201/WIM/4205	1	1	1	I	1	4	0	218	0	0	218	22	16	38	295	256	38	VPS	2	1B	256			
219	62		Discovery of Hydrant above formation level - Chainage 177 RHS	13/11/2008	20/11/08 01/12/08 18/12/08 01/05/09 28/08/09 08/10/09 01/02/10	25.1.201/MRH/917 tie INF CORR 404 25.1.201/MRH/1062 tie INF CORR 484 25.1.201/SK/2498 tie INF CORR 2188/PD 25.1.201/DM/3722 tie INF CORR 3286/SG		1	0			I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0
220		33	Discovery of Water connection pipework above formation level - Chainage 161 RHS	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 06/03/09 16/03/09 31/03/09 16/04/09 17/04/09 29/04/09 08/05/09 08/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09	25.1.201/MRH/918 tie INF CORR 404 25.1.201/MRH/1061 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1379 tie INF CORR 707 25.1.201/MRH/1667 tie INF CORR 911 25.1.201/MRH/1935 25.1.201/DMC/P/01/2079 tie INF CORR 1284/CB 25.1.201/MRH/2369 tie INF CORR 1349/MP tie INF CORR 1416/MP tie INF CORR 1387/CB 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC 25.1.201/WIM/4205	1	1	1	I	1	4	0	68	0	0	68	7	5	12	92	80	12	VPS	2	1B	80			
221			Discovery of MUDFA excavations containing water main and connections fouling the new kerb line - Chainage 125 RHS	13/11/2008	20/11/08 01/12/08 18/12/08 26/01/09 05/05/09	25.1.201/MRH/919 tie INF CORR 404 25.1.201/MRH/1063 tie INF CORR 529 tie INF CORR 600 25.1.201/IL/2525			N/A			I	1		0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
222		66	Discovery of valves and a hydrant fouling the new kerb line - Chainage 120 RHS	13/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 10/02/09 16/02/09 27/04/09 30/04/09 10/06/09	25.1.201/MRH/920 tie INF CORR 404 25.1.201/MRH/1064 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1380 tie INF CORR 712 25.1.201/MRH/1629 tie INF CORR 1310/CB 25.1.201/DMC/P/01/2489 tie INF CORR 1618/CB	1	1	1	I	1	4	0	627	0	0	627	63	46	110	845	618	228	VPS	2	1B	618			
223		34	Discovery of stone culvert - Chainage 100 RHS	17/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 04/03/09 06/03/09 16/03/09 27/03/09 07/04/09 08/04/09 29/04/09 08/05/09 12/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 30/11/09 09/12/09	25.1.201/MRH/921 tie INF CORR 411 25.1.201/MRH/1065 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1381 tie INF CORR 713 25.1.201/MRH/1668 25.1.201/DMC/P/01/1640 tie INF CORR 910 25.1.201/MRH/1935 INF CORR 1128 25.1.201/DMC/P/01/2096 25.1.201/GC/2228 tie INF CORR 1349/MP tie INF CORR 1416/MP 25.1.201/SK/2596 25.1.201/MRH/2658 tie INF CORR 2348/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC tie INF CORR 2927/CB 25.1.201/WIM/4205	1	1		I	1	4	0	951	0	0	951	95	70	166	1,283	1,018	266	VPS	2	1B	1,018			
224			Discovery of Scottish Power cables - Chainage 90 RHS	17/11/2008	20/11/08	tie INF CORR 411			N/A					0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
225		35	Repairs required to footpath to allow pedestrian access - Chainage 170 RHS	17/11/2008	27/11/08 09/01/09 20/01/09 26/01/09 25/02/09 29/04/09	25.1.201/MRH/923 tie INF CORR 438 25.1.201/IL/1266 tie INF CORR 587 25.1.201/IL/1370 tie INF CORR 781 tie INF CORR 1349/MP	1	1	1	I	1	4	0	264	0	0	264	0	20	46	329	283	46	N/A		1B	283			
226			Operational Design Review of Depot - changes arising	25/11/2008	20/02/09 11/03/09 10/07/09 30/07/09 31/07/09 24/11/09 06/01/10 08/01/10 02/02/10 11/02/10	tie INF CORR 400 tie INF CORR 767 25.1.201/JH/1897 SDS-ULE90130-06-LET-00144 SDS-ULE90130-SW-LET-01641 25.1.201/JH/3189 tie INF CORR 2854/DS 25.1.201/BOC/4325 25.1.201/BOC/4345 25.1.201/BOC/4542 25.1.201/JH/4638		1		D	1	1,2,3,4	26,415	0	0	0	26,415	2,641	1,955	0	31,011	0	31,011	N/A		6	0			



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
227			Operational Design Review of Haymarket - changes arising	25/11/2008	20/02/09 11/01/10 21/01/10	tie INF CORR 399 tie INF CORR 767 tie INF CORR 3141/MP 25.1.201/MRH/4448			0		D	1	1,2,3,4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2	0	
228			Relocation of bus stop outwith LOD at Princes Mall	01/12/08	25/11/08 09/12/08 12/12/08 30/01/09 03/03/09 05/03/09 23/03/09 01/04/09 16/04/09 23/04/09 24/04/09 06/05/09 08/05/09 11/05/09 07/07/09 20/07/09 26/01/10 04/02/10	SDS-ULE90130-SW-LET-01299 25.1.201/MRH/1044 tie INF CORR 483 25.1.201/MRH/1138 25.1.201/JH/1435 tie INF CORR 806 25.1.201/MRH/1812 tie INF CORR 1071 25.1.201/GC/2147 tie INF CORR 1266/DS 25.1.201/MRH/2381 SDS-ULE90130-SW-LET-01520 25.1.201/JH/2515 25.1.201/JH/2579 25.1.201/GC/2585 tie INF CORR 1716/DS 25.1.201/BOC/3096 25.1.201/JH/4502 25.1.201/JH/4565	1	1		I	1	4	380	1,381	0	0	1,761	38	130	0	1,929	0	1,929	N/A	1C	0			
229			NOT USED					0			M			0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A	0	
230			IFC Drawing Changes - Tower Bridge Structure	11/12/2008	06/03/09 18/03/09 10/06/09 29/06/09 28/07/09 28/08/09 28/08/09 04/09/09 24/09/09 09/10/10 19/10/09 06/11/09 12/11/09 13/11/09 25/11/09 30/11/09 15/01/10 15/01/10 09/02/10	25.1.201/IO/1132 tie INF CORR 899 25.1.201/MRH/1995 tie INF CORR 1612/C 25.1.201/IO/2966 25.1.201/IO/3148 tie INF CORR 2190/MB tie INF CORR 2191/MB tie INF CORR 2300/MP tie INF CORR 2421/ES 25.1.201/SK/3747 tie INF CORR 2639/ES tie INF CORR 2777/MB tie INF CORR 2848/MB 25.1.201/DM/4014 tie INF CORR 2883/MB tie INF CORR 2943/MB tie INF CORR 3175/MP tie INF CORR 3151/DS 25.1.201/CBR/4562	1	1		M	1	1,2,3	0	476,668	0	0	476,668	35,273	83,417	0	595,358	-2,706	598,064	N/A	1A	0			
231			IFC Drawing Changes - Section 1C drainage	12/12/2008	13/01/09 23/01/09 18/02/09 23/02/09 05/03/09 17/04/09 17/04/09 23/04/09 04/09/09 22/09/09 25/01/10 29/01/10	25.1.201/IO/1143 tie INF CORR 581 25.1.201/IO/1346 tie INF CORR 533 25.1.201/MRH/1711 25.1.201/IO/1804 tie INF CORR 1268/PD tie INF CORR 1267/PD 25.1.201/MRH/2373 tie INF CORR 2279/PD 25.1.201/MRH/3544 tie INF CORR 3194/PD 25.1.201/MRH/4519		0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0		
232			IFC Drawing Changes - Section 1C road design	12/12/2008	13/01/09 05/03/09 17/04/09	25.1.201/IO/1144 tie INF CORR 581 25.1.201/IO/1806 tie INF CORR 1269/PD		0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0		
233			IFC Drawing Changes - Section 1C lighting layout	12/12/2008	13/01/09 05/03/09 12/03/09 18/03/09 29/04/09 07/05/09 01/10/09 19/10/09 08/02/10	25.1.201/IO/1145 tie INF CORR 581 25.1.201/IO/1805 tie INF CORR 981 25.1.201/IO/1957 tie INF CORR 1318/GB 25.1.201/IL/2554 tie INF CORR 2529/PD 25.1.201/IL/3829 tie INF CORR 3379/SB		0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0		
234		89	Leith Walk (Section 1B) Groundworks - Move THUS ducts fouling kerbline to new loading bay - Ch 345 - 365	17/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 06/03/09 16/03/09 17/04/09 08/05/09 18/05/09 12/06/09 28/07/09 11/09/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09	25.1.201/GC/943 tie INF CORR 411 25.1.201/MRH/1067 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1383 tie INF CORR 714 25.1.201/MRH/1669 tie INF CORR 909 25.1.201/MRH/1935 25.1.201/DMcP/01/1791 tie INF CORR 1416/MP 25.1.201/MRH/2658 tie INF CORR 1651/CB 25.1.201/SK/P/01/3147 tie INF CORR 2348/SC tie INF CORR 2211/CB 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC 25.1.201/WIM/4205	1	1	1	I	1	4	0	4,864	0	0	4,864	486	360	851	6,562	6,562	0	VPS	2	1B	6,562		
235			Leith Walk (Section 1B) Groundworks - Move BT ducts fouling kerbline to new loading bay Ch 345 - 365	17/11/2008	20/11/08 01/12/08 12/12/08 18/12/08 20/01/09 26/01/09 12/02/09 20/02/09 15/04/09 05/10/09 20/10/09	25.1.201/GC/944 tie INF CORR 411 25.1.201/MRH/1068 tie INF CORR 485 25.1.201/IL/1207 tie INF CORR 612 25.1.201/IL/1383 tie INF CORR 715 25.1.201/MRH/1659 e-mail SK-MRH tie INF CORR 2562/FD 25.1.201/MRH/3843	1	1		I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1B	0	
236			Options for drainage outfall consent at the Airport	04/12/08	15/09/08 17/11/08 26/11/08 17/02/09 25/02/09 03/03/09 20/03/09 14/04/09 16/04/09	SDS-ULE90130-07-00372 25.1.201/BOC/942 tie INF CORR 418 25.1.201/BOC/1086 25.1.201/BOC/1636 tie INF CORR 782 25.1.201/BOC/1785 25.1.201/BOC/2127 tie INF CORR 1235/DS tie INF CORR 1262/MB		0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0		
237		10	Move site boundary fencing at Haymarket Car Park to facilitate transfer of rugby supporters on 08 and 15/11/08.	13/11/2008	10/12/08 17/12/08	tie INF CORR 361 25.1.201/IL/1120 tie INF CORR 536	1	1	1	I	1	4	0	791	0	0	791	0	59	138	988	850	138	VPS	1	2A	850		
238		67	Temporary Traffic Lights opposite Manderston Street required because MUDFA works are incomplete	12/12/2008	12/12/08 23/01/09 30/01/09 06/02/09 12/02/09 20/02/09 31/03/09 03/04/09 09/04/09 26/06/09 04/09/09 16/12/09	25.1.201/GC/956 25.1.201/MRH/1147 tie INF CORR 626 tie INF CORR 608 25.1.201/MRH/1500 tie INF CORR 718 25.1.201/MRH/1690 25.1.201/DMcP/01/2077 tie INF CORR 1144 tie INF CORR 1201/CB 25.1.201/KDR/2561 tie INF CORR 2286/CB tie INF CORR 3059/FD/ICE138	1	1	1	I	1	4	0	11,182	0	0	11,182	1,118	827	1,957	15,085	15,085	0	N/A	1B	15,085			



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	Section See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
239		29	Additional Trial Holes at CH145 - CH160 (Section 1B)	20/11/2008	09/12/08	25.1.201/GC/975 INF CORR 980	1	1	0		I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2	1B	0
240			Removal and Reinstatement of BT Phone Box	05/01/2009	09/12/08	25.1.201/MRH/1047 25.1.201/GC/1164 tie INF CORR 513 18/12/08 tie INF CORR 532 19/12/08 25.1.201/GC/1227 22/12/08 25.1.201/MRH/1236 26/01/09 tie INF CORR 599 26/01/09 tie INF CORR 627 11/02/09 25.1.201/L/1550 04/03/09 25.1.201/GC/1795 12/03/09 tie INF CORR 987 05/05/09 25.1.201/L/2532 12/06/09 tie INF CORR 1653/CB 23/06/09 25.1.201/L/2909 07/07/09 tie INF CORR 1736/ES 13/07/09 25.1.201/L/3050 01/10/09 tie INF CORR 2531/PD 16/10/09 25.1.201/L/3819 25/01/10 tie INF CORR 3195/PD 27/01/10 25.1.201/AHO/4497 08/02/10 tie INF CORR 4430/SB			1		M	1	4	0	6,129	0	0	6,129	613	454	1,073	8,267	0	8,267	VPS	2	1B	0	
241			MUDFA has commenced works on Bankhead Drive preventing Infracore progress in the area until its works are complete.	20/11/2008	12/12/08	25.1.201/GC/986 25.1.201/MRH/1149 tie INF CORR 609 06/02/09 25.1.201/MRH/1501 06/03/09 tie INF CORR 841 16/03/09 25.1.201/MRH/1934 20/03/09 25.1.201/BCW/2035 14/04/09 tie INF CORR 1232/TC 14/04/09 tie INF CORR 1231/MP 06/05/09 25.1.201/BCW/2543 08/05/09 tie INF CORR 1396/MP 15/05/09 25.1.201/MRH/2630 01/08/09 tie INF CORR 1800/TC 16/12/09 tie INF CORR 3060/FDICE139			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0
242		111	TRO Presentations by SDS to the public during September 2008 and changes to drawings arising from the consultation process.	20/11/08	18/11/08	SDS-ULE90130-SW-LET-01274 25.1.201/MRH/985 SDS-ULE90130-01-LET-0861 21/11/08 SDS-ULE90130-SW-LET-01289 04/02/09 25.1.201/JHI/1462 04/02/09 25.1.201/JHI/1461 25/02/09 SDS-ULE90130-SW-LET-01412 25/02/09 SDS-ULE90130-SW-LET-01413 11/03/09 tie INF CORR 969 16/03/09 25.1.201/BOC/1946 18/03/09 25.1.201/JHI/2009 14/05/09 tie INF CORR 1466/AS 31/07/09 SDS-ULE90130-SW-LET-01645 07/08/09 25.1.201/JHI/3243 25/09/09 tie INF CORR 2451/DS 05/10/09 25.1.201/BOC/3699 08/10/09 SDS-ULE90130-SW-LET-01751 12/10/09 25.1.201/CBR/3750 12/10/09 25.1.201/CBR/3753 15/10/09 25.1.201/JHI/3790 04/11/09 tie INF CORR 2737/DC 10/11/09 25.1.201/JHI/3983 25/11/09 tie INF CORR 2908/DF 11/01/10 tie INF CORR 3118/DS 14/01/10 25.1.201/CBR/4389	1	1	1	D	1	1	20,000	0	0	0	20,000	2,000	1,480	0	23,480	23,480	0	N/A	All	23,480			
243		68	Forth Ports Substation - lack of as-built information	24/11/2008	21/11/08	SDS-ULE90130-01-LET-0880 25.1.201/MRH/1000 tie INF CORR 445 05/12/08 25.1.201/BOC/1093 10/02/09 SDS-ULE90130-SW-LET-01379 12/02/09 25.1.201/BOC/1566 27/03/09 tie INF CORR 1096 07/04/09 25.1.201/JHI/2181 10/06/09 tie INF CORR 1630/DC 12/06/09 25.1.201/JHI/2853	1	1	1	I	1	1	6,665	0	0	0	6,665	666	493	0	7,824	7,824	0	N/A	1A	7,824			
244			Building Fixing Owner Agreements - Information required to support Court Proceedings (Clause 20.8 of Infracore Contract).	26/11/2008	28/11/08	tie INF CORR 427 25.1.201/MRH/1021 SDS-ULE90130-01-LET-00894 15/12/08 25.1.201/BOC/1169 08/01/09 tie INF CORR 570 20/01/09 SDS-ULE90130-01-LET-00917 23/01/09 25.1.201/BOC/1350 26/01/09 25.1.201/BOC/1369 28/01/09 SDS-ULE90130-01-LET-00924 28/01/09 SDS-ULE90130-SW-LET-01354 04/02/09 25.1.201/JHI/1463 10/02/09 SDS-ULE90130-SW-LET-01379 12/02/09 25.1.201/BOC/1579 12/02/09 tie INF CORR 745 12/02/09 tie INF CORR 719 20/02/09 25.1.201/MRH/1682 27/03/09 tie INF CORR 1093 03/04/09 25.1.201/JHI/2171 06/10/09 tie INF CORR 2565/GM 15/10/09 25.1.201/KDR/3802 22/10/09 tie INF CORR 2645/GM 19/11/09 25.1.201/KDR/063 09/12/09 25.1.201/JHI/4200	1	1		I	1	4	14,645	0	0	0	14,645	1,465	1,084	0	17,193	0	17,193	VPS	1	All	0		
245			Accommodation Works SRU Murrayfield - Major Event Notification	03/12/2008	05/12/08	tie INF CORR 380 25.1.201/MRH/1099 tie INF CORR 510 16/12/08 25.1.201/MRH/1194 16/12/08 25.1.201/MRH/1185 06/03/09 tie INF CORR 900 20/03/09 25.1.201/MRH/2029 15/05/09 25.1.201/L/2638 26/08/09 tie INF CORR 2127/MP 16/09/09 25.1.201/MRH/2521			N/A		I	4	3	0	0	0	0	0	0	0	0	0	0	0	0	VPS	1	5A	0
246			Notified Departure due to the issue of SDS Design programme V36.	10/12/2008	19/03/09	25.1.201/GC/1121 tie INF CORR 1059 06/04/09 25.1.201/GC/2165 08/07/09 25.1.201/BOC/3021 23/10/09 tie INF CORR 1961/DC 01/02/10 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
247			Notified Departure due to the issue of SDS Design programme V37.	10/12/2008	19/03/09	25.1.201/GC/1122 tie INF CORR 1059 08/07/09 25.1.201/BOC/3021 23/10/09 tie INF CORR 1961/DC 01/02/10 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
248			Notified Departure due to the issue of SDS Design programme V38.	10/12/2008	19/03/09	25.1.201/GC/1123 tie INF CORR 1059 08/07/09 25.1.201/BOC/3021 23/10/09 tie INF CORR 1961/DC 01/02/10 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
249			Notified Departure due to the issue of SDS Design programme V39.	10/12/2008	19/03/09	25.1.201/GC/1124 tie INF CORR 1059 08/07/09 25.1.201/BOC/3021 23/10/09 tie INF CORR 1961/DC 01/02/10 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
250			Leith Walk - Chainages 100-350 - additional work carried out during 'embargo' period	27/04/2009	22/05/09 04/09/09 06/11/09	25.1.201/GC/2428 25.1.201/DM/01/2646 tie INF CORR 2280/PD tie INF CORR 2268/CB tie INF CORR 2771/SJ			1		M	1	3,4	0	48,949	0	0	0	48,949	4,895	3,622	8,566	66,032	0	66,032	N/A	1B,1C	0	
251			IFC Drawing Changes - Section 1C OLE Layout	12/12/2008	25/02/09 04/03/09 23/03/09 24/03/09 01/04/09 21/04/09	25.1.201/IO/1148 tie INF CORR 783 25.1.201/MRH/1792 tie INF CORR 1072 tie INF CORR 1069 25.1.201/GC/2152 tie INF CORR 1285/SB			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0	
252			IFC Drawing Changes - Section 1C Track Horizontal Alignment	12/12/2008	25/02/09 03/03/09 10/03/09 25/03/09 14/04/09	25.1.201/IO/1150 tie INF CORR 784 25.1.201/MRH/1782 tie INF CORR 656 25.1.201/MRH/2082 25.1.201/MRH/2278			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0	
253			IFC Drawing Changes - Section 1C Track Vertical Alignment	12/12/2008	12/01/09 05/03/09 07/04/09 20/04/09 11/09/09 05/10/09 13/11/09 17/11/09 08/02/10	25.1.201/IO/1151 tie INF CORR 567 25.1.201/IO/1807 tie INF CORR 1157 25.1.201/MRH/2339 tie INF CORR 2288/WB 25.1.201/IL/3693 tie INF CORR 2801/WB 25.1.201/MRH/4033 tie INF CORR 4013/SG			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0	
254			IFC Drawing Changes - Section 1C Traffic Management	12/12/2008	06/03/09 24/03/09 02/04/09 07/05/09 28/08/09 17/09/09 22/09/09	25.1.201/IO/1153 tie INF CORR 862 25.1.201/IO/2063 tie INF CORR 1158 25.1.201/IO/2559 tie INF CORR 2173/CB 25.1.201/IL/3527 25.1.201/MRH/3545			N/A		M			0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0	
255			Removal by others of materials from central reserve on Princes Street	12/12/2008	25/02/09	25.1.201/GC/1141 tie INF CORR 781			0			1	3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C,1D	0	
256			Additional Trial Holes at Leith Walk - Chainages 145 to 160	09/12/2008		tie INF CORR 481			N/A					0	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0	
257	28	44	Feasibility Study (Design Only) Forth Ports access to ADM Milling	09/12/2008	02/12/08 12/12/08 12/12/08 17/12/08 12/01/09 20/01/09 29/01/09 09/02/09 10/02/09 18/02/09 27/02/09 05/03/09 23/03/09 02/04/09 03/04/09 08/04/09 16/04/09 20/04/09 21/04/09 29/04/09 07/05/09 08/05/09 20/05/09 28/07/09 28/08/09 28/08/09	25.1.201/MRH/1074 tie INF CORR 480 25.1.201/MRH/1074 25.1.201/JHI/1156 24.1.201/JHI/1196 tie INF CORR 572 25.1.201/BOC/1305 tie INF CORR 651 25.1.201/BOC/1523 SDS-ULE90130-SW-LET-01381 25.1.201/BOC/1646 tie INF CORR 794 25.1.201/BOC/1799 25.1.201/BOC/2041 tie INF CORR 1148 SDS-ULE90130-SW-LET-01499 25.1.201/JHI/2219 tie INF CORR 1257/DS 25.1.201/BOC/2336 25.1.201/JHI/2348 tie INF CORR 1349/MP SDS-ULE90130-01-LET-01018 tie INF CORR 1400/MP 25.1.201/BOC/2685 tie INF CORR 1858/DS tie INF CORR 2221/MB tie INF CORR 2109/MB		1	1	1	1	I	1	1	1,384	0	0	0	1,384	138	102	0	1,625	1,625	-0	N/A	1A	1,625	
258	27		Accommodation Works Future Proofing on behalf of New Ingliston Limited and Highland Properties Limited (Scotland).	09/12/2008	12/12/08 12/12/08 30/01/09 04/02/09 25/02/09 18/03/09 23/03/09 30/03/09 03/04/09 08/04/09 09/04/09 24/04/09 28/04/09 29/04/09 04/05/09 05/05/09 06/05/09 06/05/09 07/05/09 22/05/09 29/05/09 01/06/09 19/06/09 26/06/09 16/07/09 05/08/09 28/08/09 28/08/09 31/08/09 17/09/09 17/09/09	25.1.201/MRH/1146 25.1.201/JHI/1157 tie INF CORR 646 25.1.201/MRH/1475 ULE90130-SW-LET-01407 SDS-ULE90130-SW-LET-01463 25.1.201/JHI/2045 25.1.201/IL/2128 SDS-ULE90130-SW-LET-01497 25.1.201/IL/2217 tie INF CORR 1182/GM SDS-ULE90130-SW-LET-01518 25.1.201/IL/2466 tie INF CORR 1348/GMc tie INF CORR 1373/MG 25.1.201/JHI/2518 25.1.201/IL/2541 25.1.201/IL/2542 25.1.201/IL/2555 tie INF CORR 1482/GMcG 25.1.201/BOC/2763 25.1.201/IL/2766 tie INF CORR 1481/GMcG 25.1.201/JHI/2950 tie INF CORR 1784/GMcG ETN(BSC)TIE&ABC#053591 tie INF CORR 2150/GMcG tie INF CORR 2152/GMcG ETN(REL)TIE-PASTE&ABC#053659 25.1.201/IL/3530 tie INF CORR 2361/GMcG		1	1	1		I	4	1,2,3	40,922	934,155	33,221	0	1,008,297	4,092	72,156	163,477	1,248,022	1,047,954	200,068	VPS	1	7	0
259		72a	Cycleway at Edinburgh Park Station repositioned outwith the LOD	12/12/08	11/09/08 06/10/08 10/12/08 20/10/08 21/11/08 15/12/08 30/01/09 06/03/09 24/03/09 03/04/09 14/04/09 16/04/09 23/04/09 04/05/09 07/05/09 13/05/09 15/06/09 22/06/09 16/10/09	SDS-ULE90130-05-LET-00327 25.1.201/MRH/615 INF CORR 247 SDS-ULE90130-05-LET-00364 25.1.201/MRH/1152 25.1.201/BOC/1166 tie INF CORR 850 25.1.201/JHI/994 25.1.201/JHI/1432 25.1.201/BOC/2119 SDS-ULE90130-05-LET-00383 25.1.201/JHI/2270 tie INF CORR 1266/DS 25.1.201/MRH/2381 tie INF CORR 1376/DS 25.1.201/IL/2220 25.1.201/JHI/2607 tie INF CORR 1657/DC 25.1.201/IL/2889 tie INF CORR 2634/DC		1	1	1	M	1	1,2,3	11,867	30,556	0	0	42,422	1,187	3,139	5,347	52,095	52,095	0	N/A	5B	52,095		



