





# EDINBURGH TRAM NETWORK INFRACO CONTRACT

PERIOD REPORT No 4-2 TO 21 MAY 2011







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#### 1 EXECUTIVE SUMMARY

#### HSQE:

In Period 4-1, 38,001 hours were worked, of which 23,304 were site hours with 15 recorded incidents.

# **Programme & Progress:**

In order to provide visibility into the overall progress of the works as agreed during the Mediation and subsequent ongoing discussions, the Infraco will monitor progress of the Works against the "Programme following Mediation on 8 – 12 March 2011 (110506) Prioritised Works" (Revision 3).

Progress achieved up to 13 May 11 has been recorded and there are no delays to any of the Planned Sectional Completion Dates.

Work has recommenced on the Depot, Depot Access Bridge, A8 Underpass and Haymarket Yards and work has commenced on the mini test track within Section 5C. Infraco are making arrangements to facilitate the enabling works to facilitate the Traffic Management to divert traffic from Princes Street to allow commencement of the Remedial Works and outstanding works to Princes Street from 2 July 2011.

# Design:

It has been confirmed and agreed that Infraco shall self certify that the civils and systems and trackwork Design is in accordance with the Employer's Requirements.

It has been confirmed and agreed that tie shall have no right or obligation to review and/or approve the civils and systems and trackwork Design and the Infraco shall be relieved of its obligations under Clause 10 and Schedule Part 14 of the Infraco Contract in so far as they relate to the civils and systems and trackwork Design.

Significant progress was made to complete the design by end of April 11 and by and large this was achieved; however, there are a number of exclusions predominantly design changes or linked to design changes.

E&M Systems design is substantially complete for all disciplines or system lots.

#### **Tram Vehicles:**

Tram manufacturing is completed at CAF Irun premises and Factory tests are outstanding only for Tram unit No 27.

Tram No 2 was delivered to Edinburgh on 25 April 10. Tram No 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 and 26 are







ready for delivery to Edinburgh though Factory Acceptance Routine Test Certificates for Trams No 23, 24 and 25 have not yet been issued. Invitation for final inspection and reception for Tram unit 26 has been scheduled for May 11.

#### Mediation:

The City of Edinburgh Council, *tie* and Infraco together with Transport Scotland engaged in Mediation discussions during the week commencing 7 March 11.

The talks were constructive and we have established a mutual understanding of the key issues that have been impeding the progress of the works. We continue to work together to firm up the framework for our future working arrangements and the successful delivery of the Project.

On 12 May 2011, CEC released an Edinburgh Tram Update report dated 16 May 2011 in advance of a City of Edinburgh Council meeting scheduled for 16 May 2011 which outlines progress since the Mediation.

# 2 HSQE

# 2.1 Health & Safety

The next Workforce Consultation meeting will take place on 2 June 11.

The next OHS meeting is scheduled for 24 May 11.

March A to B Newsletter was issued on 9 May 11.

Random drug and alcohol tests were carried out - no issues.

Bilfigner Berger internal Health & Safety Audit carried out on 20 April 11- no NCRs recorded.

# 2.1.2 Accidents, Incidents and Near Misses/Unsafe Conditions: Period 4-1 records up to 23 April 2011 is as follows:

15 No incidents recorded in Period 4-1.

The AFRs at the end of Period 4-1:

Project AFR: 0.13 KPI AFR for 2010/2011: 0.00

Total Hours worked in Period 4-1:

Total: 38,001 Non site hours = 14,697 Site Hours = 23,304

Contractor Period HS&E Return for Period 4-1 is attached at Appendix 10.1.

Edinburgh Tram Network Infraco Contract: Period Report No 4-2, to 21 May 2011

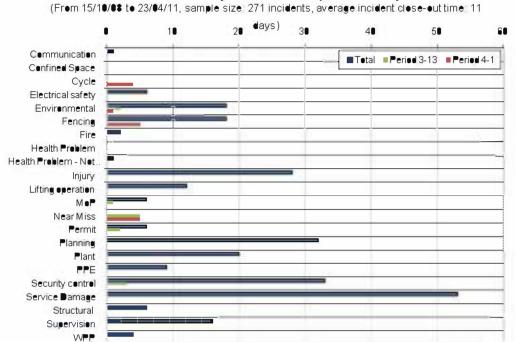






# 2.1.3 Rolling Trend Analysis for Period 4-1 up to 23 April 2011 on Safety and Environmental Related Activities.

Bilfinger Berger - Siemens - CAF Health & Safety Incidents - Topic Summary



# 2.2.1 Environment

2.2.2 No significant update from previous period report.

# 2.3 Any Other Business Nil.

# 2.4 Quality

# 2.4.1 Quality Management System

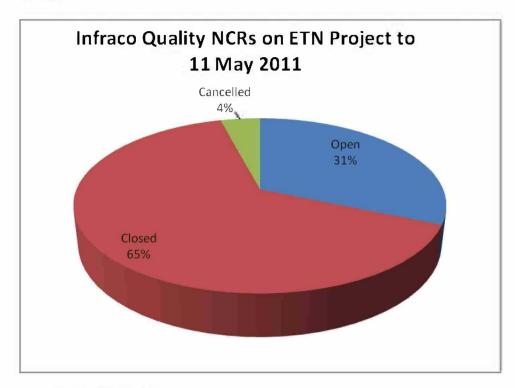
42 Infraco ITPs have been submitted to *tie*. 38 are 'Level A – No Objection', 2 at Level B and 2 at Level C. A further 2 E&M related ITPs have been submitted for information.







# 2.4.2 NCRs



#### NCRs in Period 4-1

Raised in Current Period	2
Closed in Current Period	0
Cancelled in Current Period	0

# NCRs in Period 4-2 to 11 May 11

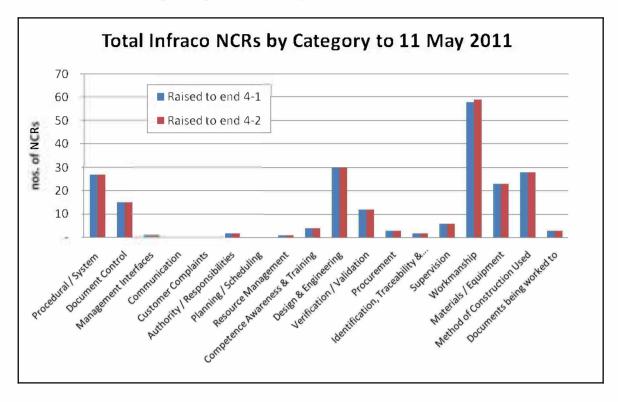
Raised in Current Period	1
Closed in Current Period	4
Cancelled in Current Period	0







The latest trending histogram for Quality NCRs is shown below.



# 2.4.3 Audits

During the reporting period 1 no. internal audit was carried out at Expanded works on the Depot Access Bridge.

#### 3. PROGRAMME

#### 3.1. Programme

In order to provide visibility into the overall progress of the works as agreed during the Mediation and subsequent ongoing discussions, the Infraco will monitor progress of the Works against the "Programme following Mediation on 8 – 12 March 2011 (110506) Prioritised Works" (Revision 3).