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
260	34	36	Relocate existing Control Box - Section 1B	12/12/2008	12/01/09 23/01/09 23/01/09 12/02/09 06/03/09 26/03/09 27/03/09 08/04/09 29/04/09 08/05/09 12/05/09	25.1.201/GC/1158 tie INF CORR 569 25.1.201/IL/1351 tie INF CORR 623 25.1.201/SK/P/01/1471 tie INF CORR 901 25.1.201/SK/P/01/2094 INF CORR 1128 25.1.201/GC/2228 tie INF CORR 1349/MP tie INF CORR 1434/MP 25.1.201/SK/2596	1	1	1	1	I	1	4	0	1,086	0	0	1,086	109	80	190	1,465	1,110	355	N/A	1B	1,110		
261			IFC Drawing Changes - Section 1B - Balfour Street Tram Stop	12/12/2008	16/03/09 07/05/09	25.1.201/IO/1159 tie INF CORR 989 25.1.201/IO/2559	1		0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0		
262			IFC Drawing Changes - Section 5B - Track Drainage	02/03/2009	12/03/09 15/04/09 18/06/09 27/07/09 13/11/09 19/11/09 16/12/09 12/01/10 14/01/10 27/01/10 03/02/10 09/02/10	25.1.201/IL/1767 tie INF CORR 996 25.1.201/IL/2014 tie INF CORR 1686/TC 25.1.201/IL/1243 tie INF CORR 2808/TC 25.1.201/GA/4058 25.1.201/SN/4250 25.1.201/GA/4366 25.1.201/KDR/4384 tie INF CORR 3283/GCN 25.1.201/CBR/4561 25.1.201/CBR/4622			1		M	1	1,2,3	0	1,153,260	0	0	1,153,260	incl	85,341	201,821	1,440,422	0	1,440,422	N/A	5B	0		
263			IFC Drawing Changes - Section 1A - Victoria Dock Bridge	15/12/2008	06/03/09 13/03/09 27/03/09 07/05/09 10/06/09	25.1.201/IO/1170 tie INF CORR 845 25.1.201/MRH/1926 INF CORR 1085 25.1.201/IO/2560 tie INF CORR 1613/C			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0	
264			IFC Drawing Changes - Earthworks General Arrangement - Section 1	07/05/2009	31/08/09 11/09/09 30/09/09 16/10/09	25.1.201/IO/2561 25.1.201/KDR/3400 tie INF CORR 2332/MB 25.1.201/SN/3642 tie INF CORR 2407/RB			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	1A,1B,1C,1D	0		
265			Accommodation Works Section 2A Access Retaining Wall - Verity House	18/12/2008	23/02/09 11/03/09 17/03/09 07/04/09 14/04/09 20/08/09 29/09/09 13/11/09 18/11/09 11/01/10 13/01/10	25.1.201/IO/1212 25.1.201/IL/1639 tie INF CORR 941 25.1.201/IL/1954 tie INF CORR 1151 25.1.201/IL/2275 tie INF CORR 2089/MP 25.1.201/MRH/3632 tie INF CORR 2841/JO 25.1.201/MRH/4046 tie INF CORR 3125/JO tie INF CORR 3153/JO	1		1		M	4	1,2,3	0	58,016	0	0	58,016	0	4,293	10,153	72,462	22,171	50,291	VPS	2	0		
266		25	Undertake Monthly Track Monitoring of Network Rail Infrastructure on East Coast North Line in vicinity of Gogar Depot	16/12/2008	19/12/08 17/02/08 26/02/09 26/02/09 27/02/09 03/03/09 05/03/09 11/03/09 27/03/09 29/04/09	tie INF CORR 525 25.1.201/GC/1224 25.1.201/GC/1534 tie e-mail BB e-mail tie INF CORR 792 25.1.201/GC/1784 25.1.201/GC/1813 E-mail tie-BSSC 25.1.201/GC/1813 tie INF CORR 1108 tie INF CORR 1334/WB	1		1	1	I	1	3	0	3,980	0	0	3,980	398	295	697	5,369	4,673	697	N/A	6	4,673		
267			Carry out Scottish Water Diversion at Gogar Roundabout	18/12/2008	05/01/09 05/01/09 09/01/09 09/01/09 12/01/09 28/01/09 06/02/09 08/05/09 20/05/09 26/06/09 04/08/09 13/08/09 01/09/09 22/10/09	tie INF CORR 498 25.1.201/MRH/1234 25.1.201/MRH/1238 25.1.201/IL/1260 25.1.201/IL/1261 25.1.201/IL/1269 tie INF CORR 647 25.1.201/MRH/1497 tie INF CORR 1428/AS 25.1.201/IL/2556 25.1.201/IL/2928 25.1.201/IL/3218 tie INF CORR 2022/GMcG 25.1.201/IL/3396 tie INF CORR 2646/GMcG	1		1		M	1	3	0	75,738	0	0	75,738	7,574	5,605	13,254	102,170	39,537	62,633	VPS	5C	0		
268		133	Carry out Scottish Power Diversion at Gogar Roundabout	18/12/2008	05/01/09 05/01/09 12/01/09 15/01/09 20/01/09 26/01/09 29/01/09 30/01/09 06/02/09 06/02/09 18/02/09 23/02/09 04/03/09 06/03/09 16/03/09 27/03/09 03/04/09 08/05/09 18/05/09 11/09/09 17/09/09 16/10/09 23/10/09 09/12/09 10/12/09 22/12/09 18/01/10 01/02/10	tie INF CORR 497 25.1.201/MRH/1235 25.1.201/MRH/1239 tie INF CORR 579 25.1.201/IL/1269 tie INF CORR 605 25.1.201/MRH/1388 tie INF CORR 648 tie INF CORR 625 25.1.201/MRH/1496 25.1.201/MRH/1502 tie INF CORR 765 25.1.201/MRH/1706 25.1.201/IL/1794 tie INF CORR 907 25.1.201/MRH/1935 tie INF CORR 1127 tie INF CORR 1145 tie INF CORR 1416/MP 25.1.201/MRH/2658 tie INF CORR 2349/SC 25.1.201/MRH/3535 25.1.201/MRH/3823 tie INF CORR 2553/SC 25.1.201/WIM/4205 25.1.201/CF/4221 tie INF CORR 3867/GMcG 25.1.201/CF/4395 tie INF CORR 3263/SG	1		1	1	M	1	3	0	52,691	0	0	52,691	4,352	3,899	9,221	70,163	70,163	-0		VPS	5C	70,163	
269		20	Instructions arising from Trackform Development Workshop	18/12/2008	07/01/09 07/01/09 29/01/09 06/02/09 11/02/09 13/02/09 18/02/09 27/02/09 26/05/09 29/07/09	tie INF CORR 548 25.1.201/BOC/1245 25.1.201/BOC/1249 SDS-ULE/0130-SIW-LET-01360 25.1.201/BOC/1510 25.1.201/BOC/1561 tie INF CORR 756 25.1.201/JHI/1647 25.1.201/JHI/1796 25.1.201/BOC/2724 25.1.201/JHI/3156	1		1	1	I	1	1,2,3	316,063	0	0	0	316,063	31,606	23,389	0	371,058	371,058	0	N/A	All	371,058		



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														£ Submitted	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psum or VE	Number						
279		84	West Piton Tram stop	29/01/2009	29/01/09 12/02/09 27/02/09 13/03/09 18/03/09 23/03/09 25/03/09 26/03/09 30/04/09 06/05/09 23/06/09 26/06/09 29/07/09 31/07/09	25.1.201/JH1/1428 25.1.201/JH1/1425 tie INF CORR 739 SDS-ULE90130-05-LET-00370 25.1.201/BOC/1931 SDS-ULE90130-03-LET-00270 SDS-ULE90130-SW-LET-01471 25.1.201/BOC/2072 25.1.201/JH2091 tie INF CORR 1362/DS 25.1.201/JH/2540 SDS-ULE90130-SW-LET-01597 25.1.201/JH/2948 tie INF CORR 1873/DC 25.1.201/BOC/3182	1		1	D	1	3	732	0	0	0	732	73	54	0	859	859	0	N/A	3	859		
280			Change to demarcation requirements	28/01/09 19/02/09	13/01/09 19/02/09 26/02/09 03/03/09 10/03/09 18/03/09 18/03/09 23/03/09 24/03/09 14/04/09 29/04/09 01/06/09 28/07/09 21/12/09 07/01/10	25.1.201/BOC/1421 tie INF CORR 577 25.1.201/JH/1879 25.1.201/JH/1681 SDS-ULE90130-SW-LET-01395 tie INF CORR 804 25.1.201/BOC/1903 tie INF CORR 960 25.1.201/JH/1371 SDS-ULE90130-SW-LET-01464 ULE90130-01-LET-00972 25.1.201/JH/2047 25.1.201/JH/2271 SDS-ULE90130-01-LET-01005 tie INF CORR 1566/DS tie INF CORR 1862/DS SDS-ULE90130-SW-LET-01825 25.1.201/BOC/4329			N/A	D	1	1	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
281			Revised proposals for Cathedral Lane Sub-station	22/01/2009	27/01/09 28/01/09 03/03/09 06/03/09 12/03/09 12/03/09 18/03/09 18/03/09 09/04/09 16/04/09 17/04/09 21/04/09 23/04/09 23/04/09 19/06/09 22/07/09 31/07/09 04/08/09 28/08/09 03/09/09 05/10/09 30/10/09 11/12/09	tie INF CORR 628 25.1.201/MRH/1404 SDS-ULE90130-01-LET-00927 tie INF CORR 803 SDS-ULE90130-01-LET-00960 25.1.201/JH/1906 tie INF CORR 876 25.1.201/MRH/1972 25.1.201/BOC/1975 tie INF CORR 1204/MP tie INF CORR 1266/DS SDS-ULE90130-01-LET-00996 25.1.201/MRH/2350 25.1.201/JH/2371 25.1.201/MRH/2381 tie INF CORR 1692/RB 25.1.201/JH/3041 tie INF CORR 1895/DS 25.1.201/MRH/3205 tie INF CORR 2195/DS 25.1.201/JH/3419 25.1.201/IL/3692 SDS-ULE90130-01-LET-01066 25.1.201/BOC/4235	1		0	I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0
282		128	Request for instruction to deal with Japanese Knotweed at rear of First Scotrail Haymarket Depot - Retaining Wall W4	28/01/2009	17/03/09 08/04/09 12/06/09 13/08/09 11/01/10 21/01/10 22/01/10	25.1.201/GC/1415 APP 244534 (CEC) tie INF CORR 1216 25.1.201/DMcP/01/2683 tie INF CORR 2021/JO tie INF CORR 3141/MP 25.1.201/MRH/4448 tie INF CORR 3189/CB	1		1	M	1	3,4	0	18,001	0	0	18,001	1,800	1,332	3,150	24,283	24,283	0	N/A	2	24,283		
283			Edinburgh Park Bridge (S27) - Pier 3 Base Formation	29/01/2009	12/02/09 12/03/09 17/03/09 04/06/09	25.1.201/MRH/1589 tie INF CORR 997 25.1.201/MRH/1968 25.1.201/CF/2751			1	M	1	3,4	0	7,914	0	0	7,914	791	586	1,385	10,676	0	10,676	N/A	5B	0		
284			Russel Road Retaining Wall 4 - Options Report	30/01/2009	12/05/09	25.1.201/GC/1445 tie INF CORR 451/GMcG			0	M	1	3,4	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0		
285			Notified Departure due to the issue of SDS Design programme V40.	02/02/2009	02/02/09 12/03/09 17/03/09 08/07/09 23/10/09 01/02/10	25.1.201/GC/1449 25.1.201/GC/1450 tie INF CORR 961 25.1.201/MRH/1968 25.1.201/BOC/2021 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A	M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
286			NOT USED																									
287			Forth Ports Traffic Signal - Section 1A4 - Widened Crossing required	06/02/2009	02/02/2009 06/02/09 26/02/09 24/03/09 21/07/09 24/07/09	SDS-ULE90130-01-LET-00929 25.1.201/BOC/1507 25.1.201/JH/1511 SDS-ULE90130-01-LET-00938 25.1.201/JH/2048 tie INF CORR 1814/DS 25.1.201/BOC/3131	1		1	M	1	1,2,3	8,158	0	0	8,158	816	604	0	9,577	0	9,577	N/A	1A	0			
288	19	19	Deviation Road Rail vehicle payload	26/11/08 23/01/09	26/11/08 23/01/09	ETN(BSC)TEABC#050188 ETN(BSC)TEABC#050359 tie INF CORR 511	1	1	1	I			0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
289			Cycleway change at Hawthornevale - Section 1A4	09/02/2009	28/01/09 09/02/09 10/02/09 12/03/09 17/03/09 28/07/09 20/08/09 11/09/09 19/10/09 22/10/09 11/12/09 16/12/09 06/01/10	SDS-ULE90130-01-LET-00925 25.1.201/BOC/1517 25.1.201/MRH/1524 25.1.201/JH/1541 tie INF CORR 999 25.1.201/MRH/1968 tie INF CORR 1857/DS 25.1.201/BOC/3326 SDS-ULE90130-01-LET-01044 SDS-ULE90130-01-LET-01081 25.1.201/JH/3863 25.1.201/BOC/4235 tie INF CORR 3052/DS/CE183 25.1.201/MRH/4322	1		1	D	1	1	35,398	0	0	35,398	3,540	2,619	0	41,557	0	41,557	N/A	1A	0			
290			CAF - Air Supply	10/02/2009	10/02/2009	CAF-ETN-0109			0				0	0	0	0	0	0	0	0	0	0	0		6	0		
291			CAF - Lifting System	10/02/2009	10/02/2009	CAF-ETN-0110			0				0	0	0	0	0	0	0	0	0	0	0		6	0		
292			Additional Ramp / Steps at Lindsay Road Retaining Wall - Section 1A4	09/02/2009	28/01/09 09/02/09 10/02/09 12/03/09 17/03/09 19/03/09 23/03/09 30/03/09 08/05/09 17/06/09 19/06/09 29/10/09 10/11/09 10/11/09 24/11/09 03/12/09 09/12/09 16/12/09	SDS-ULE90130-01-LET-00926 25.1.201/BOC/1518 25.1.201/MRH/1525 25.1.201/JH/1540 tie INF CORR 1000 25.1.201/MRH/1968 tie INF CORR 1038 SDS-ULE90130-01-LET-00973 25.1.201/JH/2129 25.1.201/SN/2587 SDS-ULE90130-SW-LET-01593 25.1.201/JH/2991 tie INF CORR 2721/DS 25.1.201/JH/3982 25.1.201/JH/3981 tie INF CORR 2859/MB 25.1.201/MRH/4161 SDS-ULE90130-01-LET-01091 tie INF CORR 3055/DS/CE184	1		0	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0	