This Progressed Programme for the Period is included at Appendix 10.2 of this report.

The report records progress achieved up to 13 May 11.

At this time, Works at Princes Street, Haymarket Corridor, A8 Underpass, Depot Access Bridge, the Mini Test Track, and the Gogar Depot have been filtered as an abstract from the overall programme







# **Summary of Planned Sectional Completion Dates:**

Section	Update Including Progress to 13 May 2011	Programme following Mediation 8-12 March 2011 (110506) Prioritised Works (Revision 3)
Α	16 December 2011	16 December 2011
В	07 February 2013	07 February 2013
С	27 October 2013	27 October 2013
D	25 January 2014	25 January 2014

The Critical Path through the Prioritised Works to the Section C completion date in the Update Programme is as follows:

Section 06A Trackwork sequence / Track Finishes / Overhead Catenary / OCS Testing and Commissioning to 16 Dec 2011.

# 3.2 Look Ahead Programme

The Look-Ahead programme in Appendix 10.3 is an extract from the Prioritised Works programme updated with progress of the works recorded and assessed to 13 May 11.

This programme provides the required 4 week period and is extended to cover the period 14 May to 5 August 11.

#### **Testing**

On-Street and Murrayfield area Geo-technical Testing was planned to commence on 3 May 11. This work will now commence on 28 May 11 due to conflict with SRU events.

#### Section 1C/D

Princes Street (Ref. Section 4.1.3.1/2)

Attention to Safety Critical Works continue, and works are programmed when necessary.

Traffic Management enabling works are planned to commence on 6 June 11. Re-commencement of Princes Street works is currently planned for 4 July 11.

On 11 May 2011, CEC, tie and Infraco met with stakeholders and the media to inform them of the upcoming works on Princes Street.

#### Section 2

Haymarket Corridor (Ref. Section 4.1.3.3)

Construction of Haymarket Yards re-commenced on 3 May 11. Works started in Phase 2 and are progressing to programme.

# Section 5A

(Ref. Section 4.1.3.4)

Demolision Works at Roseburn Garage etc and Sewer Enabling Works are planned to commence on 4 July 11.

#### Section 5C

Depot Access Bridge (Ref. Section 4.1.3.8)







The bridge is substantially complete with completion Works due to finish by 20 May 11.

#### A8 Underpass

Finishes to Phases 1 & 2 are ongoing to programme.

Deck construction on Phase 4 are also ongoing to programme with 24 % progress to the Data Date of 13 May 11.

#### Mini Test Track

Works are progressing to programme.

#### Section 6

(Ref. Section 4.1.3.5)

Works re-commenced on 4 April 11 and are progressing to programme. Criticallity of the track laying activity through to commissioning is visible and remains the focus of works in the depot.

# 3.3 Tramco Programme Status

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

# 4 PROGRESS

#### 4.1 CIVIL & BUILDING WORKS

# 4.1.1 Civil & Building Design Design Issues

#### 4.1.1.1 Timelines for Close Out of Design

Significant progress was made to complete the design by end of April 11 and by in large this was achieved; however, there are a number of exclusions outlined below. The exemptions are predominantly design changes or linked to design changes.

Infraco would request that key CEC staff (ie. Andy Conway, Andrew Renwick, Francis Newton etc) remain based in Edinburgh Park to at least the end of May 11 when the <u>majority</u> of outstanding design (including change) will be closed out.

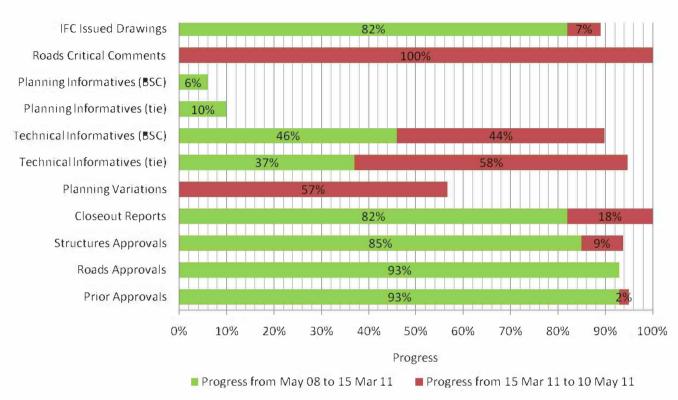
Infraco recognise the work being carried out by Francis Newton at the "back end" of the design closeout process to close out the Planning Variations and welcome the additional CEC Planning resource that has been provided to assist Francis in closing out Planning Variations / Informatives expeditiously.







Design Status Summary for breakdown of progress.



Note: Planning Informatives have not been updated for this report. These will be Updated for the next report following review of Planning Variations received to date.

# 4.1.1.2 Design that will not be Closed Out by 30 May 11:

- 1. Trackform Design.
- 2. Section 1A Drainage (FP approval required) CEC/tie to confirm.
- 3. Section 2A "special" OLE Foundation designs.
- 4. Edinburgh Gateway.
- 5. Picardy Place/Section 1C2 Roads Approval (& Planning Variation for this batch).
- 6. St Andrew Square Public Realm Design Works.
- 7. Airport Canopy & Kiosk.
- 8. Roseburn Viaduct.
- 9. Murrayfield Retaining Walls (S21 B D) Ground Improvement Works.
- 10. Floating Track Slab Design.
- 11. York Place Terminal Point.
- 12. Cathedral Lane Substation Design.
- 13. Close Out of Final Signalling Works.
- 14. Lindsay Road Cycle Paths.
- 15. Forth Ports Fencing Requirements.
- 16. Forth Ports Cruise Liner Terminal Road (Full Planning Approval required).
- 17. W18 Redesign to resolve LOD Issue.







- 18. W14C SEPA CAR Licence Approval.
- 19. Tram Turn Back Strategy.
- 20. A number of Planning Variations (statutory process only).
- 21. Final IDCs and Design Assurance Statements (DAS).

# 4.1.1.3 Design that will not be Closed Out by 1 July 11:

- 1. Edinburgh Gateway.
- 2. Airport Canopy & Kiosk.
- 3. York Place Terminal Point Design.
- 4. Cathedral Lane Substation Design.
- 5. Murrayfield Retaining Walls (S21 B D) Ground Improvement Works.
- 6. Floating Track Slab Design.
- 7. Section 1C2 Redesign (Picardy Place, Elder Street, York Place etc).
- 8. Final IDC and DAS.

# 4.1.1.4 List Instructions for New Design Changes or Confirmation on Scope (tiel/CEC):

- 1. Gogar Castle Access Road realignment to reduce land take/avoid tree.
- 2. Depot Access Road Turning Head relocation of turning head.
- 3. Additional Cycle path at Lindsay Road Hawthornvale.
- 4. Roseburn Viaduct (scope confirmation).
- 5. Cathedral Lane Substation (scope confirmation).
- 6. New Footpath at Ocean Drive instruction.
- 7. Incorporate new design for Ocean Terminal Bypass Road incorporate AECOM design.
- 8. Confirmation of no lettering/signage on top of tram stop shelters.
- Design of Temporary Overhead Catenary System for 'Mini Test Track' instruction.
- 10. Inclusion of Blenheim Place redesign (for TRO) within Picardy Place redesign instruction.
- 11. York Place Terminal Point Options Feasibility Report (includes estimate for final design works).
- 12. W14C SEPA CAR Licence *tie* to confirm process for ongoing monitoring works.
- 13. tie/CEC to confirm Forth Ports Approval for Section 1A drainage.
- 14. Princes Street new cycleway crossing through The Mound.
- 15. St Andrew Square Public Realm instruction to produce Clarification Report.
- 16. Lindsay Road 0 230M redesign clarification by CEC required.
- 17. Letter to confirm full closure of Princes Street and Embargo has been lifted.
- 18. Letter regarding tie's non involvement in BBS design moving forwards.
- 19. Letter covering audit (trackwork) and in general to allow BBS to complete design and agree this with CEC.
- 20. Cathedral Lane Substation change to Henderson Global Design new instruction.



# **SIEMENS**



#### Bilfinger Berger - Siemens - CAF Consortium

- 21. St Andrew Square Public Realm Design finalisation (will follow on from Item 15 above).
- 22. Letter to confirm all changes to Employer's Requirements following close out of design with CEC.
- 23. Letter to confirm Infraco are to address some of the Planning Informatives for NIL Future Proofing works.
- 24. Letter to instruct Infraco to carry out track crossing and associated works for Scottish Water in vicinity of depot.
- 25. CEC/*tie* to issue letter to clarify provision of IFC drawings to CEC and *tie* from Infraco.
- 26. Letter to confirm incorporation of Bulls Heads outside Roseberry House.
- 27. *tie* to provide list of statutory utility company contact details to Infraco.
- 28. CEC to issue letter to SUs to confirm Infraco are point of contact for Tram works.
- 29. Letter to confirm use of existing fibre cable into City Chambers.
- 30. Letter to confirm use of existing fibre cable between City Chambers and Annandale bus garage.
- 31. Letter to confirm acceptance of recommendations on PIDs outside LoD.
- 32. CEC/tie to confirm close out of Depot Access Road design issue with BAA/EAL.
- 33. CEC/tie to confirm close out of BAA/EAL issue with relocated Burnside Road.

# 4.1.1.5 Traffic Modelling

It is now anticipated that CEC/SDS will have agreed the traffic modelling and the report is expected to be issued w/c 16 May 11. The final tram signalling design (linked to Traffic Modelling sign off) is expected to be completed by w/c 6 June 11.

# 4.1.1.6 Edinburgh Gateway

The preferred design option was confirmed by *tie*/Transport Scotland on May 2011.

Design Coordination and EMC/E&B issues still to be resolved by Network Rail. *tie* to advise when these issues will be resolved.

#### 4.1.1.7 Statutory Undertakers Companies (SUs)- Contact Details

CEC to issue letter to SUs to confirm Infraco are point of contact for Tram Works. *tie* to provide list of statutory utility company contact details to Infraco.

#### 4.1.1.8 Princes Street - New Cycle Crossing at The Mound

CEC are to advise whether Infraco are to include the CEC design for a new cycle crossing at The Mound within the Infraco design.

# 4.1.1.9 TNC 129 Gogar Castle Access Road

New TNC issued by *tie* – letter INF CORR 7510/DB dated 11 March 11. Redesign of road required to avoid land take issue (land not procured by *tie*). This impacts on 'mini test track' and will require CEC Technical Approval. The scope of this change was unknown prior to issue of letter by *tie*.







Instruction required from tie.

# 4.1.1.10 TNC 130 Depot Access Road, Hammer Head

New TNC issued by *tie* – letter INF CORR 7508/DB dated 11 March 11. Detailed design and CEC Technical Approval will be required. This potentially impacts on final Approvals for the Depot Access Road. The scope was unknown prior to issue of letter by *tie*.

Instruction required from tie.

# 4.1.1.11 Scope Creep (Various)

Infraco are concerned about scope creep by *tie* (eg. Roseburn Viaduct, Edinburgh Park Viaduct North Abutment, Airport Canopy/Kiosk, NIL).

CEC/tie to issue instructions to Infraco for any new scope that is to be carried out.

#### 4.1.1.12 Forth Ports - Tower Place Bridge - Ramp/Steps Issue

CEC have confirmed steps solution will be acceptable; although CEC Structures have rejected amended AIP that proposes steps. Discussion is ongoing between CEC and Infraco to resolve.

The steps solution will not remove all loading from dock wall which may not be acceptable to Forth Ports. Infraco and CEC met with Forth Ports on 5 May 11 to discuss this and other design issues related to Forth Ports. Design to be submitted to Forth Ports following CEC Approval.

#### 4.1.1.13 Forth Ports - Design Issues

Further design work is required to close out the following with Forth Ports.

- Section 1A Drainage CEC/tie to issue Forth Ports Approval to Infraco
- Forth Ports Fencing requirements design options to be submitted to FP/CEC
- Ocean Terminal Tram Stop Finishes, Lighting, Adoption Boundary etc to be agreed with FP – design to be finalised to allow CEC/FP to determine adoption boundary

Infraco/CEC are progressing. This impacts completion of design within Section 1A.

# 4.1.1.14 Forth Ports Licence – Approvals and Access Issue

From a Forth Ports perspective they would only like one more closure with all the work scope completed in it to cause minimum disruption.

CEC – Forth Ports Agreement is not legally binding. CEC recognise there are issues with Forth Ports that may impact on CEC/*ti*e ability to secure Forth Ports third party consent and design approvals as noted above.







# 4.1.1.15 Scottish Water Approvals issues

Approvals issued by Scottish Water since October 10 have a limited 6 month approval period (ie. the approval lapses after 6 months and the drainage design needs to be resubmitted to Scottish Water every 6 months). Infraco's position is that this 6 month approval period is unreasonable – particularly for on-street sections where there is no net increase to the Scottish Water network. This has been raised to *tie*; however *tie* has stated this is Infraco's issue to resolve with Scottish Water.

CEC should note that this will impact on the Design and Approvals between St Andrews Square and Newhaven.

Infraco has received a document from Scottish Water that apparently sets out the process for reapplications. Infraco is currently reviewing this document although concerned that this does not address or resolve the issues between Business Stream and Scottish Water. Meeting to be held with Scottish Water on 11 May 11.

Infraco require approval from BS/Scottish Water for standard connection details that were issued to BS/Scottish Water for Approval on 22 November 10.

Infraco require formal approval from BS/Scottish Water for Phase 1A/1B interface design.

#### 4.1.1.16 OLE Base / SW infrastructure issue

Principle of this issue to be discussed between Scottish Water and CEC/tie. Options include build over agreement / diversion of utility or relocate OLE (likely design, approvals and construction impact).

CEC/tie are to advise Infraco.

#### 4.1.1.17 PSCC and ICP Liaison Meetings

Confirmed and agreed that management of the ICP is to remain with *tie*. Role of PSCC meeting has been reviewed by *tie* following Infraco request. *tie* survey results have been issued; however, no conclusion provided as yet.

tie to advise.