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
293		37	Gogar Castle Road tree felling	09/02/2009	17/02/09 24/03/09 31/03/09 09/04/09 17/04/09 29/04/09 08/05/09	25.1.201/GC/1520 25.1.201/GC/1543 tie INF CORR 1070 25.1.201/GC/2143 tie INF CORR 1223/CB 25.1.201/MRH/2321 tie INF CORR 1349/MP tie INF CORR 1442/CB	1		1	M	1	3.4	0	990	0	0	990	99	73	173	1,336	1,162	173	N/A	7A	1,162			
294		38	Reinstate access ramp at Gogar Depot	09/02/2009	06/03/09 11/03/09 18/03/09 30/03/09 08/04/09 29/04/09	25.1.201/GC/1521 tie INF CORR 861 25.1.201/ID/1787 25.1.201/MRH/1996 INF CORR 1111 25.1.201/GC/2229 tie INF CORR 1349/MP	1		1	M	1	4	7,845	0	0	0	7,845	incl	581	1,373	9,799	8,507	1,292	N/A	7A	8,507			
295		30	Carry out works to protect existing SGN gas main at Culvert 2	09/02/2009	09/02/09 11/03/09 17/03/09 23/03/09 29/04/09	25.1.201/GC/1522 25.1.201/MRH/1526 tie INF CORR 1001 25.1.201/MRH/1968 25.1.201/IL/1901 tie INF CORR 1349/MP	1		1	M	1	3.4	0	13,182	0	0	13,182	incl	941	2,307	16,430	14,123	2,307	VPS	7A	14,123			
296		39	Formation Level of Gogarburn Bridge West Abutment	11/02/2009	12/02/09 05/03/09 12/03/09 17/03/09 24/03/09 27/04/09 29/04/09	25.1.201/GC/1555 25.1.201/MRH/1585 25.1.201/ID/1746 tie INF CORR 1003 25.1.201/MRH/1968 tie INF CORR 1067 E-mail BSC-tie tie INF CORR 1349/MP	1		1	M	1	3.4	0	10,761	0	0	10,761	0	796	1,883	13,440	11,557	1,883	N/A	7A	11,557			
297		40	Formation Level of Gogarburn Bridge East Abutment	11/02/2009	12/02/09 05/03/09 12/03/09 13/03/09 17/03/09 27/04/09 29/04/09	25.1.201/GC/1556 25.1.201/MRH/1586 25.1.201/TG/1563 tie INF CORR 1002 E-mail BSC-tie 25.1.201/MRH/1968 E-mail BSC-tie tie INF CORR 1349/MP	1		1	M	1	3.4	0	6,778	0	0	6,778	0	502	1,186	8,466	7,280	1,186	N/A	7A	7,280			
298			Revised access arrangements to Depot	18/02/2009				N/A		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	7A	0			
299			IFC Drawing changes - Edinburgh Park Bridge (Piers, bearings)	18/02/2009	06/03/09 16/03/09 07/04/09 29/04/09 01/06/09 11/09/09 22/12/09 13/01/10 08/02/10	25.1.201/IO/1654 tie INF CORR 902 25.1.201/MRH/1925 tie INF CORR 1094 25.1.201/IO/2475 tie INF CORR 1560/MP 25.1.201/IO/3168 tie INF CORR 3092/TC 25.1.201/GA/4374 tie INF CORR 4019/SG			N/A	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0			
300			Network Rail's requirement for CAT 3 checking	10/02/2009	10/02/09 26/03/09 26/03/09 08/04/09 08/04/09 08/05/09 08/06/09 27/08/09 19/11/09 08/02/10	25.1.201/GC/1536 25.1.201/GC/1535 INF CORR 892 INF CORR 893 25.1.201/JR/2202 25.1.201/JR/2201 tie INF CORR 1440/WB 25.1.201/GC/2819 tie INF CORR 2212/WB 25.1.201/GC/4065 tie INF CORR 3380/SB		0		D	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0			
301			Develop and seek approval for enabling works for diversionary route from Princes Street to George Street/Queen Street	26/01/2009	11/02/09 26/02/09 11/03/09 12/03/09 18/03/09 09/04/09 16/04/09 16/04/09 30/04/09 07/05/09 20/08/09 01/02/10	25.1.201/MRH/1549 25.1.201/IL/1656 tie INF CORR 890 tie INF CORR 766 25.1.201/IL/1998 tie INF CORR 800/MP 25.1.201/MRH/2319 tie INF CORR 1258/DB 25.1.201/IL/2484 25.1.201/SK/P/01/2495 tie INF CORR 2096/MP tie INF CORR 3252/JO	1		1	I	1	3	0	109,642	0	0	109,642	10,964	8,114	19,187	147,908	120,257	27,651	N/A	1D	0			
302			Protection of live utilities at Russell Road Bridge during construction	03/02/2009	11/02/09 12/02/09 12/03/09 18/03/09 03/04/09 09/04/09 16/04/09 06/05/09 04/09/09 22/09/09 24/11/09	tie INF CORR 668 25.1.201/IL/1552 25.1.201/MRH/1587 tie INF CORR 993 25.1.201/IL/2012 tie INF CORR 1139 25.1.201/IL/2249 tie INF CORR 1256/TC 25.1.201/IL/2530 tie INF CORR 2287/WB 25.1.201/IL/3550 tie INF CORR 2870/TC		0		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2	0		
303	37	29	Interior layout of Trams	05/02/2009	12/02/09 23/02/09 12/05/09 05/06/09 29/06/09	tie INF CORR 659 CAF-ETN-0114 CAF-ETN-0133 tie INF CORR 1458 tie INF CORR 1609/CB CAF-ETN-0276	1	1	1	I	1	3.4	0	0	0	313,221	313,221	0	0	0	313,221	313,221	0	N/A	All	313,221			
304	49	104	Provisional Sum for Extra Over for Shell Grip at Junctions	12/02/2009	23/02/09 08/05/09 15/05/09 19/05/09 16/07/09 26/08/09 31/08/09 05/10/09 12/10/09 16/10/09 19/10/09 27/10/09 29/10/09	25.1.201/IL/1590 25.1.201/MRH/1719 tie INF CORR 1433/AS 25.1.201/MRH/2641 tie INF CORR 1484/JO 25.1.201/IL/3092 tie INF CORR 2123/MP 25.1.201/KDR/3400 25.1.201/IL/3695 tie INF CORR 2601/JO tie INF CORR 2407/RB tie INF CORR 2640/JO 25.1.201/IL/3890 tie INF CORR 2658/JO	1	1	1	M	1	3	0	835,773	0	0	835,773	incl	61,847	146,260	1,043,880	156,252	887,628	DPS	All	156,252			
305			Crawley Tunnel - insufficient ground cover	12/02/2009	12/02/09 16/02/09 12/03/09 17/03/09 12/06/09 04/08/09 10/08/09 29/09/09 06/10/09 23/10/09 06/01/10	25.1.201/BOC/1597 25.1.201/SR/1539 25.1.201/MRH/1604 tie INF CORR 1004 25.1.201/MRH/1968 25.1.201/JHI/2847 25.1.201/JHI/3207 tie INF CORR 1979/CN MacKenzie M2204/DB/AI/B36 25.1.201/CBR/3700 25.1.201/JAC/3873 25.1.201/BOC/4325		0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0		
306			Discovery of underground structure on Leith Walk	16/02/2009	04/02/09 12/03/09 13/03/09 30/03/09 08/04/09 14/05/09 20/08/09 06/01/10	tie INF CORR 672 25.1.201/GC/1602 tie INF CORR 986 25.1.201/SR/1930 25.1.201/JHI/2132 25.1.201/JHI/2218 25.1.201/GC/2570 25.1.201/BOC/4326 25.1.201/BOC/4325	1		0	M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0			



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Withdrawn/Superseded/no cost
Delay Only
Change Order issued

Ref	Ref. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section	Change Order Value		
														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
307		76A	Contaminated Soil assessment at Haymarket Depot	16/02/2009	07/05/09 22/05/09 22/05/09 27/05/09 11/06/09 25/06/09 20/08/09 26/08/09 02/09/09 10/11/09 08/02/10	25.1.201/GC/1601 25.1.201/GA/2492 E-mail tie - BB tie INF CORR 1452/GMcG 25.1.201/MRH/2733 tie INF CORR 1593/CB 25.1.201/DG/2927 tie INF CORR 2069/CB tie INF CORR 2129/WB tie INF CORR 2237/CB 25.1.201/GC/3986 tie INF CORR 3287/SG	1		1	M	1	3,4	0	40,761	0	0	40,761	4,076	3,016	7,133	54,987	54,987	0	N/A	2	54,987			
308			Additional excavation at Carrick Knowe South Abutment	23/02/2009	29/04/09 08/05/09 15/05/09 02/06/09 28/08/09 15/10/09	25.1.201/GC/1693 25.1.201/IO/2476 tie INF CORR 1425/TC 25.1.201/MRH/2644 tie INF CORR 1578/MP tie INF CORR 2157/TC 25.1.201/MRH/2793			N/A	M	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0		
309		123	Edinburgh Park Bridge (S27) - South Abutment Base Formation	23/02/2009	13/03/09 19/03/09 02/04/09 08/05/09 21/08/09 28/08/09 08/10/09 25/11/09 08/02/10	25.1.201/GC/1696 tie INF CORR 1028 25.1.201/GA/2008 tie INF CORR 1180 25.1.201/GA/2340 E-mail tie-BSC tie INF CORR 2098/MP 25.1.201/CF/3733 tie INF CORR 2915/MP tie INF CORR 4021/SG	1		1	M	1	3,4	0	7,602	0	0	7,602	incl	563	1,330	9,495	9,495	0	N/A	5B	9,495			
310		38	Gogar Landfill Scottish Water Utility Diversion	12/02/2009	18/02/09 30/04/09 08/05/09 29/06/09 05/08/09 27/08/09 27/08/09 29/09/09 05/10/09 25/11/09 11/12/09	tie INF CORR 724 25.1.201/IO/1655 25.1.201/IL/2485 tie INF CORR 1427/AS 25.1.201/JHI/2968 SDS-ULE90130-07-LET-00400 25.1.201/JHI/3365 25.1.201/IO/2364 tie INF CORR 2473/AS 25.1.201/IL/3696 tie INF CORR 2924/GMcG 25.1.201/BOC/4235	1	1	1	I	1	3,4	16,284	3,022	0	0	19,306	1,931	1,429	529	23,195	0	23,195	N/A	7	0			
311			IFC Drawing Changes - Section 1A - Drainage	22/05/2009	11/09/09 22/09/09 01/10/09	25.1.201/IO/1967 tie INF CORR 2247/MB 25.1.201/MRH/3540 tie INF CORR 2540/MB			0	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0		
312			IFC Drawing Changes - Leith Walk	25/02/2009	04/09/09	25.1.201/IO/1737 tie INF CORR 2277/PD			0	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0		
313			IFC Drawing Changes - Section 7 Soft Landscaping	16/04/2009	08/05/09 13/05/09 28/08/09 22/09/09 13/11/09	25.1.201/IO/2309 tie INF CORR 1388/CB 25.1.201/MRH/2616 tie INF CORR 2165/GMcG 25.1.201/MRH/3537 tie INF CORR 2528/GMcG	1		0	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0		
314			IFC Drawing Changes - Section 7 Track Vertical and Horizontal Alignment Drawings	16/04/2009	16/07/09 30/07/09 11/11/09	25.1.201/IO/2310 tie INF CORR 1783/DS 25.1.201/GC/3169 tie INF CORR 2611			1	M	1	1,2,3	0	276,696	0	0	276,696	incl	20,476	48,422	345,593	0	345,593	N/A	7	0			
315			IFC Drawing Changes - Track Drainage - Gogarburn to Airport - Section 7.	24/02/2009	12/05/09 27/07/09 16/10/09 19/01/10 09/02/10	25.1.201/IO/1720 25.1.201/JHI/2602 25.1.201/IO/2364 tie INF CORR 2637/GMcG 25.1.201/OH/4437 25.1.201/SN/4621			1	M	1	1,2,3	0	820,211	0	0	820,211	incl	60,696	143,537	1,024,443	0	1,024,443	N/A	7	0			
316			Section 1D IFC Drawing Changes - Roads, Site Clearance, Pavements, Kerbs, Footways and Paved Areas, Footpaths, Road Markings, Traffic Signs, Junctions and Crossings, Traffic Signal Ducting, Drainage, Horizontal and Vertical Alignment and Lighting	20/02/2009	03/06/09 16/07/09 17/07/09 28/08/09 31/08/09 16/10/09 16/10/09 14/01/10	25.1.201/IO/1689 25.1.201/IL/2790 tie INF CORR 1774/TC 25.1.201/MRH/3078 tie INF CORR 2196/TC 25.1.201/KDR/3400 tie INF CORR 2197/CB tie INF CORR 2407/RB tie INF CORR 1789/RB			0	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0		
317			Earthworks Quantity variances between IFC Trackwork Drawings and IFC MX Data	16/04/2009		25.1.201/IO/2311			0	M	1	1,2	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0		
318			IFC Drawing Changes - Gogarburn Retaining Walls	24/04/2009		25.1.201/IO/2392			N/A	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0		
319			Shandwick Place TRO Signage	19/02/2009	04/05/09 07/05/09 08/05/09 13/08/09 19/08/09 21/08/09 31/08/09 25/09/09 02/10/09 16/10/09	25.1.201/JHI/1677 tie INF CORR 1380/DS 25.1.201/JHI/2571 tie INF CORR 1381/DS SDS-ULE90130-SW-LET-01669 25.1.201/JHI/3303 tie INF CORR 2083 25.1.201/KDR/4000 tie INF CORR 2448/DS 25.1.201/BOC/3678 tie INF CORR 2407/RB	1		1	D	1	1	7,143	0	0	7,143	714	529	0	8,386	0	8,386	N/A	1D	0				
320			Introduction of mass concrete foundations at Depot - Post IFC Change	20/10/2009	24/11/09 11/01/10 14/01/10	25.1.201/TG/3847 tie INF CORR 2658/GMcG 25.1.201/IL/1815/DS 25.1.201/CBR/4389			1	M	1	1	0	24,672	0	0	24,672	incl	1,826	4,318	30,815	0	30,815	N/A	6	0			
321		39	Revised alignment to Picardy Place, York Place and London Road Junctions	20/02/2009	01/10/08 25/11/08 13/02/09 18/03/09 16/04/09 17/04/09 20/03/09 06/04/09 30/04/09 10/07/09 30/07/09 31/07/09 12/10/09 01/10/09 08/10/09 22/10/09 21/12/09 06/01/10 08/02/10	SDS-ULE90130-01-LET-00820 SDS-ULE90130-01-LET-00888 tie INF CORR 757 25.1.201/IL/1691 INF CORR 1053 25.1.201/JHI/2317 tie INF CORR 1269/PD tie INF CORR 1073 tie INF CORR 1184 tie INF CORR 1365/TC SDS-ULE90130-SW-LET-01608 SDS-ULE90130-SW-LET-01643 25.1.201/JHI/3190 25.1.201/CBR/3755 tie INF CORR 2521/DS SDS-ULE90130-01-LET-01074 25.1.201/JHI/3862 SDS-ULE90130-01-LET-01104 25.1.201/SN/4319 tie INF CORR 4042/DS	1	1	1	M	1	3,4	254,081	0	0	254,081	25,408	18,802	0	298,291	0	298,291	DPS	5	1C	0			
322			Carrick Knowe Underbridge Obstructions	23/02/2009	09/04/09 12/06/09 12/11/09 19/11/09 26/01/10 01/02/10 08/02/10 11/02/10 12/02/10	25.1.201/GC/1703 tie INF CORR 1091/WB 25.1.201/CF/2779 tie INF CORR 2199/TC 25.1.201/CF/4060 25.1.201/CFU/4492 tie INF CORR 3255/Sba tie INF CORR 4022/SB 25.1.201/CFU/4650 25.1.201/MRH/4661			1	M	1	3,4	0	2,035	0	0	2,035	203	151	356	2,745	0	2,745	N/A	5B	0			
323			A8 Underpass Phase 1 Pile Toe Levels	23/02/2009	23/03/09 14/04/09 21/05/09 17/06/09 06/07/09 21/07/09	25.1.201/GC/1707 25.1.201/GA/1944 tie INF CORR 1238/AS 25.1.201/CF/2690 tie INF CORR 1659/GMcG 25.1.201/CF/2992 tie INF CORR 1808/GMcG			1	M	1	3,4	0	27,477	0	0	27,477	0	2,033	4,809	34,319	0	34,319	N/A	5C	0			