#### 4.1.1.18 Scope of Works for York Place Terminal Point

It was confirmed on 22 March 11 that Terminal Point will be York Place Cross over. Concept design options were issued to CEC on 7 April 11 for consideration. A further meeting was held on 20 April 11.

Infraco will submit briefing note to CEC for the two preferred options with budget design costs on 11 May 11. Decision on the preferred option to be provided by CEC with appropriate instruction issued to Infraco. Budget design costs range - £140,000 to £280,000 (SDS costs only) depending on option selected.







Instruction required from *tie* for initial Feasibility Works and also for detailed design works for preferred option.

# 4.1.1.19 Cathedral Lane Substation

Infraco had recommenced the "original" Cathedral Lane Substation Design (based on conversion of existing toilet block). CEC/tie advised on 28 April 11 to put this design on hold and that tie would issue the scope of works and instruction to carry out the "Henderson Global" design by 29 April 11. As of 10 May 11, the scope and instruction are still to be provided. Scope and instruction are still to be provided.

Instruction required from tie to confirm progression of "original" design.

# 4.1.1.20 OLE Foundation – Utility Conflict at Princes Street

Building fixing option for two of the three poles; however third pole cannot be a building fixing. *tie* may need to divert or slew the utilities to accommodate this pole, so it would make sense to divert / slew the utilities for all three poles and avoid Listed Building Consent. Infraco submitted a briefing note on 28 April 11 to CEC.

At meeting held 10 May 11, CEC requested that the OLE remains as poles with utility slewed or diverted to avoid clash. Infraco to carry out trial trenches as part of early works within Princes St to confirm piled foundation solution is feasible (with diversion or temporary slew of utility). Infraco to advise CEC upon completion of trial trench works. The option of retaining the OLE poles means that a separate solution for street lighting may not be necessary.

#### 4.1.1.21 SEPA W14C CAR Licence

SEPA confirmed on 29 March 11 that flooding issue resolved and that SEPA had sufficient information to progress derogation and licence application. This is due end of May 11 (statutory period).

*tie* confirmed to Infraco on 28 April 11 that TEL would arrange / coordinate the ongoing monitoring works following completion of works and submit necessary reports to SEPA. This was required to allow SEPA to progress CAR Licence Application.

#### 4.1.1.22 W18 - LOD issue

Issue with W18 Retaining Wall and LOD is to be resolved. CEC propose to move W18 by 300mm to avoid any LOD issue. Infraco to undertake redesign works.

#### 4.1.1.23 W4 - LOD Issue

It was previously confirmed by CEC that there was no LOD issue at Retaining Wall W4 (PO Sorting Office). *tie* has issued letter to Infraco advising of an issue with the LOD. Infraco are reviewing the contents of *tie's* letter and will respond shortly.



# **SIEMENS**



#### Bilfinger Berger - Siemens - CAF Consortium

# 4.1.1.24 Section 1A - Forth Ports Drainage Approvals

**tie/CEC** to confirm Forth Ports Approval for Section 1A drainage (issued to **tie** 18 November 10).

# 4.1.1.25 Section 1A - Ocean Drive - New Footpath

New footpath required along Ocean Drive by CEC. *tie*/CEC to determine if required or not.

Instruction and scope required from CEC/tie.

# 4.1.1.26 Section 1A - Additional Cycle path at Lindsay Road - Hawthornvale

This additional design was introduced by CEC at meeting on 29 March 11. CEC are to issue the scope of works to Infraco. Infraco will progress design but this was not considered within Phoenix and Infraco require change order from *tie*. CEC confirmed on 19 April 11 that cycleway design should proceed.

Instruction required from CEC/tie.

# 4.1.1.27 Section 1A – Ocean Terminal Bypass Road

New design has been developed by AECOM for *tie*. CEC expressed desire at meeting on 1 April 11 for this to be integrated into Infraco design.

Instruction and scope required from CEC/tie.

# 4.1.1.28 Section 1A – Lindsay Road 0 – 230m Road Alignment Redesign

The full scope of works issued under TNC may not be feasible. Infraco issued draft feasibility report to CEC for review.

CEC to advise.

#### 4.1.1.29 Roseburn Viaduct

CEC/tie to issue letter to confirm scope of works agreed between CEC and Infraco on 16 March 11. Design has been submitted to CEC for Prior Approval.

# 4.1.1.30 Roseburn Viaduct - Scottish Power 132 kV issue

Representative of Scottish Power has advised that the proximity of the Roseburn Viaduct to the existing 132 kV cables is not acceptable to Scottish Power. Infraco are reviewing; however we request CEC assistance to resolve this with Scottish Power.

# 4.1.1.31 Tram Stop Design

IFCs were issued w/c 11 April 11 to close out Informatives. Technical Informatives are closed with Planning Informatives following on within existing Planning Batches. Minor clarification on the PID is to be resolved with CEC Planning w/e 27 May 11.

Design based on branding details as agreed with *tie*, TEL and CEC. Should branding change, a change order would be required.







CEC/tie to issue letter to confirm no lettering on top of shelters.

# 4.1.1.32 Depot Water Supply - 250mm main connection

Infraco understand tie will complete 250 mm main works by 31 May 11.

Scottish Water to provide the water connection; however, paperwork is being held up by BS/Scottish Water. Infraco chasing BS/Scottish Water for response.

#### 4.1.1.33 'Mini' Test Track

Instruction is to be issued by *tie* for the design of the temporary Overhead Catenary System.

Briefing note issued on 5 May 11 with request for urgent instruction to construct to the Gateway design. Infraco has proceeded based on Edinburgh Gateway Alignment.

Instruction required from CEC/tie.

# 4.1.1.34 Section 7A – NIL Future Proofing Works

*tie*/CEC to issue instruction to Infraco should *tie* wish to extend Infraco scope of works to include for discharge of Planning Informatives, previously confirmed that *tie* would close out the Informatives.

#### 4.1.1.35 Traffic Regulation Orders (TROs)

2No TRO changes proposed by CEC that may impact design at Picardy Place (Blenheim Place) and Shandwick Place (Canning Street). Infraco/CEC workshop to be held; however, this may require further instructions for any design changes. Refer below.

# 4.1.1.36 TRO Works – Blenheim Place – Increase in Scope for Picardy Place Works

Instruction required from CEC/tie

# 4.1.1.37 TRO Works – Canning Street - Stafford Street Link

Instruction may be required for Canning Street change. CEC to review and confirm.

# 4.1.1.38 Trackform - General

Comments received from CEC on draft Trackform Design Statement. A small number of comments related to other works within Princes Street that are outwith Trackform Approval and the track improvement layer that has already gained all Approvals. Relevant comments will be addressed within formal trackform submission. This is due to be issued w/e 27 May 11.

#### 4.1.1.39 Trackform - Direct Fix to Rheda Open

Following discussion with CEC and **tie**, Infraco have changed the trackform at the Mini Test track to Rheda Open from Direct Fix and are investigating the extent of the direct fix trackform that can be switched to Rheda Open.







There are no CEC Technical or Planning issues associated with this change. This may require review of Structures Design by CEC Structures if Rheda Open is proposed for Structures currently with Direct Fix. Infraco provided a briefing note to CEC.