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CONFIDENTIAL

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Change Order issued

Ref	Refs. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate Issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section	Change Order Value
														£ Submitted	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psu or VE	Number					
324		51	A8 Underpass Phase 1 Piling Obstructions	23/02/09	18/02/09 18/03/09 25/03/09 08/04/09 09/04/09 14/04/09 01/05/09 17/07/09 28/08/09	tie INF CORR 752 25.1.201/GC/1710 tie INF CORR 1051 25.1.201/CHB/2074 25.1.201/GC/2221 tie INF CORR 1226/AS 25.1.201/GA/2251 tie INF CORR 1369/CB 25.1.201/BCW/3062 tie INF CORR 2168/AS	1		1	1	M	1	3,4	0	3,420	0	0	3,420	342	253	599	4,614	4,015	599	N/A	5C	4,015
325			Advertisement Consents	24/02/09	17/06/08 27/02/09 05/03/09 02/04/09 08/04/09 04/05/09 06/05/09 17/06/09 21/07/09 22/07/09 25/09/09 05/10/09 05/10/09 08/10/09	SDS-ULE90130-SW-LET-01084 25.1.201/JH/1715 tie INF CORR 797 25.1.201/BOC/1800 tie INF CORR 1170 25.1.201/JH/2223 tie INF CORR 1379/DS SDS-ULE90130-SW-LET-01542 25.1.201/JH/2975 tie INF CORR 1816/DS 25.1.201/MRH/3108 tie INF CORR 2415/DS 25.1.201/BOC/3683 25.1.201/BOC/3684 SDS-ULE90130-SW-LET-01750			N/A		D	1	1	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
326			Expose existing gully connections at Chainage 272-328 RHS	24/02/2009	09/04/09 05/05/09 06/05/09 01/06/09 12/06/09	25.1.201/GC/1713 tie INF CORR 1202/CB 25.1.201/SK/P/01/2511 25.1.201/SK/2537 tie INF CORR 1563/CB 25.1.201/SK/P/01/2848			1		M	1	4	0	2,746	0	0	2,746	275	203	481	3,705	0	3,705	VPS	1B	0
327		41	Dye test and camera survey at Chainage 170 RHS	24/02/2009	04/03/09 27/03/09 08/04/09 09/04/09 29/04/09 05/05/09 12/05/09	25.1.201/GC/1714 25.1.201/DMcP/01/1753 INF CORR 1128 25.1.201/GC/2228 tie INF CORR 1203/CB tie INF CORR 1349/MP 25.1.201/SK/P/01/2511 25.1.201/SK/2596	1		1	1	M	1	3,4	0	545	0	0	545	55	40	95	736	619	116	VPS	1B	619
328		42	Reinstate slabbed footway following MUDFA works	24/02/2009	04/03/09 06/03/09 16/03/09 27/03/09 08/04/09 29/04/09 08/05/09 12/05/09	25.1.201/GC/1716 25.1.201/SK/P/01/1754 tie INF CORR 877 25.1.201/MRH/1941 INF CORR 1128 25.1.201/GC/2228 tie INF CORR 1349/MP tie INF CORR 1430/AS 25.1.201/SK/2596	1		1	1	M	1	3,4	0	1,099	0	0	1,099	110	81	192	1,482	1,207	276	VPS	1B	1,207
329			Break out foamed concrete backfill	24/02/2009	09/04/09 17/04/09 08/05/09 11/05/09 17/07/09 25/09/09	25.1.201/GC/1717 tie INF CORR 1205/CB 25.1.201/DMcP/01/1796 tie INF CORR 1389/CB 25.1.201/GC/2590 25.1.201/GC/2697 tie INF CORR 2419/CB			1		M	1	3,4	0	5,431	0	0	5,431	543	402	950	7,326	0	7,326	VPS	1B	0
330		49	Install additional gully Chainage 250 RHS	24/02/2009	06/03/09 17/04/09 08/05/09	25.1.201/GC/1718 tie INF CORR 875 25.1.201/SK/P/01/2282 tie INF CORR 1390/CB	1		1	1	M	1	3,4	0	1,738	0	0	1,738	0	129	304	2,170	1,866	304	VPS	1B	1,866
331			Partial Handover of Depot Site		06/01/09 20/01/09 03/02/09 16/02/09 25/02/09 27/02/09 27/02/09 06/05/09 02/04/09 25/05/09	25.1.201/CHB/1241 tie INF CORR 604 tie INF CORR 669 25.1.201/CHB/1603 25.1.201/CHB/1732 tie INF CORR 801 25.1.201/Asc/2544 25.1.201/GC/1873 tie INF CORR 1142 25.1.201/MRH/1142			N/A		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	N/A	6	0
332			Change to route of footpath/cycleway adjacent to A8 and Gogarburn tram stop	15/06/2009	28/08/09 17/11/09	25.1.201/MRH/2883 tie INF CORR 2184/GMcG 25.1.201/MRH/4028			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0
333			Investigate stability of and reinstate existing batters north of Gogar Depot	25/02/2009	25/02/09 09/04/09 05/05/09 08/05/09	25.1.201/JH/1739 25.1.201/JH/1735 tie INF CORR 228/AS ULE90130-SW-LET-01535 25.1.201/GC/2584			N/A		D	1	1,2,3,4	0	0	0	0	0	0	0	0	0	0	0	N/A	6	0
334		94	Access at New Ingliston	26/02/2009	17/04/09 21/04/09 28/04/09 21/05/09 20/08/09 15/09/09	25.1.201/GC/1747 25.1.201/ID/K02/011/2207 tie INF CORR 1299/AS 25.1.201/MRH/2446 tie INF CORR 1480/GMcG tie INF CORR 2091/CB e-mail T.Gilchrist	1		1	1	D	1	3,4	0	4,483	0	0	4,483	228	332	785	5,828	5,828	0	N/A	7	5,828
335			IFC Drawing Changes - Track Drainage Section 5C	27/07/2009	13/11/09 18/11/09 22/12/09 12/01/10	25.1.201/IL/1758 tie INF CORR 2810/GMcG 25.1.201/GA/4059 tie INF CORR 3068/GMCG 25.1.201/GA/4366	1		1		M	1	1,2,3	0	337,111	0	0	337,111	incl	24,946	58,994	421,052	52,347	368,705	N/A	5C	0
336		60	Extension to Site Office for tie/SDS personnel	02/06/2009	11/06/09 17/08/09 21/08/09	tie INF CORR 1573/MP tie INF CORR 1643/FMcF tie INF CORR 2063/SH tie INF CORR 2099/SH	1		1	1	I	1	3	0	150,000	0	0	150,000	0	0	0	150,000	150,000	0	N/A	All	150,000
337		99	Testing to carriageway at Leith Walk	03/03/2009	12/03/09 19/03/09 11/05/09 04/09/09	25.1.201/GC/1773 tie INF CORR 985 25.1.201/GC/2025 25.1.201/DMcP/01/2512 tie INF CORR 2269/CB	1		1	1	I	1	1,2,3,4	0	11,455	0	0	11,455	1,145	848	2,005	15,452	15,452	-0	N/A	1B	15,452
338		57	Remove ornamental iron balls from Groathill Depot	03/02/2009	12/03/09 05/05/09 03/06/09	25.1.201/GC/1774 tie INF CORR 984 25.1.201/SK/P/01/2302 tie INF CORR 1562/CB	1		1	1	I	1	1,2,3,4	0	412	0	0	412	41	30	72	556	406	149	N/A	1B	406
339			Remove spoil from Groathill Depot	03/02/2009	19/03/09 01/04/09	25.1.201/GC/1775 tie INF CORR 1039 25.1.201/GC/2153			N/A				1,2,3,4	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0
340		52	Edinburgh Park Bridge South Abutment Base - Existing service (cable)	03/02/2009	10/03/09 18/03/09 30/03/09 21/04/09 01/05/09	25.1.201/GC/1776 tie INF CORR 952 25.1.201/MRH/1976 25.1.201/GA/2085 tie INF CORR 1297/TC tie INF CORR 1369/CB	1		1	1	M	1	1,2,3,4	0	452	0	0	452	45	33	79	610	531	79	N/A	5B	531
341			Princes Street - Reinforced Concrete slab above Track Box	02/03/2009	06/03/09 25/05/09 04/09/09	25.1.201/MRH/1771 tie INF CORR 872 25.1.201/MRH/2718 tie INF CORR 2264/DB			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0



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															£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
															SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
342	40			Transfer of private utility diversions from MUDFA at Edinburgh Park	27/02/2009	05/03/09 11/03/09 19/03/09 26/03/09 26/03/09 08/05/09 18/06/09 16/07/09 28/08/09 04/09/09 18/09/09 05/10/09 09/10/09 13/11/09 19/11/09 21/01/10	tie INF CORR 798 25.1.201/IL1817 tie INF CORR 953 25.1.201/IL2013 25.1.201/IL2102 25.1.201/IL2103 tie INF CORR 1391/CB tie INF CORR 1685/TC 25.1.201/IL2817 tie INF CORR 2178/MP 25.1.201/KDR/3432 tie INF CORR 2388/SJ 25.1.201/IL3703 25.1.201/IL3707 tie INF CORR 2834/SJ 25.1.201/CF/4068 tie INF COO 3219/SJ	1	1	1	I	1	3,4	0	183,294	0	0	183,294	18,329	13,564	32,076	247,263	0	247,263	VPS	5A,5B	0			
343				Street Lighting - Height of poles	16/03/09	23/02/09 05/08/09 10/08/09	SDS-ULE90130-06-LET-00129 25.1.201/JH1942 tie INF CORR 1971/DS 25.1.201/JH13246	1		1	D	1	1,2,3	2,125	0	0	0	2,125	213	157	0	2,495	0	2,495	N/A	6	0			
344				Disposal of surplus excavated material at Depot	17/03/2009	03/04/09	25.1.201/GC1822 25.1.201/GC2170			N/A				4	0	0	0	0	0	0	0	0	0	0	0	N/A	6	0		
345				MUDFA use of Hippo Wheel Wash	11/03/2009	03/04/09 10/11/09	25.1.201/GC1874 tie INF CORR 1080 25.1.201/MRH3980			N/A				4	0	0	0	0	0	0	0	0	0	0	0	N/A	5	0		
346				Edinburgh Park Bridge Structural Fill	11/03/2009	18/03/09 08/04/09 15/04/09 29/04/09 02/06/09 17/06/09 07/07/09 10/07/09 15/07/09 15/07/09 24/07/09	25.1.201/GC1864 tie INF CORR 1064 25.1.201/GC2222 tie INF CORR 1252/TC 29/04/09 25.1.201/CF/2778 tie INF CORR 1658/TC 25.1.201/CF/3007 tie INF CORR 1765/TC 25.1.201/CF/3057 25.1.201/CF/3058 tie INF CORR 1831/TC			1	M	1	4	0	85,290	0	0	85,290	6,311	14,926	0	106,527	0	106,527	N/A	5B	0			
347				Traffic Flow and re-modelling at Lothian Road Junction	11/03/2009	02/04/09 21/05/09 17/08/09 13/11/09	25.1.201/GC1865 tie INF CORR 1171 25.1.201/GC2696 tie INF CORR 2062/AS 25.1.201/GC4011			N/A				4	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0		
348				Additional Signs on Queen Street	11/03/2009	02/04/09 07/05/09 28/08/09	25.1.201/GC1866 tie INF CORR 1172 25.1.201/GC2516 tie INF CORR 2172/DB			1				4	0	197	0	0	197	20	15	34	266	0	266	N/A	1D	0		
349		61		Traffic Management contingency for Emergency Utility Works	11/03/2009	02/04/09 06/05/09 02/06/09	25.1.201/GC1867 tie INF CORR 1173 25.1.201/SK/P01/2488 tie INF CORR 1568/CB	1		1	D	1	4	0	300	0	0	300	30	22	53	405	405	0	0	N/A	1C,1D	405		
350		64		Protected Species mitigation measures	11/03/2009	31/03/09 03/04/09 08/04/09 06/05/09 02/06/09	25.1.201/GC1875 25.1.201/JH1879 tie INF CORR 1132 25.1.201/GC2216 25.1.201/GC2539 tie INF CORR 1592/MP	1		1	D	1	4	0	6,883	0	0	6,883	666	509	1,204	9,262	9,262	-0	0	N/A	7	9,262		
351				Reversal of One Way System on Rose Street	11/03/2009	05/05/09 08/05/09 11/05/09 27/05/09	25.1.201/GC1868 25.1.201/GC2519 tie INF CORR 1174 25.1.201/MRH/2592 tie INF CORR 1521/DB			N/A				4	0	0	0	0	0	0	0	0	0	0	0	N/A	1C,1D	0		
352	47		69	Off-peak Taxi Rank at George Street	12/03/2009	09/04/09 16/04/09 05/05/09 06/05/09 08/05/09 12/05/09 10/06/09 12/06/09	25.1.201/GC1908 tie INF CORR 1191/JO 25.1.201/IL2305 25.1.201/JH12505 25.1.201/IL2503 tie INF CORR 1443/CB 25.1.201/MRH/2598 tie INF CORR 1619/JO 25.1.201/JH12844	1	1	1	D	1	4	0	1,731	0	0	1,641	164	121	287	2,214	2,214	-0	0	N/A	1C,1D	2,214		
353				Additional Measures at George Street	11/03/2009	06/05/09	25.1.201/GC1869 25.1.201/GC2547			1				4	0	3,570	0	0	3,570	357	264	625	4,816	0	4,816	N/A	1C,1D	0		
354				Provide Corex signs and double yellow lines on George Street	11/03/2009	16/04/09 06/05/09 04/09/09	25.1.201/GC1870 tie INF CORR 1278/CB 25.1.201/GC2548 tie INF CORR 2263/DB			1				4	0	2,270	0	0	2,270	227	168	397	3,062	0	3,062	N/A	1C,1D	0		
355				Additional Signage at George Street/St Andrews Square	11/03/2009	02/04/09 18/05/09 04/09/09 13/11/09	25.1.201/GC1871 tie INF CORR 1176 25.1.201/GC2652 tie INF CORR 2269/CB 25.1.201/GC4013			1				4	0	2,190	0	0	2,190	219	162	383	2,954	0	2,954	N/A	1C,1D	0		
356				Replace MASS barriers at George Street, Hanover Street and Frederick Street	11/03/2009	02/04/09 06/05/09	25.1.201/GC1872 tie INF CORR 1177 25.1.201/GC2549			1				4	0	1,728	0	0	1,728	173	128	302	2,331	0	2,331	N/A	1C,1D	0		
357				Trial Holes in Princes Street	11/03/2009	09/04/09	25.1.201/GC1876 tie INF CORR 212/MP 25.1.201/IL1955	1		0				4	0	0	0	0	0	0	0	0	0	0	0	N/A	1C,1D	0		
358				Incomplete MUDFA Works at the Princes Street/Mound Junction	17/03/2009	16/04/09 17/04/09 01/05/09 27/05/09	tie INF CORR 1259/DB 25.1.201/KDR/2329 25.1.201/MRH/2506 tie INF CORR 1522/DB			N/A				4	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0		
359				Haymarket Junction- Underground Chamber at Clifton Terrace	17/03/2009	11/03/09 08/05/09 03/07/09 16/07/09 20/07/09 23/07/09 07/08/09 19/08/09 21/08/09 28/08/09 31/08/09 16/10/09 29/10/09 29/10/09 06/01/10	tie INF CORR 979 25.1.201/IL1958 tie INF CORR 1405/CN tie DEL.MUDFA.15263.AH.GB tie INF CORR 1772/TC 25.1.201/SN3091 25.1.201/IL3122 tie INF CORR 1981/CN 25.1.201/JH13309 tie INF CORR 2083 tie INF CORR 2148/CN 25.1.201/KDR/3400 tie INF CORR 2407/RB SDS-ULE90130-SW-LET-01773 SDS-ULE90130-01-LET-01065 25.1.201/BOC/4325			0	M	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0
360	46		54a	Alteration of Design at Forth Ports Road 8	16/04/2009	23/04/09 23/04/09 24/04/09 08/05/09 11/05/09 13/05/09 15/05/09 25/05/09 27/05/09 08/06/09 10/06/09 12/06/09 14/01/10 20/01/10 05/02/10 08/02/10	tie INF CORR 1280/CB 25.1.201/MRH/2372 25.1.201/JH2376 SDS-ULE90130-SW-LET-01519 25.1.201/JH12576 SDS-ULE90130-01-LET-01017 25.1.201/JH12606 tie INF CORR 1459/MP 25.1.201/SN2714 tie INF CORR 1515/DS 25.1.201/JH12818 tie INF CORR 1629/DC 25.1.201/JH12852 tie INF CORR 3174/MB 25.1.201/SN4439 25.1.201/SN4526 25.1.201/SN4605	1	1	1	1	I	1	1,2,3	10,544	0	0	0	10,164	1,016	752	0	11,933	11,933	-0	0	DPS	1A	11,933	