#### 4.1.1.39 Trackform - Setted Areas

Clarification required on whether setted areas are still required. CEC has stated in design meetings that "Setts are to remain". Infraco await confirmation of this from *tiel*/CEC at high level.

Infraco are preparing briefing note on this issue to outline how the decision to use setts was arrived at.

#### 4.1.1.40 Cessation of tie Audits

It has been confirmed and agreed that no new Audits are scheduled by tie before July 11.

# 4.1.1.41 New Track Crossing for Scottish Water within 'Mini' Test Track

Scottish Water advised that a new crossing is required between the between depot halt and Gogar Castle Access Road. Infraco understand *tie* have instructed SDS under MUDFA contract to carry out design. How will this interface with Infraco design and who will construct this crossing?

tie/CEC to advise Infraco and issue any necessary instruction.

#### 4.1.1.42 MUDFA Reinstatement Works

Infraco awaiting details from *tie* in regard to MUDFA reinstatement works that need to be completed ahead of Infraco works. For example, works outstanding at Hope Street, Lothian Road, and Princes Street Junction.

In the vicinity of Gogar depot – existing septic tank – the tank was damaged during MUDFA works and not made good as part of MUDFA as was required. On 27 April 11, *tie* issued letter to Infraco trying to shift the responsibility for this to Infraco.

CEC/tie need to resolve MUDFA issues or provide instruction to Infraco to include within Infraco scope of works.

#### 4.1.1.43 MUDFA As Builts

tie have issued a number of unsigned MUDFA 'As Builts' and Infraco have concerns over the completeness, quality and accuracy of the information provided by tie to date. It is assumed there is no impact on Infraco design due to utility conflicts.

# 4.1.1.44 Reinstatement of Bulls Heads near Haymarket Tram Stop

Instruction required from CEC/tie to reinstate the Bulls Heads as part of the Infraco works.







# 4.1..1.45 Delivery of IFC Design Drawings

CEC have requested copies (1A3 and 1 pdf copy) of IFC and as built drawings to be issued to them. Infraco request clarification as to whether drawings will be issued to CEC by *tie* following usual process or if Infraco are to issue directly to CEC.

# Princes Street - New Cycleway Design at The Mound

Clarification of scope and Instruction required from CEC/tie.

# 4.1.1.46 BAA/EAL issues

CEC/tie to confirm close out of Depot Access Road design by BAA.

CEC/tie to confirm close out of BAA/EAL issue with relocated Burnside Road.

#### 4.1.1.47 SRU/Murrayfield Accommodation Works

Infraco carried out design works for *tie*; who separate to Infraco Contract, completed the construction works. A number of issues are to be resolved with *tie* (Form Q, As-Builts and *tie* request for Collateral Warranty to be signed by SDS).

# 4.1.2 Outstanding Consents

# 4.1.2.1 CEC Planning

- 1. Access Road at Ocean Terminal to be submitted.
- 2. Listed Building Consent for 4 Dublin Street to be submitted .
- 3. Roseburn Viaduct Prior Approval with CEC Planning for approval.
- 4. Planning Variations 22 of 45 planning batches approved to date with 7No with CEC for approval. The outstanding variations still to be approved are split as follows: 7 Off-Street and 16 On-Street.
- 5. Planning Informatives information being submitted to CEC as part of the Planning Variations to close out.
- Trackform colour and finish of concrete to be agreed with CEC Planning. Further sample for CEC inspection to be prepared w/c 9 May 11.
- 7. Points position indicators locations to be submitted.
- 8. OLE Pole finials details to be confirmed with CEC Planning.
- 9. CEC/tie Planning Informatives to be closed out with CEC Planning.

# 4.1.2.2 CEC Technical (Roads) - To Be Submitted:

- 1. Section 1C2 (Picardy Place) to be submitted.
- 2. Technical Informatives remainder to be submitted and closed.
- 3. Trackform CEC have issued Approval in Principle for trackform design. Design Statement is being amended to incorporate responses to *tie*/CEC queries. Anticipated date for formal submission 27 May 11.
- 4. Overall tram and traffic signalling strategy to be closed out with CEC.







- 5. Junction 91 (Section 2A) issue to be finalised operator inputs required to resolve.
- 6. Signalling and ducting details to be submitted to close Informatives.
- 7. High Level Control (following on from Traffic Modelling close out).
- 8. CEC/tie Technical Informatives to be closed out.

# 4.1.2.3 CEC Technical (Roads) – Submissions With or In Discussion with CEC:

- 1. Traffic Modelling some "tweaks" to modelling required to close out. Impact on roads design to be assessed.
- 2. Section 1D Grosvenor Street amendment due to TRO with CEC to approve.
- 3. Close out of submitted Technical Informatives.
- 4. Close out of Earthing & Bonding Informative.
- 5. Use of existing fibre link from Ingliston to City Chambers for CCTV to permit design to be finalised.
- 6. CEC / TEL provided protocols for Bus Tracker Infraco to update design document.
- 7. Gogar Castle Access Road CEC to approve.
- 8. Use of existing fibre link from City Chambers to Annandale Bus Garage for Disaster Recovery Control

# 4.1.2.4 CEC Technical (Structures)

- Murrayfield Retaining Wallss S21B & D Ground Improvement Works to be submitted.
- 2. Edinburgh Gateway Retaining Wall to be submitted.
- 3. Review of Roseburn Viaduct (cladding around abutments) to be submitted.
- 4. Tower Place Bridge Steps in place of ramp AIP rejected by CEC under discussion with CEC.
- 5. Section 2A "special" OLE Foundation designs to be submitted.

#### 4.1.2.5 CEC Building Control

- Edinburgh Gateway Tram Stop Building Warrant Infraco to respond to CEC comments.
- 2. Edinburgh Airport Kiosk and Canopy Building Warrant –progressing design for Building Warrant.
- 3. Cathedral Lane Substation Building Warrant awaiting scope from CEC/*tie* to progress "HG" design.

#### 4.1.2.6 Scottish Water

1. Edinburgh Gateway – 1525 sewer diversion and interface with Retaining Wall.







- 2. Standard Connection Details to be approved submitted to BS / SW on 22 November 10.
- 3. Depot water connection Infraco require 250 mm main connection by *tie* to be completed and BS /SW to grant water connection.
- 4. Six month time limit on Approvals process to manage this requirement to be agreed between CEC, SW and Infraco.
- 5. OLE Base/Scottish Water infrastructure principle to be discussed between SW and CEC/tie.

#### 4.1.2.7 SEPA

1. W14C – CAR Licence – with SEPA for approval.

# 4.1.2.8 Third Party Consents

- 1. Consents and requirements required for 4 PIDs located outside LOD (BAA approval etc) Infraco proposal submitted to *tie*. *tie*/CEC to advise.
- 2. TEL/CEC to respond on use of existing fibre links strategic decision required.
- 3. Forth Ports Licence issues CEC/tie to advise.

# 4.1.2.9 BAA / EAL Approvals

- 1. Airport Canopy/Kiosk and Airport Tram Stop to be submitted.
- 2. CEC/tie to confirm Depot Access Road and Burnside Road issues closed out with BAA.