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	Section See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
361	41	55	Scottish Power Utility Diversion near Murrayfield Station	24/03/2009	(received date) 20/05/09 05/06/09 26/08/09 25/09/09 17/12/09	tie INF CORR 1052 25.1.201/JL2674 tie INF CORR 1557/GMcG tie INF CORR 2114/TC 25.1.201/MRH/3591 TIE inf corr 3039/TC	1	1	1	1	I	1	3.4	0	6,957	0	0	6,957	0	515	1,218	8,690	8,690	-0	VPS	5A	8,690		
362		106	Edinburgh Park Bridge - North and South Approach Ramps additional earthworks	14/04/2009	08/05/09 08/05/09 01/06/09 25/06/09 11/09/09 21/09/09 02/10/09 09/10/09 13/11/09	25.1.201/GC/2264 25.1.201/GA/2575 tie INF CORR 1431/TC tie INF CORR 1564/CB 25.1.201/CF/2935 25.1.201/BCW/3490 tie INF CORR 2409/MP 25.1.201/CF/3676 tie INF CORR 2608/CB tie INF CORR 2807/TC	1		1	1	M	1	1,2,3	0	148,118	0	0	148,118	0	10,961	25,921	185,000	185,000	0	N/A	5B	185,000		
363			Traffic Management - Provide Wider Area Signage to Princes Street	27/03/2009	16/04/09 07/05/09 26/08/09 28/08/09 13/11/09	25.1.201/GC/2118 tie INF CORR 1279/CB 25.1.201/GC/2553 tie INF CORR 2171/DB tie INF CORR 2176/DB/CB 25.1.201/GC/4008			1		D	1	3.4	0	8,820	0	0	8,820	882	653	1,544	11,899	0	11,899	N/A	1C,1D	0		
364			New Manhole (MH1) at Balbirnie Place	31/03/2009	30/04/09 08/05/09 08/10/09	25.1.201/GC/2142 25.1.201/GC/2494 tie INF CORR 1444/CB 25.1.201/JL/3726			1		M	1	3.4	0	1,395	0	0	1,395	0	103	0	1,498	666	832	N/A	2	0		
365			Wider Area Fly P & R Survey and Proposals	08/04/09	25/03/09 08/04/09 16/04/09 23/04/09 20/08/09	SDS-ULE90130-SW-LET-01477 25.1.201/JH/2226 25.1.201/BOC/2214 tie INF CORR 1266/DS 25.1.201/MRH/2391 25.1.201/BOC/3329			N/A		I	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A			
366			Gogarburn Bridge East Abutment - excess ground water	01/05/2009	02/06/09 23/06/09 03/09/09	25.1.201/GC/2496 tie INF CORR 1576/AS 25.1.201/ID/2862 tie INF CORR 2273/AS			1		M	1	4	0	2,864	0	0	2,864	286	212	501	3,864	0	3,864	N/A	7A	0		
367	63	134	Haymarket Station - Network Rail Access Doorway	22/04/2009	03/04/09 28/08/09 10/12/09 08/02/10 10/02/10	SDS-ULE90130-02-LET-00106 25.1.201/JH/2360 tie INF CORR 2186/DC 25.1.201/CF/4216 tie INF CORR 3292/MP 25.1.201/MRH/4626	1	1	1	1	D	1	3.4	0	2,087	0	0	2,087	209	154	365	2,815	2,815	-0	N/A	2	2,815		
368	42		Demolish all Structures on Plots no.s 97 and 102 near Roseburn Street	27/03/2009	09/04/09 15/04/09 08/05/09 04/01/10 08/02/10	tie INF CORR 1088 25.1.201/BOC/2252 25.1.201/BOC/2286 tie INF CORR 1415/MP 25.1.201/BCW/4294 tie INF CORR 2293/DC	1	1	0		I	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0	
369		126	Temporary works solution to maintain Thus and C & W services and dismantle water main at A8 Underpass	14/04/2009	23/04/09 06/05/09 15/05/09 20/07/09 31/07/09 04/08/09 12/11/09 13/11/09 10/12/09 17/12/09	25.1.201/GC/2287 tie INF CORR 1307/AS 25.1.201/GC/2538 tie INF CORR 1470/AS 25.1.201/MRH/3095 tie INF CORR 1883/AS 25.1.201/MRH/3206 tie INF CORR 2536/AS tie INF CORR 2802/GMcG 25.1.201/GA/1415 tie INF CORR 3047/GMcG	1		1	1	M	1	3.4	0	16,273	0	0	16,273	incl	1,204	2,848	20,325	20,325	0	N/A	5C	20,325		
370		113	Existing Ground levels at Edinburgh Park Bridge	14/04/2009	22/04/09 01/06/09 03/07/09 08/10/09 23/11/09	25.1.201/GC/2288 tie INF CORR 1303/TC tie INF CORR 1564/CB 25.1.201/CF/2942 25.1.201/CF/3732 tie INF CORR 2910/CB	1		1	1	M	1	1,2,3,4	0	49,521	0	0	49,521	incl	3,665	8,666	61,851	61,851	0	N/A	5B	61,851		
371	43	75	Transfer of MUDFA Utility Diversion - Section 5C - Conflict Schedule 5C/BI/D/05 - BT	09/04/2009	16/04/09 30/04/09 21/05/09 17/06/09 08/07/09 28/08/09 17/09/09 24/11/09	tie INF CORR 1206/JO 25.1.201/JL/2308 tie INF CORR 1356 25.1.201/JL/2693 tie INF CORR 1660/GMcG 25.1.201/JL/3017 tie INF CORR 2154/GMcG 25.1.201/JL/3524 tie INF CORR 2879/GMcG	1	1	1	1	I	1	3.4	0	1,357	0	0	1,357	0	100	238	1,695	856	839	VPS	2	5C	856	
372	44		Transfer of MUDFA Utility Diversion - Section 5A - Conflict Schedule 5A/SP/D/08 - Scottish Power	09/04/2009	16/04/09 22/05/09 27/05/09 26/08/09 25/09/09	tie INF CORR 1207/JO 25.1.201/JL/2307 tie INF CORR 1494/TC 25.1.201/MRH/2736 tie INF CORR 2114/TC 25.1.201/MRH/2581			1	N/A	I	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	5A	0
373	45 77	74	Transfer of MUDFA Utility Diversion - Section 5C - Conflict Schedule 5C/TE/D/05 - Virgin Media	09/04/2009	16/04/09 30/04/09 21/05/09 17/06/09 08/07/09 28/08/09 03/09/09 24/11/09	tie INF CORR 1208/JO 25.1.201/JL/2306 tie INF CORR 1355/AS 25.1.201/JL/2692 tie INF CORR 1661/GMcG 25.1.201/JL/3016 tie INF CORR 2181/GMcG 25.1.201/JL/3415 tie INF CORR 2865/GMcG	1	1	1	1	I	1	3.4	0	3,961	0	0	3,961	0	293	693	4,948	3,269	1,679	VPS	2	7	3,269	
374a			Gogar Landfill Area - Additional site investigation and testing to landfill area	24/04/2009	25/09/09 20/10/09 04/11/09 15/12/09	25.1.201/IO/2391 tie INF CORR 2477/AS 25.1.201/MRH/3845 25.1.201/MRH/3958 25.1.201/CBR/4247			N/A		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0	
374b			Gogar Landfill Area - Surcharging and monitoring of surcharge						0		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0	
374c			Gogar Landfill Area - Soil Nailing and Reinforced Earth						0		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0	
375			Revised OLE foundation and layout to Section1	28/04/2009	06/03/09 09/03/09 17/04/09 11/05/09 12/05/09 13/05/09 22/05/09 27/05/09 28/05/09 01/06/09 02/06/09 08/06/09 08/06/09 19/06/09 26/06/09 26/06/09 17/07/09 23/07/09 27/07/09 28/07/09 30/07/09 10/08/09 20/08/09 31/08/09 04/09/09 16/10/09 02/12/09 09/12/09 14/01/10	25.1.201/JH/1916 BB&ABC#050741 tie INF CORR 1275/JM 25.1.201/JH/2436 SDS-ULE90130-SW-LET-01552 25.1.201/CBR/2595 tie INF CORR 1446/RB tie INF CORR 1490/RB 25.1.201/MRH/2739 SDS-ULE90130-SW-LET-01570 25.1.201/JH/2765 25.1.201/CBR/2780 25.1.201/JH/2803 25.1.201/JH/2813 25.1.201/CBR/2892 25.1.201/JH/2953 tie INF CORR 1697/RB ETN(SPI)/BB-PBAABC#053480 25.1.201/CBR/3124 tie INF CORR 1827/RB 25.1.201/CBR/3149 25.1.201/CBR/3173 25.1.201/JH/3253 SDS-ULE90130-SW-LET-01964 25.1.201/KDR/3400 25.1.201/CBR/3427 tie INF CORR 2407/RB tie INF CORR 2948/DC 25.1.201/JH/4199 tie INF CORR 3176/RB			1		D	1	1,2,3	62,629	0	0	0	62,629	6,263	4,635	0	73,526	0	73,526	N/A	1A,1B,1C,1D	0		



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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number		
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total									
381			Section 1C/1D - Charlotte Square West End-On Parking	24/04/2009	25/05/09 27/05/09 02/06/09 22/07/09	25.1.201/GC/2382 25.1.201/GC/2719 tie INF CORR 1523/DB tie INF CORR 1591/MP 25.1.201/GC/3110			1		D	1	3,4	0	2,190	0	0	2,190	219	162	383	2,954	0	2,954	N/A		1C,1D	0			
382			Section 1D - Bus Gate at Shandwick Place	24/04/2009	25/05/09 27/05/09 02/06/09 22/07/09 21/08/09 31/08/09 16/10/09	25.1.201/GC/2383 25.1.201/GC/2720 tie INF CORR 1524/DB tie INF CORR 1591/MP 25.1.201/GC/3110 tie INF CORR 2083 25.1.201/KDR/3400 tie INF CORR 2407/RB			1		D	1	3,4	0	2,519	0	0	2,519	252	186	441	3,398	0	3,398	N/A		1D	0			
383			Section 1C/1D - Princes Street Rhino Barrier	24/04/2009	27/05/09 22/07/09	25.1.201/GC/2384 tie INF CORR 1525/DB 25.1.201/GC/3110			N/A		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1C,1D	0	
384			Section 1C/1D - Saturn Studs at George Street and Frederick Street	24/04/2009	25/05/09 27/05/09 02/06/09 22/07/09	25.1.201/GC/2385 25.1.201/GC/2713 tie INF CORR 1526/DB tie INF CORR 1591/MP 25.1.201/GC/3110			1		D	1	3,4	0	45	0	0	45	4	3	8	60	0	60	N/A		1C,1D	0			
385		62	Section 1C/1D - Additional MASS barriers on Great Stuart Street	24/04/2009	25/05/09 27/05/09 02/06/09	25.1.201/GC/2386 25.1.201/GC/2721 tie INF CORR 1527/DB tie INF CORR 1594/MP			1		D	1	3,4	0	678	0	0	678	68	50	119	915	915	0	0	N/A		1C,1D	915		
386			Section 1C/1D - Additional Traffic Management at Princes Street	24/04/2009	02/06/09	25.1.201/GC/2387 tie INF CORR 1582/DB			1		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1C,1D	0	
387			Section 1C - Bus Stand at St Andrews Square	24/04/2009	21/05/09 27/05/09	25.1.201/GC/2388 25.1.201/GC/2697 tie INF CORR 1528/DB			N/A		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1C	0	
388			Section 1C - VMS Signs on Princes Street Contingency Route	24/04/2009	27/05/09 22/07/09 06/11/09	25.1.201/GC/2389 tie INF CORR 1529/DB 25.1.201/GC/3110 25.1.201/GC/3971			N/A		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1C	0	
389			Section 1C/1D - Production of As-Built Drawing for Princes Street Diversion	24/04/2009	27/05/09 22/07/09	25.1.201/GC/2390 tie INF CORR 1530/DB 25.1.201/GC/3110			0		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1C,1D	0	
390		53	Carrick Knowe chaineage 520200 to 520240 - sub-grade improvement Access to Leith Walk from 19/03/09	07/05/2009	15/05/09 01/04/09	25.1.201/GC/2449 tie INF CORR 1458/MP 25.1.201/CHBB/2158 25.1.201/GC/2427			1		M	1	1,2	0	78,864	0	0	78,864	0	5,836	13,801	98,501	84,700	13,801	0	N/A		5B	84,700		
391				28/04/2009	22/05/09 23/07/09 01/10/09	25.1.201/GC/2427 tie INF CORR 1492/RB 25.1.201/GC/3129 tie INF CORR 2532/MP			N/A		D	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		1B,1C	0	
392		59	Pier 1 Base Formation - Section 5B	27/04/2009	30/04/09 03/06/09 28/08/09	25.1.201/GC/2429 25.1.201/MRH/2490 tie INF CORR 1567/CB tie INF CORR 2115/TC			1		M	1	1,2,3	0	450	0	0	450	0	33	79	561	561	0	0	N/A		5B	561		
393			Edinburgh Park Station Bridge - Approach ramp sub-grade	28/04/2009	08/05/09 23/07/09	25.1.201/GC/2437 tie INF CORR 1431/TC 25.1.201/GC/3126			N/A		M	1	1,2	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		5B	0	
394			Notified Departure due to the issue of SDS Design programme V41	28/04/2009	08/07/09 10/07/09 14/07/09 23/10/09 01/02/10	25.1.201/GC/2461 25.1.201/BOC/3021 tie INF CORR 1757/TH 25.1.201/MRH/3052 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		All	0
395			Notified Departure due to the issue of SDS Design programme V42	28/04/2009	08/07/09 10/07/09 14/07/09 23/10/09 01/02/10	25.1.201/GC/2462 25.1.201/BOC/3021 tie INF CORR 1757/TH 25.1.201/MRH/3052 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		All	0
396			Notified Departure due to the issue of SDS Design programme V43	28/04/2009	08/10/09 10/07/09 14/07/09 23/10/09 01/02/10	25.1.201/GC/2463 25.1.201/BOC/3021 tie INF CORR 1757/TH 25.1.201/MRH/3052 tie INF CORR 1961/DC 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		All	0
397			IFC Changes - Series 600 Earthworks Specification	29/04/2009	28/08/09 31/08/09 16/10/09 10/11/09 22/12/09 06/01/10	25.1.201/GC/2467 tie INF CORR 2161/TC 25.1.201/KDR/3400 tie INF CORR 2407/RB 25.1.201/GC/3984 tie INF CORR 3095/TC 25.1.201/MRH/4310			0		M	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		All	0	
398			IFC Changes - Series 1700 Structural Concrete Specification	29/04/2009	31/08/09 04/09/09 16/10/09 05/11/09 22/12/09 06/01/10	25.1.201/GC/2468 25.1.201/KDR/3400 tie INF CORR 2162/TC tie INF CORR 2407/RB 25.1.201/GC/3964 tie INF CORR 3087/TC 25.1.201/MRH/4311			0		M	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		All	0	
399			Addition of starter and capping layers in Section 7A	20/05/2009	18/06/09 25/06/09 24/07/09 27/07/09 21/08/09 25/08/09 28/08/09 02/09/09 03/09/09 07/09/09 09/09/09 25/09/09 28/09/09 02/10/09 08/10/09 09/10/09 09/10/09 13/10/09 13/10/09 16/10/09 19/10/09 19/10/09 16/12/09 06/01/10 21/01/10 25/01/10 01/02/10	25.1.201/IO/2676 tie INF CORR 1678/TC tie INF CORR 1711/AS tie INF CORR 1842/AS e-mail BSC-tie 25.1.201/MRH/3331 tie INF CORR 2078 25.1.201/CBR/3390 tie INF CORR 2252 Halcrow TMUSDS/3/338 25.1.201/CBR/3442 25.1.201/GC/3463 tie INF CORR 2446/SC 25.1.201/CBR/3616 25.1.201/CBR/3667 SDS-LILE90130-SW-LET-01749 tie INF CORR 2571/AS tie INF CORR 2609/AS 25.1.201/CBR/3756 25.1.201/CBR/3769 tie INF CORR 2386/MP tie INF CORR 2643/SC tie INF CORR 2644/SC tie INF CORR 3054/AS tie INF CORR 3123/AS 25.1.201/SRO/4462 25.1.201/CBR/4473 25.1.201/GC/4531			1		M	1	1,2	0	912,174	0	0	912,174	incl	67,501	159,631	1,139,306	1,052,141	87,165	0	0	N/A		5C	0	
400			Cycle provision at Haymarket Steps	28/04/2009	29/05/09 28/08/09 06/01/10	25.1.201/IO/2440 25.1.201/BOC/2761 tie INF CORR 2180/DS 25.1.201/BOC/4325			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A		2	0	
401		92	Additional earthworks to western approach embankment at Gogarburn Bridge	08/07/2009	13/08/09 15/09/09	25.1.201/ID/2732 tie INF CORR 2032/GMcG e-mail T.Glochrist			1		I	1	1,2,3	0	29,316	0	0	29,316	incl	2,169	5,130	36,616	36,616	0	0	N/A		7A	36,616		



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
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														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
414		107	Sample soil nailing to embankments between Russell Road and Water of Leith	16/06/09	23/03/09 18/06/09 18/06/09 07/07/09 07/07/09 28/08/09 03/03/09 09/10/09	25.1.201/JR/2040 25.1.201/CF/2833 tie INF CORR 1687/TC tie INF CORR 1688/TC 25.1.201/MRH/3010 25.1.201/MRH/3011 tie INF CORR 2138/DC 25.1.201/CF/3418 tie INF CORR 2606/MP	1	1	1	D	1	1,2,3	0	65,815	0	0	65,815	6,581	4,870	11,518	88,784	44,718	44,066	N/A	5A	44,718			
415	52		Provisional Sum Depot Pumping Station, manhole and rising main	03/06/2009	05/06/09 08/06/09 12/06/09 28/08/09 08/10/09 24/11/09	tie INF CORR 1599/JO 25.1.201/JH/2801 25.1.201/L/2809 25.1.201/JH/2845 tie INF CORR 2185/GMcG 25.1.201/L/3724 tie INF CORR 2856/GMcG	1	1		I	1	1,2,3	0	52,061	0	0	52,061	incl	3,852	9,111	65,024	22,012	43,011	DPS	1	6	0		
416	50		Construction of a new Manhole Ref. 1C2/D/MH/6901	02/06/2009	08/06/09 12/11/09 17/11/09 18/11/09	tie INF CORR 1556/JO 25.1.201/L/2808 tie INF CORR 2530/PD 25.1.201/MRH/4027 25.1.201/MRH/4045			N/A		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	N/A	1C	0			
417	53		BAA Dualing Future Proofing (Eastfield Avenue)	02/06/2009	08/06/09 20/07/09 31/07/09 04/08/09 20/08/09 31/08/09 03/09/09 18/09/09 24/09/09 29/09/09 01/10/09 01/10/09 12/10/09 23/10/09 22/10/09 26/10/09 30/10/09 03/11/09 06/11/09 06/11/09 13/11/09 23/11/09 30/11/09 30/11/09 11/12/09 16/12/09 06/01/10 25/01/10 25/01/10 28/01/10 04/02/10	tie INF CORR 1569/MP 25.1.201/L/2810 25.1.201/BOC/3089 tie INF CORR 1878/GMcG 25.1.201/MRH/3202 25.1.201/BOC/3326 SDS-ULE90130-07-LET-00406 25.1.201/JH/3425 tie INF CORR 2404/AS tie INF CORR 2433/AS 25.1.201/BOC/3629 25.1.201/SN/3664 tie INF CORR 2525/GMcG 25.1.201/SN/3754 25.1.201/MRH/3874 tie INF CORR 2647/GMcG SDS-ULE90130-SW-LET-01768 SDS-ULE90130-SW-LET-01776 25.1.201/BOC/3952 25.1.201/JH/3967 tie INF CORR 2779 tie INF CORR 2833/AS 25.1.201/SN/4091 tie INF CORR 2930/AS tie INF CORR 2929/AS 25.1.201/BOC/4235 25.1.201/BOC/4260 25.1.201/MRH/4312 tie INF CORR 3201/AS tie INF CORR 3202/AS 25.1.201/JH/4508 25.1.201/SN/4563	1	1	1	I	1	1,2,3	11,910	0	32,449	0	44,359	1,191	881	0	46,431	0	46,431	VPS	1	7	0		
418			Russell road Retaining Wall - Carry out site investigation to establish extent of contaminated material	22/05/2009		tie INF CORR 1510/GMcG			N/A		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	N/A	5A	0			
419		82	Replace MASS barriers at St Andrews Square with visi-rail, kerbed built outs and infill bollards	15/06/2009	19/06/09 07/08/09 14/08/09	25.1.201/GC/2855 25.1.201/SK/P/01/2887 tie INF CORR 1839/CB tie INF CORR 1839/CB	1		1		I	1	1,2,3	0	16,973	0	0	16,973	1,697	1,256	2,970	22,897	22,897	0	N/A	1C	22,897		
420			Leith Walk Cytrotary System Trackform change on the Guided Busway	24/07/2009	11/03/09 29/04/09	25.1.201/CHB/1887 tie INF CORR 1336/WB WTN(BSC)TIE-TABC#053475			1		I	1	4	0	37,819	0	0	37,819	3,782	2,799	6,618	51,017	0	51,017	N/A	1B	0		
421		81	Leith Walk Cytrotary System Trackform change on the Guided Busway	17/06/2009	16/07/09 22/07/09 03/08/09 05/08/09 11/08/09	25.1.201/SK/3134 tie INF CORR 1761/WB ETN(BSC)TIE-TABC#053206 ETN(BSC)TIE-TABC#053586 tie INF CORR 1841/CB 25.1.201/CBR/3256	1		1		M	1	4	0	0	550,000	0	550,000	0	0	0	550,000	550,000	0	N/A	5B	550,000		
422			Phase 1A/1B Design	22/06/2009	27/05/09 30/06/09 21/07/09 20/08/09 26/08/09 09/09/09	tie INF CORR 1533/DS 25.1.201/BOC/2900 25.1.201/JH/2961 tie INF CORR 1817/DS 25.1.201/BOC/3323 SDS-ULE90130-SW-LET-01687 25.1.201/BOC/3420			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	N/A	3	0			
423			Remove Soft Material from Sub Grade of Depot Access Road as per CV1 BARR06/007	29/06/2009	15/07/09 17/07/09 22/07/09 25/09/09	25.1.201/IO/2964 25.1.201/IO/2965 tie INF CORR 1810/GMcG 25.1.201/MRH/3109 tie INF CORR 2454/GMcG	1		1		I	1	1,2,3	0	29,467	0	0	29,467	incl	2,181	5,157	36,804	0	36,804	N/A	6	0		
424			Revised IFC HRL Drawings Section 7	30/06/2009	28/08/09 05/11/09 22/12/09 06/01/10 22/01/10 26/01/10	25.1.201/IO/2970 tie INF CORR 2210/GMcG 25.1.201/GC/3963 tie INF CORR 3069/GMcG 25.1.201/MRH/4321 tie INF CORR 3185/GMcG 25.1.201/MRH/4494			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	N/A	7	0			
425			Bernard Street revisions outwith LOD	06/07/2009	30/06/09 08/07/09 05/08/09 26/08/09 01/09/09 15/09/09 30/10/09 18/11/09 04/12/09 10/12/09	SDS-ULE90130-01-LET-00859 25.1.201/JH/2996 25.1.201/JH/3012 25.1.201/BOC/3226 25.1.201/JH/3356 SDS-ULE90130-01-LET-01062 25.1.201/JH/3510 tie INF CORR 2723/DS 25.1.201/JH/4057 SDS-ULE90130-SW-LET-01806 25.1.201/BOC/4214			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	N/A	1A	0			
426			Revisions to IFC drawings - Water of Leith Bridge	06/07/2009	09/11/09 13/11/09 17/11/09	25.1.201/IO/3004 25.1.201/MRH/3076 tie INF CORR 2811/TC 25.1.201/MRH/4039			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	N/A	5A	0			
427			Provide insurance ducts at junctions near Princes Street	24/06/2009	20/08/09 25/09/09	tie INF CORR 1699/CB 25.1.201/SS/3320 tie INF CORR 2474/DB			N/A		I	1	4	0	0	0	0	0	0	0	0	0	0	N/A	1C,1D	0			
428	54	121	Alteration of Drainage at Eastfield Avenue to avoid a clash with Utilities	24/06/2009	13/07/09 05/08/09 27/08/09 25/09/09 08/10/09 09/10/09 13/11/09	tie INF CORR 1703/MP 25.1.201/L/3051 25.1.201/JH/3222 25.1.201/JH/3366 tie INF CORR 2479/AS 25.1.201/L/3725 25.1.201/BOC/3744 tie INF CORR 2829/GMcG	1	1	1	I	1	1,2,3	380	576	0	0	956	38	71	0	1,065	1,065	0	N/A	7	1,065			