### 4.1.2.10 Forth Ports

- 1. Section 1A Drainage CEC/tie to issue Forth Ports Approval to Infraco.
- 2. Forth Ports fencing requirements design options to be submitted to Forth Ports/CEC.
- 3. Ocean Terminal Tram Stop Finishes, Lighting, Adoption Boundary etc to be agreed with Forth Ports design to be finalised to allow CEC / FP to determine adoption boundary.
- 4. Tower Place Bridge steps in place of ramp to be agreed.

# 4.1.2.11 Network Rail

- 1. Section 1A Drainage CEC/tie to issue Forth Ports Approval to Infraco.
- 2. Forth Ports Fencing requirements design options to be submitted to Forth Ports/CEC.
- 3. Edinburgh Gateway Retaining Wall Design Approval to be submitted.







# 4.1.3 Civil & Building Procurement

#### 4.1.3.1 Sub-Contractors

A Sub-Contract Procurement Schedule is attached as Appendix 10.6.

In light of the mediation which has taken place in March 2011 and Minute of Variation Nr 4 procurement of the original Infraco works for works outwith the scope of the Mar Hall agreement have been suspended.

We continue however to procure subcontractors etc for the Prioritised Works and the On Street Target price works as required by Minute of Variation 4.

# 4.1.4 Civil & Building Construction

# 4.1.4.1 Section 1C McDonald Road to Princes Street

Trackwork Waverley Bridge to Castle Street

**Progress** 

Safety critical remedial works have been carried out during the period.

Issues and Concerns

None.

# 4.1.4.2 Section 1D Princes Street to Haymarket

Trackwork Castle Street to Lothian Road

**Progress** 

Safety critical remedial works have been carried out during the period.

Issues and Concerns

None.

# Trackwork Lothian Road to Haymarket

Progress

No activities carried out during the period.

Issues and Concerns

None.

# 4.1.4.3 Section 2A Haymarket to Roseburn Junction

**Haymarket Station Viaduct** 

**Progress** 

No activities carried out during the period.

Issues and Concerns

None.

#### Trackwork Haymarket to Russell Road

**Progress** 

Work recommenced on Haymarket Yards trackwork on 3 May 11.

2<sup>nd</sup> stage earthworks, duct laying and preparatory work for OLE foundation works are currently ongoing







Issues and Concerns SGN gas main which clashes with OLE foundations has not been diverted.

# 4.1.4.4 Section 5A Roseburn Junction to Balgreen Road Russell Road Retaining Walls W3 & W4

**Progress** 

No activities carried out during the period.

Issues and Concerns

None.

# Murrayfield Retaining Wall 21B

**Progress** 

No activities carried out during the period.

Issues and Concerns

None.

# **Murrayfield Stadium Underpass**

**Progress** 

No activities carried out during the period.

Issues and Concerns

None.

# **Murrayfield Retaining Walls 21D**

**Progress** 

No activities carried out during the period.

Issues and Concerns

None.

# Water of Leith Bridge

**Progress** 

No activities carried out during the period.

Issues and Concerns

None.

# **Depot Access Bridge**

**Progress** 

Backfill to deck has been completed.

Sand carpet protection to waterproofing has been carried out.

Structure now substantially complete.

Issues and Concerns

None.

# A8 Underpass - Phases 1 & 2

**Progress** 

Works recommenced on 3 May 11.



# **SIEMENS**



#### Bilfinger Berger - Siemens - CAF Consortium

Parapet beam construction has commenced.

Preparatory works to allow deck waterproofing are ongoing.

Issues and Concerns None.

# A8 Underpass - Phase 4

**Progress** 

Works recommenced on 3 May 11.

Excavation around piles has commenced.

# Trackwork Gyle Centre to Depot Stop (Mini Test Track)

**Progress** 

Installation of drainage has commenced in the period.

Duct installation has commenced in the period.

2<sup>nd</sup> stage earthworks has commenced in the period.

Issues and Concerns None.

# Trackwork Depot Stop - Gogarburn (Mini Test Track)

Progress

Installation of drainage has continued in the period.

Duct installation has commenced in the period.

2<sup>nd</sup> stage earthworks has commenced in the period.

Issues and Concerns None.

#### **Depot Tram Stop**

**Progress** 

No activities carried out during the period.

Issues and Concerns None.

# 4.1.4.5 Section 6A Depot

#### Earthworks/Drainage

**Progress** 

2<sup>nd</sup> stage Earthworks has continued in the period.

Issues and Concerns

None.

#### **Trackwork**

**Progress** 

Installation of ducts has continued.

Installation of drainage has commenced.

2<sup>Nd</sup> stage earthworks has commenced along with formation preparation of track form

2<sup>nd</sup> stage concreting of track around aprons has commenced in the period.







Issues and Concerns None

# **Depot Building**

**Progress** 

Internal fit-out has continued in the period.

Electrical testing/commissioning has continued in the period.

Furniture installation and completion of finishes to OCR has commenced in the period.

Installation of water supply pipe has commenced 2<sup>nd</sup> stage concreting of track form has commenced

Issues and Concerns None

# Access Roads/Car Parks

**Progress** 

2<sup>nd</sup> stage Earthworks has continued in the period

Drainage and concreting of hard standings has commenced in the period.

Erection of permanent fencing has commenced in the period.

Issues and Concerns None.

# 4.1.4.6 Section 7A Gogarburn to Edinburgh Airport

**Trackwork Ingliston to Airport** 

Progress

Site clearance activities have been completed in the period.

Issues and Concerns None.

# 4.2 E&M SYSTEMS

#### 4.2.1 OLE (Overhead Line Equipment)

#### Design

No update since last report.

# **Approvals and Consents**

Pre sub-submission held between Infraco & CEC re. Haymarket Tramstop Batch. Infraco to undertake actions prior to formal submission. Currently without impact on the construction programme, due to prioritisation of building fixing conflict resolution.

All OLE informatives have been closed except two, one subject to collision risk assessment and one in relation to the location of Isolator Cabinets.

#### **Issues and Concerns**

Programme issues remain unchanged from last report.







#### **Production**

No update since last report.

# 4.2.2 TPS (Traction Power Substations)

#### Design

No update since last report.

#### **Approvals and Consents**

No update since last report.

#### **Issues and Concerns**

Cathederal Lane Substation, refer Section 4.1.1

#### Production

Gogar Depot Traction Power Sub Stn was successfully connected and tested onto Scottish Power 11kv.

# 4.2.3 TRW (Trackwork)

Design, submittals to tie in the reporting period:

None

#### Approvals and Consents, RoR's

None

#### Issues and Concerns

- Groundborne Noise and Vibration measures on the on street.
- The design for locations as listed below cannot be finalised unless the asbuilt documentation of the underground utilities is to be provided to Infraco:

275 kV cable - Arthur Street to Dalmeny Street Scottish Power Tunnel - Leith Walk Culvert on North Street Section of Constitution Street

- Ground conditions and utilities that cannot be / have not been relocated to lower levels may influence the TRW design and programme. As stated earlier in this report, Infraco does not have confidence that MUDFA As-Builts are accurate.
- Infraco continues to pursue closure of the trackwork Informatives and a resolution to Princes Street. A meeting with all parties resulted in approval in principle to an enhanced design for all on street trackform including Princes Street. Infraco is currently compiling drawings and a design narrative for a formal submission to CEC during week ending 27 May 2011.







#### **Production**

- Guided Busway: Works around the gully outlets (direct fixation) almost finished; grouting works for direct fixation ongoing. (pending on weather condition)
- Workshop: Trackwork construction track 2, 3 and 4 west side and track 1, 2, 3 and 4 east side including apron, preparation of trackwork construction track 1 west side
- Completion of preparation of area 2c
- Carry on with completion area 1, 2a and 2b (placing 2<sup>nd</sup> stage ballast and fishplating)
- Carry on with delivery of turnouts area 4

Following production activities are planned within the reporting period:

- Guided Busway Final works around the gully outlets;
- S&C production ongoing, subsequent delivery of depot turnouts
- Tackwork construction at the depot; Area 2c and outh apron (MC 19).
- Preparation of track installation Section 2.
- Joint sealing works tracks 1, 2, 3 and 4 depot building plus east apron.

# 4.2.4 DWE (Depot Workshop Equipment)

Design

The status remains unchanged compared to the previous period report.

#### **Approvals and Consents**

All status remains unchanged compared to period the previous report.

# Issues and Concerns

None.

#### **Delays to Site Availability**

The status remains unchanged compared to the previous period report.

# Production

The status remains unchanged compared to the previous period report

# Installation

Installation activities for washing plant technical room are close to be finished. Wash brushes and wash arches installation will pursue when preconditions are finally checked by survey.

Installation activities for the Underfloor Lifting Plant and the Underfloor Wheel Lathe are started.

Next installation activities will be the small shop machinery.



# **SIEMENS**



# Bilfinger Berger - Siemens - CAF Consortium

# 4.2.5 Signalling, Communication, SCADA, PIS, PA Design Signalling

Signalling design is being completed in response to traffic modelling closure between SDS and CEC and is expected to be complete by w/c 4 June 2011.

# **Approvals and Consents**

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

Status CEC Informatives SIG

- Earth boxes submission made and details agreed Official CEC approval outstanding
- Colours of Interlocking clarified and approved. Only colour of interlocking cabinet Airport has to be changed
- Signal Head PPI / RI details submitted and agreed. Official CEC approval outstanding
- SIG interlocking drawings in progress to be submitted

#### Issues and Concerns

Ticket Vending Machine details – ongoing discussions with TEL may impact on current requirements.

Decision still required on the temporary Radio Mast in the depot to allow works to progress.

CEC has taken a pragmatic view over equipment already procured to earlier versions of Appendix 19/1 relating to the paint finishes of network equipment, with the exception of that within the World Heritage Area.

Following the Mediation, a Traffic Light Controls interface partner is now on board to assist with gaining CEC approvals. Conclusion of signalling design and all three interfaces; civils (ductwork etc), cabling and communication/information have been able to progress followingthis appointment.

The Tram Detector Report (part of the overall traffic modelling report) is not expected to be released by SDS/CEC. Completion of signalling design will follow approximately 3 weeks later.

# **Production**

Minor works continue in the Gogar Depot OCC with the installation of the Signalling Mimic displays, CCTV array displays and the fit out of three operator workstations..

Gogar Depot Equipment Room COM/SCADA installation works continues . This includes the installation of the COM/SCADA racks and the cabling of the racks to the structured cabling rack within the equipment room which is substantially complete.



# **SIEMENS**



#### Bilfinger Berger - Siemens - CAF Consortium

Demonstration Point Machine will be installed at the Depot on Thursday 7<sup>th</sup> April 11.

<u>Note:</u> Although procurement has been deliberately 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.

# 4.2.6 TLC (Traffic Light Control)

#### **Issues and Concerns**

Infraco has received no instructions to proceed with any traffic signal installation from tie (other than works completed on Princes Street in December 2009). Since the Mediation, however, Infraco is progressing this work.

# 4.2.7 HV/LV - Supply

#### Design

No comments

#### **Approvals and Consents**

No update since last report

#### **Issues and Concerns**

Way-leaves still required from Cathedral to Leith Sands substations and Ingliston P&R substation.

# Production

No comments.

### 4.2.8 RFI Status (E&M)

Total	54
Closed out	41
Withdrawn	07
Open with tie for response or further response	06

# 4.3 TRAMS

See CAF programme update Planning\_Edinburgo\_27Tram\_300408\_act 030511 (Appendix 10.4).

#### 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

Materials to complete the assembly of the full fleet have been delivered in CAF.

For the materials that are not available, CAF will evaluate the impact of not having the materials delivered and available as is necessary to meet manufacturing programme. Meanwhile, the trams have been assembled without those materials.

#### 4.3.3 Manufacturing

CAF manufacturing process started at beginning of December 2008.

The manufacturing status is detailed on document "Estado de fabricación Edimburgo 04-05-2011".

- Bodyshell manufacturing for the complete fleet has been achieved.
- Bodyshell painting for the complete fleet has been achieved.
- Assembly for the full fleet has been achieved

The total number of trams manufactured is 27.

# 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 to 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 *tie* (Bus Tracker).

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

Invitation for final inspection and reception for Tram unit 26 has been scheduled for May 11 and testing for TU27 should be achieved during the second half of May 2011.

The total number of trams to be tested is 27.

# 4.3.5 Dynamic testing at Wegberg-Wildenrath

CAF performed static and dynamic tests for tram No1 and tram No 2 at the Wegberg-Wildenrath Test and Validation Centre of Siemens at the beginning of the year 2010. Since UT1 has been moved back to CAF Irun where it was unloaded at the beginning of January 11 and UT2, having satisfactorily performed all its dynamic tests, was sent to Edinburgh in April 10.

Therefore this dynamic test chapter is fully closed.







## 4.3.6 Delivery of Trams to Edinburgh

CAF was ready to deliver trams to Edinburgh according with its contractual programme but there was, and still there is, no depot available to receive the trams.

The first tram delivered (UT2) was unloaded on 25 April 10 at Princes Street according to the MoV of *tie* Change Order 152.

Presently, unit 1 has its Factory Acceptance Type Test Certificate delivered and unit 2, unit 3, unit 4, unit 5, unit 6, unit 7, unit 8, unit 9, unit 10, unit 11, unit 12, unit 13, unit 14, unit 15, unit 16, unit 17, unit 18, unit 19, unit 20, unit 21 and unit 22 have their correspondent Factory Acceptance Routine Test Certificates delivered by the Tram Inspector. Unit 23, unit 24,unit 25 and unit 26 should have their certificate delivered soon.

#### 4.3.7 Tram Storage

CAF has no storage facilities available.

As the depot is not ready and CAF has received no instructions regarding storage, CAF has proceeded according to its Contractual obligations in order to deal with the storage issue.

CAF has been forced to make some works inside CAF premises in Irun in order to prepare some parking facilities. The area available is able to park 12 trams. At the moment the finished trams are located at the following places:

- Tram Unit 2 in Edinburgh under MoV of tie Change Order 152 and Minute of Variation dated 23 April 10.
- Tram units at CAF Irun and RENFE Irun: UT 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 25 and 26.