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														£ Submitted										E Agreed	E Not Agreed	Psum or VE	Number	See Notes	Change Order Value
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
429			Issue of MUDFA Programme Revision 8	08/07/2009	06/08/09 17/08/09 19/08/09 27/08/09 28/08/09 03/09/09 04/09/09 09/09/09 15/09/09 15/09/09 16/09/09 17/09/09 16/10/09 23/10/09 07/12/09 17/12/09 07/01/10 05/02/10	25.1.201/MRH/3016 25.1.201/WIM/3230 tie INF CORR 2050 25.1.201/WIM/3311 25.1.201/KDR/3380 tie INF CORR 2116/SC tie INF CORR 2285/SC 25.1.201/WIM/3430 25.1.201/WIM/3475 25.1.201/KDR/3500 tie INF CORR 2373 25.1.201/KDR/3519 tie INF CORR 2365/SC 25.1.201/KDR/3822 tie INF CORR 2667/MB 25.1.201/WIM/4187 25.1.201/WIM/4187 25.1.201/KDR/4342 25.1.201/KDR/4578	1		N/A	M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	2	All	0
430			Additional white lining at Haymarket Station Car Park	08/07/2009	28/08/09 20/01/10	25.1.201/GC/3026 tie INF CORR 2101/WB 25.1.201/CFU/4441	1		1		I	1	3,4	0	3,257	0	0	3,257	326	241	570	4,394	0	4,394	N/A	2A	All	0	
431		108	Slew existing BT duct at A8 underpass	08/07/2009	05/08/09 26/08/09 13/10/09 14/12/09	25.1.201/CF/3225 tie INF CORR 2155/GMcG tie INF CORR 2614/GMcG tie INF CORR 2991/AS	1		1	1	I	1	3,4	0	19,953	0	0	19,953	1,995	1,477	3,492	26,917	22,847	4,070	N/A	5C	All	22,847	
432			Princes Street contingency route	08/07/2009	22/07/09 31/07/09	25.1.201/GC/3028 25.1.201/GC/3107 tie INF CORR 1988/DB			N/A		I	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C,1D	All	0
433			Traffic management at Verity House Access Road	08/07/2009	28/08/09 23/09/09 11/01/10	25.1.201/GC/3029 tie INF CORR 2100/WB 25.1.201/DMP/01/3739 tie INF CORR 3119/JO	1		1		I	1	3,4	0	8,037	0	0	8,037	804	595	1,406	10,842	0	10,842	N/A	2A	All	0	
434		130	George Street Emergency road closure	08/07/2009	24/07/09 30/09/09 25/01/10	25.1.201/GC/3030 tie INF CORR 1836/CB 25.1.201/DMP/01/3649 tie INF CORR 3212/JO	1		1	1	I	1	3,4	0	1,124	0	0	1,124	112	83	197	1,516	1,516	0	N/A	1C	All	1,516	
435			Traffic Management for MUDFA Works	08/07/2009	24/07/09	25.1.201/GC/3031 tie INF CORR 1837/CB	1		0		I	1	3,4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	All	0
436		129	Lothian Road pedestrian disruption	08/07/2009	24/07/09 09/10/09 25/01/10	25.1.201/GC/3032 tie INF CORR 1838/CB 25.1.201/DMP/01/3740 tie INF CORR 3210/JO	1		1	1	I	1	3,4	0	6,405	0	0	6,405	640	474	1,121	8,640	8,640	0	N/A	1C	All	8,640	
437		102	Carrick Knowe works outwith the LOD	08/07/2009	04/08/09 23/11/09	25.1.201/GC/3033 25.1.201/CF/3213 tie INF CORR 2889/JO	1		1	1	I	1	3,4	0	3,205	0	0	3,205	321	237	561	4,324	4,324	-0	N/A	5B	All	4,324	
438		83A	Noise & Vibration Surveys and Reports in the city centre (SIEMENS)	02/07/2009	21/07/09 23/07/09 13/08/09 17/08/09 31/08/09 16/10/09	ETN(BSC)TIE1AABC#053175 tie INF CORR 1796/WB ETN(BSC)TIEAABC#053207 tie INF CORR 1840/CB tie INF CORR 2052/CB 25.1.201/KDR/3400 tie INF CORR 2407/RB	1		1	1	I	1	4	0	0	146,128	0	0	146,128	0	0	0	146,128	146,128	0	N/A	1,2	All	146,128
439		77	SDS' proposed office move to Edinburgh Park - IT costs	07/07/2009	28/07/09	tie INF CORR 1750/MP 25.1.201/BOC/3152	1		1	1	I	1	4	23,850	0	0	0	23,850	2,385	1,765	0	28,000	28,000	0	N/A	All	All	28,000	
440			Utilities conflicts within 1.2 metre clearance zone	15/07/2009	21/08/09 24/08/09 24/08/09 31/08/09 16/10/09 01/02/10 01/02/10	25.1.201/GC/3055 tie INF CORR 2070/SS 25.1.201/WIM/3345 25.1.201/MRH/3346 25.1.201/KDR/3400 tie INF CORR 2407/RB TIE inf corr 3381/GCN tie INF CORR 3346/DS/CE285			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	All	0
441			Site Wide Contamination	05/08/2009	31/08/09 16/10/09 06/11/09 12/11/09 08/02/10 08/02/10 11/02/10	25.1.201/GC/3130 25.1.201/KDR/4000 tie INF CORR 2407/RB tie INF CORR 2775/SS 25.1.201/GC/4006 25.1.201/GAJ/4603 tie INF CORR 3389/SS 25.1.201/MRH/4642			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	All	0
442			Track Drainage - Section 5A	27/07/2009	16/12/09 07/01/10	25.1.201/GA/3144 tie INF CORR 3027/TC 25.1.201/GA/4339			1		M	1	1,2,3	0	57,597	0	0	57,597	incl	4,262	10,079	71,939	0	71,939	N/A	5A	All	0	
443			Notified Departure due to the issue of SDS Design programme V44	17/07/2009	01/02/10	25.1.201/GC/3081 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	All	0	
444			Notified Departure due to the issue of SDS Design programme V45	17/07/2009	01/02/10	25.1.201/GC/3082 25.1.201/BOC/2578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	All	0	
445			Notified Departure due to the issue of SDS Design programme V46	17/07/2009	01/02/10	25.1.201/GC/3083 25.1.201/BOC/4578			N/A		M	1	4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	All	0	
446			Rosburn Delta Junction Landscaping	20/07/2009	20/07/09 31/07/09 11/08/09 07/09/09 30/09/09 09/10/09	25.1.201/BOC/3088 25.1.201/BOC/3090 tie INF CORR 1894/DS 25.1.201/BOC/3267 SDS-ULE90130-SW-LET-01703 25.1.201/BOC/3648 25.1.201/BOC/3745			N/A		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	2	All	0	
447			Revised OLE location due to Scottish Power installation - Princes Street at chainage 121395	20/07/2009	04/09/09	25.1.201/GC/2250/DB			0		M	1	3,4	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	All	0	
448			Change to street lighting at Haymarket Terrace	20/07/2009	10/07/09 09/12/09 06/01/10 12/01/10 21/01/10 08/02/10	25.1.201/BGC/3093 SDS-ULE90130-02-LET-00110 SDS-ULE90130-SW-LET-01816 25.1.201/BOC/4325 SDS-ULE90130-SW-LET-01837 25.1.201/JH/4469 tie INF CORR 4041/DS			1		M	1	3,4	2,129	0	0	0	2,129	213	158	0	2,499	0	2,499	N/A	1D	All	0	
449		80	Reinstatement of Bus Link	20/07/2009	21/07/09 22/07/09 23/07/09 23/07/09 12/08/09 03/09/09 01/02/10	25.1.201/GC/3099 tie INF CORR 1811 tie INF CORR 1822/TC 25.1.201/DG/3128 tie INF CORR 1826/CB 25.1.201/CF/3166 tie INF CORR 2233/AS tie INF CORR 3288/SG	1		1	1	I	1	3,4	0	595	0	0	595	60	44	104	803	0	803	N/A	5B	All	0	
450		57	BAA New Burnside Road Alignment	20/07/2009	20/07/09 24/07/09 20/08/09 25/09/09 01/10/09 08/10/09 15/10/09 06/11/09 24/11/09 25/11/09 10/12/09 11/12/09 21/01/10 21/01/10 26/01/10 03/02/10	25.1.201/BOC/3100 25.1.201/BOC/3101 tie INF CORR 1844/CB 25.1.201/BOC/3326 tie INF CORR 2455/GMcG SDS-ULE90130-07-LET-00409 SDS-ULE90130-SW-LET-01753 25.1.201/JH/3798 tie INF CORR 2779 SDS-ULE90130-SW-LET-01799 tie INF CORR 2905/GMcG 25.1.201/JH/4222 25.1.201/BOC/4235 tie INF CORR 3184/DC tie INF CORR 3168/AS 25.1.201/BOC/4489 25.1.201/SN/4549	1	1	1		I	1	1,2,3	5,944	0	0	0	5,944	594	440	0	6,978	0	6,978	N/A	7	All	0	
451			Stage D drawings for tram stops	03/08/2009	01/09/09 25/09/09 08/10/09 09/10/09 26/10/09 02/11/09 15/12/09 18/12/09	25.1.201/JH/3194 25.1.201/SN/3404 tie INF CORR 2457/DS SDS-ULE90130-SW-LET-01746 25.1.201/BOC/3742 SDS-ULE90130-SW-LET-01765 25.1.201/JH/3933 tie INF CORR 3016/DS 25.1.201/SN/4286			1		I	1	1,2,3	47,463	0	0	0	47,463	4,746	3,512	0	55,722	0	55,722	N/A	All	All	0	



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Withdrawn/Superseded/no cost
Delay Only
Change Order issued

Ref	Ref. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section See Notes	Change Order Value		
														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total							
452			West Depot Entry/Exit turnout	23/07/09	10/07/09	SDS-ULE90130-06-LET-00128 ETN(BSC)TIE&ABC053564 tie INF CORR 2147/WB 25.1.201/JHI4157			1		I	1	3.4	0	0	3,986	0	3,986	0	0	0	3,986	0	3,986	N/A	6	0		
453			5B Drainage to Guided Busway		26/06/09	25.1.201/PW12952 tie INF CORR 1843/CB 25.1.201/GC3151			0		M	1	1.2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0		
454	56		Alteration of traffic management at Lothian Road junction to accommodate MUDFA BT and Gas works	24/07/09	26/06/09	25.1.201/PW12952 tie INF CORR 1843/CB 25.1.201/GC3151 28/07/09 31/07/09 03/08/09 25.1.201/PW13196 25/09/09 12/10/09 25.1.201/GC3751 01/02/10 tie INF CORR 3264/SG tie INF CORR 1620/TC 25.1.201/MRH4031		1	1	I	1	3.4	0	1,395	0	0	1,395	incl	103	244	1,742	0	1,742	N/A	1D	0			
455			Proposals for treating Giant Hogweed at Edinburgh Park Central	22/07/2009	17/11/09	25.1.201/MRH4031			N/A		I	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0		
456			Re-use of existing kerbs	31/07/2009	31/08/09	25.1.201/CHB3171 25.1.201/KDR3400 16/10/09 tie INF CORR 2407/RB			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
457			Edinburgh Park Bridge - revisions to reinforcement to parapets	04/08/2009	16/10/09	25.1.201/IO3200			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0		
458			Revised Junction Layouts - Section 1A	10/08/2009	16/10/09	ETN(BSC)TIE&SC&ABC053602 tie INF CORR 2407/RB			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0		
459			TRO changes - informal consultation	07/08/09	31/07/09	SDS-ULE90130-SW-LET-01645 25.1.201/JHI3244 25.1.201/KDR3400 25/09/09 tie INF CORR 2451/DS 25/09/09 tie INF CORR 2453/DS 30/09/09 25.1.201/JHI3653			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
460			TRO changes - informal consultation - impact on IFC Drawing issue dates	07/08/09	31/07/09	SDS-ULE90130-SW-LET-01645 25.1.201/JHI3245 25/09/09 tie INF CORR 2451/DS 25/09/09 tie INF CORR 2453/DS 30/09/09 25.1.201/JHI3653			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
461			Forth Ports Substation - redesign	11/08/09	06/08/09	SDS-ULE90130-SW-LET-01655 25.1.201/BOC3261 30/09/09 tie INF CORR 2459/DS 01/10/09 25.1.201/JHI3344 07/12/09 SDS-ULE90130-01-LET-01093 11/12/09 25.1.201/BOC4235 12/01/10 SDS-ULE90130-SW-LET-01839 21/01/10 25.1.201/JHI4466	1	1	M	1	1,2,3	12,218	0	0	0	12,218	1,222	904	0	14,343	0	14,343	N/A	1A	0				
462			Network Rail turning head lighting	11/08/09	06/07/09	SDS-ULE90130-SW-LET-01653 25.1.201/JHI3264 05/08/08 25.1.201/BOC4325 06/01/10			0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0		
463			Forth Ports drainage approval	11/08/09	06/08/09	SDS-ULE90130-SW-LET-01654 25.1.201/JHI3265 25/09/09 tie INF CORR 2458/DS 30/09/09 25.1.201/JHI3652 10/12/09 SDS-ULE90130-01-LET-01094 11/12/09 25.1.201/BOC4235 12/01/10 SDS-ULE90130-SW-LET-01838 21/01/10 25.1.201/JHI4471	1	1	M	1	1,2,3	11,771	0	0	0	11,771	1,177	871	0	13,819	0	13,819	N/A	1A	0				
464			Gogarburn Retaining Walls W14 and W15 - Survey and burn migration	11/08/09	30/07/09	SDS-ULE90130-07-LET-00402 25.1.201/CBR3193 21/08/09 25.1.201/JHI3266 11/09/09 25.1.201/SN3336 24/09/09 tie INF CORR 2351/AS 25/09/09 tie INF CORR 2477/AS 15/12/09 25.1.201/CBR4247 08/02/10 25.1.201/BOC4586			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0		
465			Redesign of Drainage at BAA/CRCR interface	17/08/09	06/08/09	SDS-ULE90130-SW-LET-01660 25.1.201/JHI3294 24/09/09 tie INF CORR 2433 25/09/09 tie INF CORR 2471/AS 30/09/09 25.1.201/JHI3363 01/10/09 25.1.201/SN3664 09/12/09 SDS-ULE90130-07-LET-00418 11/12/09 25.1.201/BOC4235 12/01/10 SDS-ULE90130-SW-LET-01840 21/01/10 25.1.201/JHI4467 08/02/10 tie INF CORR 4014/GMcG	1	1	M	1	3.4	3,262	0	0	0	3,262	326	241	0	3,829	0	3,829	N/A	7	0				
466			Changes to TRO 1 Drawings	17/08/09	06/08/09	SDS-ULE90130-SW-LET-01661 25.1.201/JHI3292 31/08/09 25.1.201/KDR3400 14/10/09 tie INF CORR 2618/DS 16/10/09 tie INF CORR 2407/RB 22/10/09 25.1.201/JHI3865 22/10/09 25.1.201/JHI3867			N/A		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0		
467			BAA Drainage at Depot	17/08/09	06/08/09	SDS-ULE90130-SW-LET-01658 25.1.201/JHI3293 02/09/09 tie INF CORR 2169/AS 23/09/09 25.1.201/JHI3564 06/01/10 25.1.201/BOC4325	1		0		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0		
468			Underground Chamber - West Maitland Street	24/08/09	19/08/09	25.1.201/JHI3308 25.1.201/JHI3341 28/08/09 tie INF CORR 2148/CN 14/10/09 tie INF CORR 2619/DS 04/11/09 25.1.201/JHI3955	1		0		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	N/A	1D	0		
469	59		Utility Diversions associated with Lindsay Road	19/08/2009	19/08/09	tie INF CORR 2072/MP 25.1.201/GC3317 29/08/09 tie INF CORR 2217/MB 22/09/09 25.1.201/IL3549 12/10/09 tie INF CORR 2613/MB 15/10/09 25.1.201/MRH3794 24/11/09 tie INF CORR 2864/SJ 24/11/09 tie INF CORR 2860/MB 27/11/09 25.1.201/SK4112	1	1	0		I	1	3.4	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1A	0	
470			Accommodation Works - Relocate Access steps at 33 Ocean Drive	20/08/2009	28/08/09	25.1.201/GC3321 tie INF CORR 2213/MB 24/09/09 25.1.201/IL3575 01/10/09 tie INF CORR 2539/MB 16/10/09 25.1.201/IL3820 11/12/09 tie INF CORR 2943/MB 17/12/09 25.1.201/MRH4279 21/01/10 tie INF CORR 3222/MB			0		I	4	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0	
471			IFC drawing changes - Section 5B - Ducting and Cable Routes	27/10/09	22/09/09	SDS-ULE90130-05-LET-00427 25.1.201/SRO3712 06/10/09 SDS-ULE90130-05-LET-00432 13/10/09 20.1.201/SRO3887 26/10/09 25.1.201/IL3902 11/11/09 SDS-ULE90130-05-LET-00438 24/11/09 SDS-ULE90130-05-LET-00439			0		M	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5B	0	
472		91	Developed kinematic envelope (DKE) check	25/08/2009	31/08/09	25.1.201/BOC3349 tie INF CORR 2144/RB 04/09/09 25.1.201/BOC3428 08/02/10 tie INF CORR 3190/DC	1	1	1		M	1	3.4	12,878	0	0	0	12,878	1,288	953	0	15,119	15,119	-0	N/A	All	15,119		
473	60		Construction of 3 no. sewer protection slabs and new chamber at Lindsay Road	20/08/2009	28/08/09	tie INF CORR 2090/MP 25.1.201/IL3384 04/09/09 tie INF CORR 2244/MB	1	1	0		I	1	3.4	0	0	0	0	0	0	0	0	0	0	0	VPS	8	1A	0	
474		135	Additional manhole requirement - Section 5B	27/08/2009	30/09/09	25.1.201/GC3364 25.1.201/CF3650 18/12/09 tie INF CORR 2826/TC 14/01/10 25.1.201/CFU4378 08/02/10 tie INF CORR 3385/DC	1	1	1		I	1	1,2,3	0	5,673	0	0	5,673	420	993	0	7,086	7,086	-0	N/A	5B	7,086		
475		105	A8 Underpass - BT works - Slew 2 way and 4 way ducts	11/09/2009	01/10/09	25.1.201/CF3478 09/10/09 tie INF CORR 2652/GMcG 14/12/09 tie INF CORR 2600/GMcG tie INF CORR 2991/AS	1	1	1		I	1	1,2,3	0	74,144	0	0	74,144	7,344	5,487	12,975	99,950	94,954	4,996	VPS	2	5C		

CEC00630014_0196



ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

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Change Order issued

Ref	Refs. tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)										Allocation of Cost		Section See Notes	Change Order Value			
														£ Submitted										E Agreed	E Not Agreed			Psum or VE	Number	
														SDS	Bilfinger	Siemens	CAF	Sub-total	OH & P	Consortium Prelims	Other Prelims	Total								
476	65		Tram Stops Development Workshop - changes arising	28/08/2009	03/09/09 29/09/09 14/10/09 06/01/10	tie INF CORR 2143/RB 25.1.201/JH/3423 25.1.201/CS/3633 25.1.201/CS/3776 25.1.201/BOC/4325	1	1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
477			Sub Station Development Workshop - changes arising	28/09/09	03/09/09 29/09/09 23/11/09 13/01/10 15/01/10	25.1.201/JH/3424 25.1.201/JH/3608 25.1.201/CS/3634 SDS-ULE90130-SW-LET-01760 SDS-ULE90130-SW-LET-01842 25.1.201/JH/4399			0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	
478			Issued to Closeout CEC Roads TAA Sign Off	04/09/09	01/07/09 20/07/09 01/09/09	SDS-ULE90130-01-LET-1040 25.1.201/BOC/3687 SDS-ULE90130-SW-LET-01691 25.1.201/JH/3435 tie INF CORR 2527/DS tie INF CORR 2527/DS 25.1.201/JH/3825 10/02/10			0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1	0	
479	61		Proposed sewer lining at Water of Leith Bridge	08/09/09	31/08/09 13/11/09 17/11/09 12/01/10 20/01/10	tie INF CORR 2151/DC 25.1.201/GC/3461 tie INF CORR 2825/TC 25.1.201/MRH/4038 tie INF CORR 3028/TC 25.1.201/GA/4372 25.1.201/DAT/4442	1	1	1		I	1	1,2,3	0	44,261	0	0	44,261	4,426	3,275	7,746	59,709	0	59,709	0	0	N/A	5A	0	
480			IFC drawings - Airport flood prevention measures	11/12/2009	17/12/09 20/01/10	25.1.201/OH/4220 tie INF CORR 3065/GMCG 25.1.201/OH/4447			N/A		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0	
481			Tower Place bridge bespoke parapet	23/09/09	04/09/09 02/10/09	SDS-ULE90130-01-LET-01064 25.1.201/JH/3688																								
482			CEC's request for a turning head at Depot	23/09/09	20/08/09 31/08/09 28/09/09 02/10/09 14/10/09 23/10/09 06/01/10 11/01/10 14/01/10	25.1.201/BOC/3326 SDS-ULE90130-06-LET-00127 25.1.201/JH/3562 SDS-ULE90130-06-LET-00162 25.1.201/BOC/3681 tie INF CORR 3228/DS 25.1.201/JH/3876 25.1.201/BOC/4325 tie INF CORR 3118/DS 25.1.201/CBR/4389			1		I	1	1,2,3	4,951	0	0	0	4,951	495	366	0	5,812	0	5,812	0	0	N/A	6	0	
483	67		Changes to sub-stations arising from development workshops	15/09/09	07/09/09 02/10/09	tie INF CORR 2298/DC 25.1.201/OJ/3505 25.1.201/CS/3673			1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0
484	72		Culvert 1 - Excavation below formation level	16/09/2009	06/10/09	25.1.201/GC/3513 tie INF CORR 2537/GMCG			1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	7	0
485			Manderston Street operational track cross over	21/09/09	17/09/09 22/09/09 22/01/10 25/01/10	tie INF CORR 2372/TG ETN(BSC)TIECC&ABC#053720 ETN(BSC)TIECC&ABC#053721 tie INF CORR 3188/LM tie INF CORR 2663/TG			0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1B	0
486		105	TRO Changes September 2009	23/09/09	21/09/2009 23/09/09 28/09/09 12/10/09	SDS-ULE90130-SW-LET-01725 25.1.201/BOC/3565 tie INF CORR 2480/SJ 25.1.201/JH/3607 25.1.201/CBR/3750	1		1	1	I	1	1,2,3	2,922	0	0	0	2,922	292	216	0	3,430	3,430	-0	0	0	N/A	All	3,430	
487	70		Gogar Depot South embankment reinstatement and water supplies	18/09/2009	18/09/2009	tie INF CORR 2371/JO	1	1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5C	0
488			Development workshop for drainage - changes arising	28/09/2009	28/09/09 14/10/09 11/12/09 21/12/09 06/01/10 21/01/10 03/02/10	25.1.201/JH/3813 25.1.201/JH/3614 25.1.201/SRO/3784 tie INF CORR 2978/GM SDS-ULE90130-SW-LET-01798 25.1.201/BOC/4325 25.1.201/IB/4455 SDS-ULE90130-SW-LET-01843			0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0
489			Piling obstructions encountered at guided busway	28/09/2009	05/02/10	25.1.201/GC/3630 25.1.201/CFU/4575			1		M	1	1,2,3	0	12,000	0	0	12,000	1,200	888	2,100	16,188	0	16,188	0	0	N/A	5B	0	
490			Testing to carriageway at Leith Walk	23/10/2009	17/12/09 01/02/10	25.1.201/DMP/01/4278 tie INF CORR 3351/SBA tie INF CORR 2468/ES	1		1		M	1	1,2,3	0	40,176	0	0	40,176	4,018	2,973	7,031	54,198	30,670	23,528	0	0	N/A	1B	0	
491	69		Diversion of cables at Tower Place bridge	25/09/2009	02/10/09 02/10/09 13/10/09 25/11/09	25.1.201/IL/3686 25.1.201/BOC/3677 tie INF CORR 2616/MB 25.1.201/BOC/4101	1	1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	VPS	2	1A	0
492			IFC drawing changes - Haymarket Car Park	27/10/2009	22/12/09 06/01/10	25.1.201/IL/3689 tie INF CORR 3085/TC 25.1.201/MRH/4313			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0	
493			Base Date Design to Issued for Construction Drawings - Murrayfield Stadium Tram Stop	05/10/2009		25.1.201/IL/3688			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0	
494			IFC drawing changes - Section 5A - Ducting and Cable Routes	27/10/2009		25.1.201/IL/3892			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5A	0	
495			IFC drawing changes - Section 5C - Ducting and Cable Routes	27/02/2009		25.1.201/IL/3893			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	5C	0	
496			IFC drawing changes - Section 1A - Ducting and Cable Routes	27/10/2009	30/11/09 08/12/09 21/01/10 28/01/10	25.1.201/IL/3891 tie INF CORR 2941/MB 25.1.201/MRH/4191 tie INF CORR 3224/MB 25.1.201/MRH/4513			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1A	0	
497			Princes street arches	14/10/09	08/10/09 14/10/09 03/02/10 11/02/10 12/02/10	SDS-ULE90130-SW-LET-01748 25.1.201/JH/3777 25.1.201/JH/3779 tie INF CORR 3352/SG 25.1.201/JH/4639 25.1.201/JH/4654			0		M	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C/1D	0
498			Reserved for Ian Little																											
499	78		Frederick Street pedestrian crossing	16/10/09	09/10/09 16/10/09 24/11/09 26/11/09 01/12/09 02/12/09 06/01/10 11/01/10 14/01/10	SDS-ULE90130-01-LET-01076 25.1.201/JH/3815 tie INF CORR 2865/DC 25.1.201/JH/4109 25.1.201/JH/4144 25.1.201/MRH/4155 25.1.201/BOC/4325 tie INF CORR 3118/DS 25.1.201/CBR/4389	1	1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0
500	75		Picardy Place - redesign north side to incorporate a fourth lane eastbound	14/10/2009	16/10/09 21/10/09 22/10/09 27/10/09 30/10/09 11/01/10 14/01/10	tie INF CORR 2620/DC 25.1.201/MRH/3816 tie INF CORR 2656/DC 25.1.201/JH/3857 25.1.201/CBR/3895 25.1.201/CBR/3931 tie INF CORR 3118/DS 25.1.201/CBR/4389	1	1	0		I	1	1,2,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	1C	0
501	74 74a		RBS Tramstop - Provide Future Proofing	14/10/2009	16/10/09 23/10/09 29/10/09 29/10/09 13/11/09 17/11/09 11/12/09 04/02/10 08/02/10	tie INF CORR 2621/JO 25.1.201/MRH/3818 25.1.201/JH/3877 25.1.201/JH/3856 tie INF CORR 2706/JO tie INF CORR 2840/JO 25.1.201/MRH/4037 25.1.201/BOC/4235 SDS-ULE90130-SW-LET-01874 25.1.201/JH/4596	1	1	1		I	1	1,2,3	7,248	0	0	0	7,248	725	536	0	8,509	0	8,509	0	0	VPS	9	7	0
502		136	Additional excavation at Carrick Knowe North Abutment	19/10/2009	28/10/09 06/11/09 26/01/10 08/02/10	25.1.201/GC/3832 tie INF CORR 2702/TC 25.1.201/CF/3972 25.1.201/CFU/4493 tie INF CORR 4018/SB	1		1	1	I	1	1,2,3	0	313	0	0	313	Incl	23	54	391	391	-0	0	0	N/A	5B	391	
503			Track side signage	20/10/09	21/07/09	tie INF CORR 1815/DS ETN(BSC)TIECC&ABC#053771			0		I	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	All	0	

CEC00630014_0197



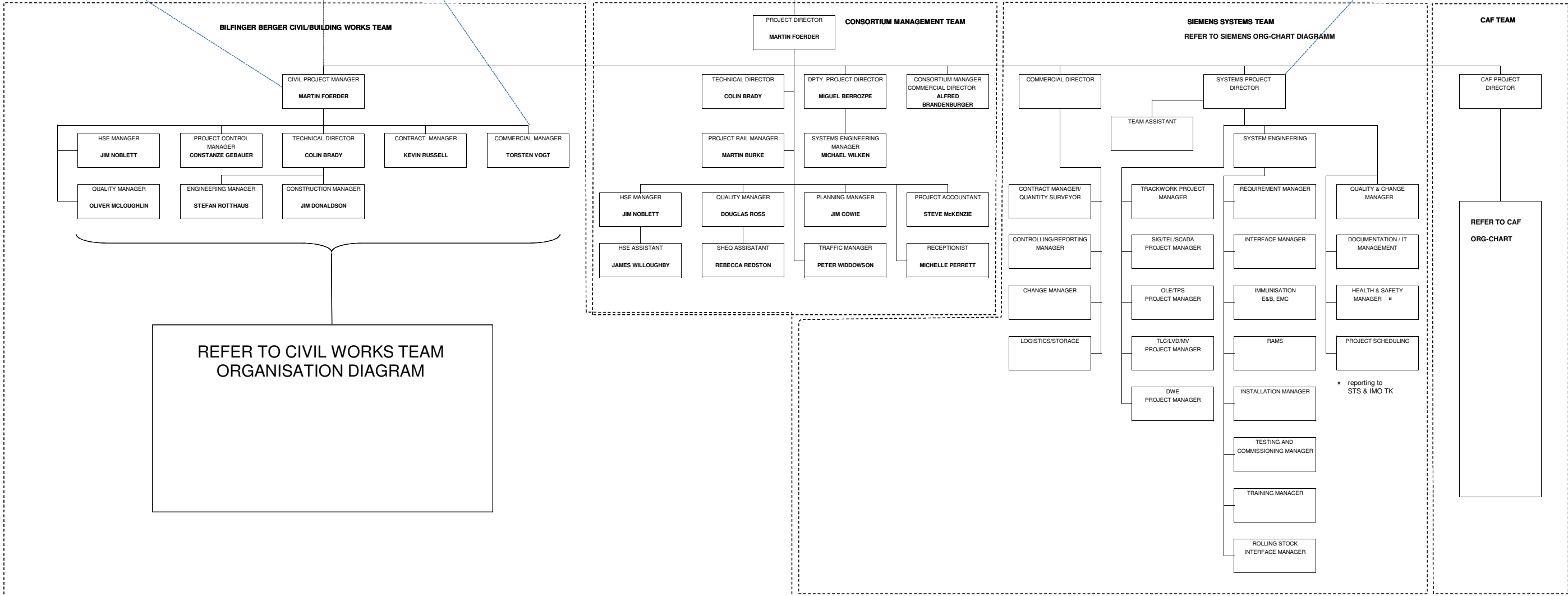
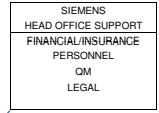
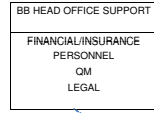
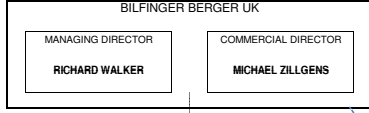
ETN INFRACO NOTIFICATION OF tie CHANGE (INTC)
CONFIDENTIAL

Withdrawn/Superseded/no cost
Delay Only
Change Order issued

Ref	tie	tie Change Order TCO	Description	Date Notified	Date of further letters	Letter Ref	Agreed in principle	TNC? 1=Y	Estimate issued? 1=Y, 0=N	Change Order? 1=Y	Type See Notes	Change Type See Notes	Pricing Method See Notes	Value Estimate (GBP)							Allocation of Cost		Section See Notes	Change Order Value			
														£ Submitted	OH & P	Consortium Prelims	Other Prelims	Total	£ Agreed	£ Not Agreed	Psum or VE	Number					
														SDS	Bilfinger	Siemens	CAF										

- Notes**
- Type Column1
- D = Notified Departure Deemed tie Change
 - M = Notified Departure Mandatory tie Change
 - I = tie Instruction
- Change type
- 1 tie Change
 - 2 Infraco Change
 - 3 Small Works Change
 - 4 Accommodation Works Change
 - 5 Qualifying Change in Law
 - 6 Network Expansion
 - 7 Labour & Landfill Tax Fluctuations
- Pricing
- 1 = Schedule of Rates
 - 2 = Derived Rates
 - 3 = Fair Rates and Prices
 - 4 = Actual Cost
- Or any combination
- Allocation of Cost
- DPS Defined Provisional Sum
 - VPS Undefined Provisional Sum
 - VE Value Engineering
 - FVE Further Value Engineering
 - N/A None of the above

10.8 Organisation Charts



**EDINBURGH TRAM NETWORK
INFRACO ORGANISATION CHART**

REV24 01/01/2010

BSC Infracore Consortium Office
 9 Lochside Avenue
 Edinburgh
 EH12 9DJ

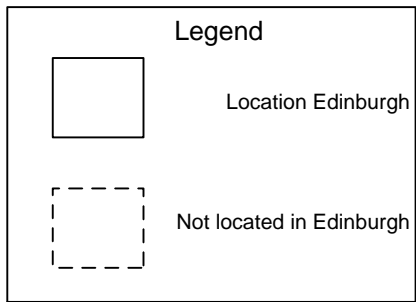
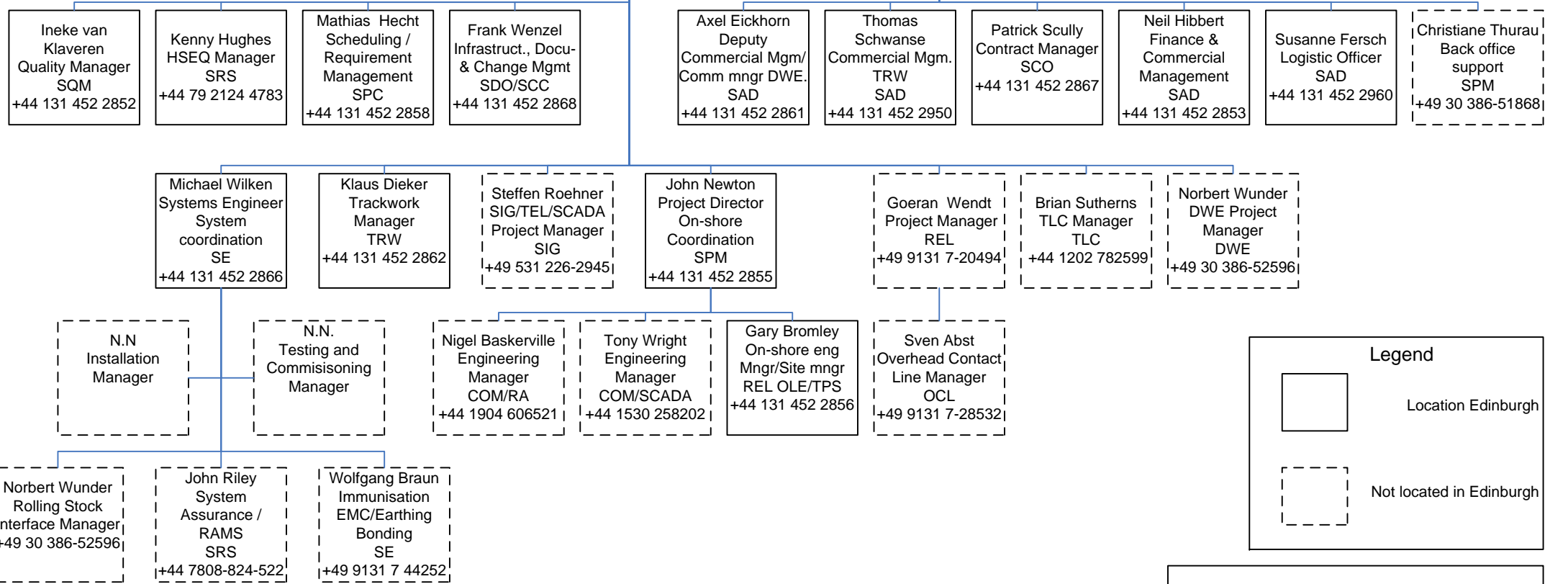
ETN – Edinburgh Tram Network

Working Chart
 Execution Phase
 SPM: Siemens Project Management
 ETN(SPM\$MG&ABB#050486
 Rev G 08.02.2010

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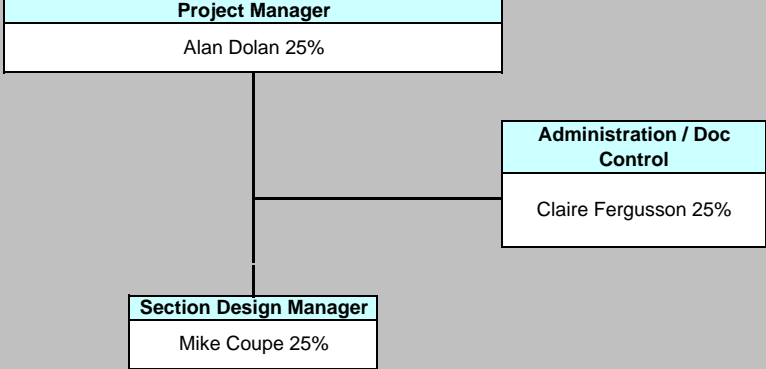
Alfred Brandenburger
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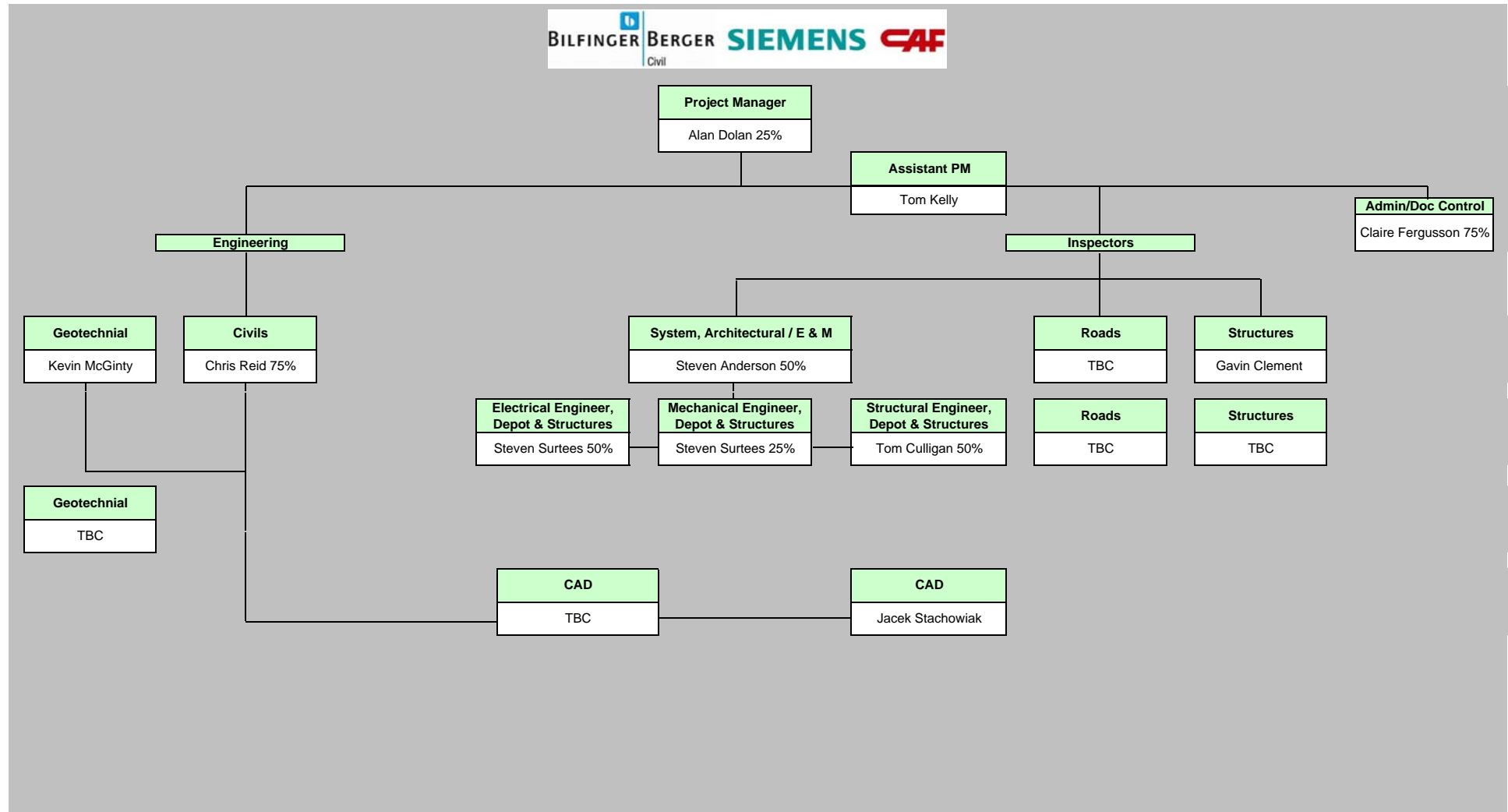


Approved: Berrozpe
 Checked: (Brandenburger, Frentz)
 Prepared: (van Klaveren)
 File: ETN(SPM\$MG&ABB#050486_G.vsd
 Valid as of: 08.02.2010

CEC00630014_0203

10.9 Development Workshops





Misalignment Matrix

Version

21/11/2009

No.	Reference	Discipline	Item	Description / Scope of Work	Development Workshop	Date (scheduled)		Development Workshop Report and tie Instructions	
						BSC (SDS) Internal	confirmed date (tie)	current version issue date	completed
1	Appendix 4	Civils	Power	Power distribution equipment foundation design	Substations	11/06/2009	05/08/2009	29/09/2009	
2	Appendix 4	Civils	OLE	OLE support foundation design	OLE			11/03/2009	yes
3	Appendix 4	Civils	Bridges / Ret. Walls	Brief for any additional SI required	None at present	None known at present			
4	Appendix 4	OLE	OLE	Detailed design - catenary	OLE			11/03/2009	yes
5	Appendix 4	OLE	OLE	Detailed design - auto tensioned	OLE			11/03/2009	yes
6	Appendix 4	OLE	OLE	Building Fixing Report including design/approvals (excluding detailed wiring design and detailed building fixings locations)	OLE			11/03/2009	yes
7	Appendix 4	OLE	OLE	Pantograph interface and performance characteristics	OLE			11/03/2009	yes
8	Appendix 4	OLE	OLE	Typical cross sections and detailed cross sections	OLE			11/03/2009	yes
9	Appendix 4	OLE	OLE	Proposal for poles, wiring arrangements and the tensioning equipment	OLE			11/03/2009	yes
10	Appendix 4	OLE	OLE	Technical and performance specification for the OLE	OLE			11/03/2009	yes
11	Appendix 4	OLE	OLE	Proposal for equipment type and method of supporting the equipment along the route, including the wall fixings	OLE			11/03/2009	yes
12	Appendix 4	OLE	OLE	Detailed wiring layout design	OLE			11/03/2009	yes
13	Appendix 4	OLE	OLE	Detailed survey work including building location, height and condition; ground condition and pole location surveys	OLE			11/03/2009	yes
14	Appendix 4	OLE	OLE	Depot OLE Design	OLE			11/03/2009	yes
15	Appendix 4	OLE	OLE	Specify forces & moments for masts	OLE			11/03/2009	yes
16	Appendix 4	OLE	OLE	Mast foundations	OLE			11/03/2009	yes
17	Appendix 4	Power	Power Supplies	Substation external and Distribution design and approvals	Substations	11/06/2009	05/08/2009	29/09/2009	
18	Appendix 4	Power	Power Supplies	Substation internal and Distribution design and approvals	Substations	11/06/2009	05/08/2009	29/09/2009	
19	Appendix 4	Power	Power Supplies	Specify ducting requirements & mast to receive power supply	Radio Mast	31/03/2009	None known at present		
20	Appendix 4	Power	Power Supplies	Design ducting from substation to specified mast	Substations	11/06/2009	05/08/2009	29/09/2009	
21	Appendix 4	Power	Power Supplies	Substation Civil/Building design	Substations	11/06/2009	05/08/2009	29/09/2009	
22	Appendix 4	Power	Earthing and Bonding	Outline schematic cabling routing, earthing and bonding arrangements	Earthing + Bonding	10/06/2009	11/08/2009	14/10/2009	
23	Appendix 4	Power	Earthing and Bonding	Draft system earthing policy	Earthing + Bonding	10/06/2009	11/08/2009	14/10/2009	
24	Appendix 4	Power	Earthing and Bonding	Typical detail sketches of earthing and bonding solutions as required	Earthing + Bonding	10/06/2009	11/08/2009	14/10/2009	
25	Appendix 4	Power	Earthing and Bonding	Detail designs of earthing & bonding solutions as required	Earthing + Bonding	10/06/2009	11/08/2009	14/10/2009	
26	Appendix 4	Power	Earthing and Bonding	Selection of specific earthing & bonding components	Earthing + Bonding	10/06/2009	11/08/2009	14/10/2009	
27	Appendix 4	Power	Power Supplies	Determine traction power distribution equipment and principal component locations	TPS	Covered by Substation			
28	Appendix 4	Power	Power Supplies	Specification of traction power equipment and draft typical principal component locations	TPS	Covered by Substation			
29	Appendix 4	Power	Power Supplies	Relevant schematics and diagrams showing trackside traction equipment	OLE			11/03/2009	yes
30	Appendix 4	Power	Power Supplies	Review overhead line/cable make-up proposed	OLE			11/03/2009	yes
31	Appendix 4	Power	Power Supplies	Define overhead line/cable electrical make-up conductor and cable sections and cable materials	OLE			11/03/2009	yes
32	Appendix 4	Power	Power Supplies	Review traction supply substation positions proposed	Substations	11/06/2009	05/08/2009	29/09/2009	
33	Appendix 4	Power	Power Supplies	Define traction supply substation positions and rating	Substations	11/06/2009	05/08/2009	29/09/2009	
34	Appendix 4	Power	Power Supplies	Overhead line/cable make-up and traction supply substation positions input into Traction Power Study	TPS	Covered by OLE & Substation			
35	Appendix 4	Power	Power Supplies	Review results of traction power study. Revise make-up and traction supply substation positions and ratings as necessary	TPS	Covered by Substation			
36	Appendix 4	Power	Power Supplies	Track power feeding and sectioning diagrams for main lines and Depot	OLE			11/03/2009	yes
37	Appendix 4	Power	Power Supplies	Traction supply substation schematic drawings	Substations	11/06/2009	05/08/2009	29/09/2009	
38	Appendix 4	Power	Power Supplies	Feed track bed electrical stray current control requirements to track discipline	Earthing + Bonding	10/06/2009	11/08/2009	14/10/2009	
39	Appendix 4	Power	Power Supplies	Feed traction power distribution design information for the depot building and track system within the Depot complex, incorporating isolator interlocking with Depot plant and the items within the general scope above, to the Overhead Line Equipment and Depot disciplines	TPS	Covered by OLE, Depot & Substation			

No.	Reference	Discipline	Item	Description / Scope of Work	Development Workshop	Date (scheduled)		Development Workshop Report and tie Instructions	
						BSC (SDS) Internal	confirmed date (tie)	current version issue date	completed
40	Appendix 4	Power	Power Supplies	Work in conjunction with the Auxiliary Power discipline to specify the optimum method of supplying the Depot services power supply requirements, and feed into the appropriate Specifications	TPS	Covered by Depot & Substation			
41	Appendix 4	Power	Power Supplies	Traction power design report on overhead line/cable electrical make-up, traction supply substation positions, ratings, tram loadings, protection settings, load/fault discrimination, pantograph voltages and rail touch voltages	TPS	Covered by Substation			
42	Appendix 4	Power	Power Supplies	Draft traction supply substation equipment specification for traction supply substation procurement	Substations	11/06/2009	05/08/2009	29/09/2009	
43	Appendix 4	Power	Power Supplies	Feed overhead line/cable electrical make-up, including parallel support cabling,	OLE			11/03/2009	yes
44	Appendix 4	Power	Power Supplies	Feed traction power SCADA requirements to Systems and Communications discipline	TPS	Covered by Substation			
45	Appendix 4	Power	Power Supplies	Specify to Scottish Power the high and low voltage supply requirements as appropriate for traction, Depot services and substation building services	Substations	11/06/2009	05/08/2009	29/09/2009	
46	Appendix 4	Power	Switch heating	Switch heating specification	Points Heating	None known at present			
47	Appendix 4	Power	Permanent Way	Points heating	Points Heating	None known at present			
48	Appendix 4	Power	Power Supplies	Power distribution equipment foundation design	Substations	11/06/2009	05/08/2009	29/09/2009	
49	Appendix 4	Power	Power Supplies	Depot Substation and Distribution Design	Substations	11/06/2009	05/08/2009	29/09/2009	
50	Appendix 4	Supervisory, Control & Communications	Supervisory, Control & Communications	Define loop location	SCC		03/06/2009	24/09/2009 Draft	
51	Appendix 4	Tram Stops	Passenger Info	Provision for Passenger Information System	Tramstops	09/06/2009	04/08/2009	29/09/2009	
52	Appendix 4	Tram Stops	Passenger Info	Component selection Passenger Information System	Tramstops	09/06/2009	04/08/2009	29/09/2009	
53	Appendix 7, Part C	Accommodation Works		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	None at present	None known at present			
54	Appendix 7, Part C	Building (Depot)		Liaison on steelwork design for Depot Building may be required to allow BBS to comply with BAA requirements for notice period to lower crane jibs if BAA require use of the auxiliary runway. Any re-design is unlikely or minimal	None at present	None known at present			
55	Appendix 7, Part C	Drainage		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	Drainage	25/06/2009	25/08/2009	14/10/2009	
56	Appendix 7, Part C	Drainage		Requirements for maximising use of and connection to existing drainage network to be confirmed.	Drainage	25/06/2009	25/08/2009	14/10/2009	
57	Appendix 7, Part C	Earthworks		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	None at present	None known at present			
58	Appendix 7, Part C	Earthworks		Requirements for excavation and filling below Earthworks Outline to be designed and specified and assessment of anticipated formation conditions	Trackform			11/03/2009	yes
59	Appendix 7, Part C	Earthworks			Trackform			11/03/2009	yes
60	Appendix 7, Part C	Earthworks		Formation requirements to be confirmed.	Trackform			11/03/2009	yes
61	Appendix 7, Part C	Earthworks		Requirements for excavation and disposal of contaminated material and refilling of void, to be designed and specified.	None at present	None known at present			
62	Appendix 7, Part C	Earthworks		Special geotechnical measures, e.g. embankment slope steepening (by selection of fill type, re-enforced earth) cut slope steepening (by slope drains, buttresses, soft nails) soft ground treatment (by surcharging/consolidation, load transfer platforms) to be designed and specified.	None at present	None known at present			
63	Appendix 7, Part C	Earthworks		Design special Geotechnical measures for Gogar Landfill Site. Solution to be developed.	None at present	None known at present			
64	Appendix 7, Part C	Geometry, Horizontal Alignment		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC design	Vertical and Horizontal Alignment	None known at present			
65	Appendix 7, Part C	Geometry, Horizontal Alignment		Confirmation required that alignment is compatible with CAF Tram DKE and LOD.	Vertical and Horizontal Alignment	DKE Workshop possible			
66	Appendix 7, Part C	Landscaping		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC design	None at present	None known at present			

No.	Reference	Discipline	Item	Description / Scope of Work	Development Workshop	Date (scheduled)		Development Workshop Report and tie Instructions	
						BSC (SDS) Internal	confirmed date (tie)	current version issue date	completed
67	Appendix 7, Part C	OLE Foundations		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	OLE			11/03/2009	yes
68	Appendix 7, Part C	Roads		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	Roads			27/02/2008	yes
69	Appendix 7, Part C	Roads		Subject to survey, pavement design to be developed and finalised to minimise work scope	Roads			27/02/2008	yes
70	Appendix 7, Part C	Roads		Further pavement surveys and assessments are required.	Roads			27/02/2008	yes
71	Appendix 7, Part C	Site Clearance		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC design	None at present	None known at present			
72	Appendix 7, Part C	Site Clearance		Design to be completed to IFC status, all design consents and approvals obtained.	None at present	None known at present			
73	Appendix 7, Part C	Sub-station Buildings		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	Substations	11/06/2009	05/08/2009	29/09/2009	
74	Appendix 7, Part C	Systems and Power Cable Ducts		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	System and Power-cable ducts	24/06/2009	Covered by Substation & Tramstop		
75	Appendix 7, Part C	Trackform		Design to be completed to IFC status, all design consents and approvals obtained	Trackform			11/03/2009	yes
76	Appendix 7, Part C	Trackform		Cross sections required to reflect BBS's selected track system, including minimum track construction depths (top of rail to formation) with corresponding formation condition requirements	Trackform			11/03/2009	yes
77	Appendix 7, Part C	Trackform		Cross sections required to reflect BBS's selected track system, including minimum track construction depths (top of rail to formation) with corresponding formation condition requirements	Trackform			11/03/2009	yes
78	Appendix 7, Part C	Tramstops		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	Tramstops	09/06/2009	04/08/2009	29/09/2009	
79	Appendix 7, Part C	Vertical Alignment		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	Vertical and Horizontal Alignment	None known at present			
80	Appendix 7, Part C	Vertical Alignment		Revise alignment, where possible and where Programme permits for on street section to minimise Roads work-scope	Roads			27/02/2009	yes
81	Appendix 7, Part C	Vertical Alignment		Revise alignment, where possible and where Programme permits to minimise Roads work-scope	Roads			27/02/2009	yes
82	Appendix 7, Part C	Vertical Alignment		Revised alignment required to facilitate direct fixing of rails to structures and guideway.	Vertical and Horizontal Alignment	None known at present			
83	Appendix 7, Part C	Vertical Alignment		Revised alignment required to facilitate direct fixing of rails to structures	Vertical and Horizontal Alignment	None known at present			
84	Appendix 7, Part C	W1 Lindsay Road		Design to be completed to IFC Status, all design consents and approvals obtained and BBS will construct IFC Design	None at present	None known at present			
85	Appendix 7, Part C	S16 Victoria Dock Entrance		Design to be completed to IFC Status, all design consents and approvals obtained and BBS will construct IFC Design	Vertical and Horizontal Alignment	None known at present			
86	Appendix 7, Part C	S17 Tower Place		Design to be completed to IFC Status, all design consents and approvals obtained and BBS will construct IFC Design	Vertical and Horizontal Alignment	None known at present			
87	Appendix 7, Part C	S18 Leith Walk Railway		Design to be completed to IFC Status, all design consents and approvals obtained and BBS will construct IFC Design	Vertical and Horizontal Alignment	None known at present			

Bilfinger Berger – Siemens – CAF Consortium

10.10 Issues and Concerns

Not Applicable