The total number of trams to be delivered is 27.

# 4.4 SYSTEMS INTEGRATION

#### 4.4.1 EMC

# 4.4.1.1 Earthing & Bonding

No update since last report.

# 4.4.1.2 Stray Current

Investigation of possibly affected utilities started. Individual utilities are indicated and will be clarified whether a risk may exist.

#### 4.4.1.3 Network Rail Immunisation

Draft test procedure for Immunisation measurements has been provided to NWR and *tie* informally.

Please refer to chapter 4.4.2.2 in addition.

# 4.4.2 System Assurance







#### 4.4.2.1 Deliverables / Documents Issued

- Preliminary Case for Safety (CfS)
  - All Cases for Safety now at Level A or B. Those at Level B, Plan agreed with PSCC and ICP to incorporate outstanding comments in next phase of project as part of the Staged Case for Safety process.
  - Immunisation
- See section 4.4.2.3

# 4.4.2.2 Activities completed

- Hazard Log Update
  - See section 4.4.2.3.

# 4.4.2.3 Activities Ongoing and Planned:

- Immunisation—
  - Hazard Mitigation Design mitigation provided with objective of being able to close hazards from a design perspective
- Hazard Log Management
  - Hazard Log has been updated for the Design Phase based on Hazard owner's responses (ongoing). Response has been provided to PSCC Sub-committee chairman, who will confirm if the hazard has been, controlled so Far As Is Reasonably Practicable (SFAIRP). (see Section 4.4.2.2)
- Control Room HFI Assessment—
  - Manage HFI Issues Log as identified in HFI OCC Report (ongoing)

#### 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, ICP Liaison Meetings.

# 4.5 TESTING, COMMISSIONING AND START-UP

Testing and Commissioning Manager has been relocated to the Project Offices and will engage fully with all parties.

# 5 NOT USED

# 6 STAKEHOLDER AND THIRD PARTY ISSUES

Nothing to report.







# 7 COMMERCIAL

# 7.1 Prioritised Works Milestones

Fixed Sum Prioritised Works Milestones Achieved in the Period:

PW 3	Site Wide	Preliminaries – BBUK	1,200,000.00
PW 3	Site Wide	Preliminaries – Siemens	494,000.00
PW 8	Depot Area	Building	500,000.00
PW 8	Depot Area	Building	500,000.00
PW 7	Depot Access Bridge	Depot Access Bridge	403,000.00
PW 9	Depot Area	External Works	750,000.00
Al 1	Section 1A	Ongoing maintenance work	15,000.00
Al 1	Section 1A	Ongoing maintenance work	15,000.00
Al 5	A8 Underpass (S28)	Ongoing maintenance work	75,000.00
AI 5	A8 Underpass (S28)	Ongoing maintenance work	75,000.00
Al 6	Structures	Generally work in progress	3,165,000.00
AI 8	Site Clearance Works	Tree Felling	20,000.00

#### CAF

VBN-11041001	Delivery of 24th Tram	110,083.25
VBN-11041213	Delivery of 25th Tram	110,083.25

# 7.2 Change Management

#### 7.2.1 The Infraco Change Register is presented in Appendix 10.7.

816 Changes have been notified to 12 May 11 - 108 by *tie* and 708 by Infraco.

137 of these Changes have been superseded by further Changes or withdrawn therefore there are 679 current Changes.

Of the 679 notified Changes, 357 have been accepted in principle, 129 have been rejected and 193 have neither been accepted nor rejected by *tie*.

87 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 592 Changes requiring Estimates.

Infraco has submitted Estimates for 545 Changes for design only or for design and construction works to *tie* and 3 delay only Estimates



# **SIEMENS**



#### Bilfinger Berger - Siemens - CAF Consortium

The total Infraco value of the submitted Estimates is £165,797,161 which includes £12,714,398 for non-scope work on Bernard Street and St Andrew Square and £20,140,355 for INTC's impacting on Sectional Completion A.

219 of the 545 submitted Estimates have been agreed by issue of a *tie* Change Order. The value of Change Orders issued by *tie* is £25,919,825.

There are 28 Design Estimates that require to be formally submitted which are the subject of ongoing discussions.

There are 74 remaining notified Changes for which Construction Estimates are required. It is not possible to prepare 16 of those Construction Estimates until either an SDS design Estimate is received, validated by Infraco and approved by *tie*, and/or the required information is obtained from the SDS Provider.

There are a further 26 Changes which have been notified which are currently being reviewed as they may be included within other Construction Estimates already submitted.

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

A graphical pie chart is presented in Appendix 10.7.

#### Dispute Resolution Procedure (DRP):

(Currently all Disputes below are stayed or "Frozen" by mutual agreement following mediation discussions held in early March 2011)

- Dispute 18 Disputed Payment for Princes Street Works Referred by Infraco 17 September 10.
   Adjudication is ongoing.
- Dispute 21 Lindsay Road Lowering Referred by tie 30 November 10
   Mediation took place 11 February 2011. Further discussions are continuing between the parties.
- Dispute 24 MUDFA 2 Delays and Additional Costs arising from incomplete Utilities Works Referred by Infraco 18 January 11.
   Mediation proposed by tie.
- Dispute 25 Section 5B Roads, Street Lighting and Roads Drainage (INTC 204) – Referred by tie 01 February 2011.
   Internal DRP ongoing.
- Dispute 26 Section 5C Roads, Street Lighting and Roads Drainage (INTC 205) – Referred by tie 01 February 2011.
   Internal DRP ongoing.
- Dispute 27 Section 2A Roads, Street Lighting and Roads Drainage (INTC 212) – Referred by tie 01 February 2011. Internal DRP ongoing.







 Dispute 28 – Section 5A – Roads, Street Lighting and Roads Drainage (INTC 528) – Referred by tie 01 February 2011.
 Internal DRP ongoing.

#### Remediable Termination Notices (RTN's)

*tie* has raised 10 RTN's and Infraco has responded to all 10 RTN's and have refuted their validity.

# **Underperformance Warning Notices (UWN's)**

tie has raised 3 UWN's and Infraco has responded to all 3 UWN's and have refuted their validity.

# 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 Contractor Period HS&E Return

# Contractor Period H.S. & E. Return



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

RETURN DATA Contractor - BSC Year - 10/11	Date complet	ted – 23/	/04/2011
PEOPLE DATA			
Average number of direct employees on ETP – 97  Average number of subcontract / others inc visitors on ETP – 104	Hours worked employees on Hours worked subcontract / o visitors on ET	of others inc 203	302
Number of work sites – 3			
INCIDENT DATA (leave blank if none)	DIRECT	SUBCON	M.O.P.
Fatal	1		
Major			
Over 3 day			
Dangerous Occurrence			
Reportable Disease			
Injury – Non RIDDOR			4 – Cycles
Near Miss/ Unsafe Condition		10	
Service Damage			
RTA (in and around ETP)			
Positive intervention (if measured)  Environmental Incident	$\overline{}$	1	-
Livionmental incluent	10 3	[: *T; ];	L
ENFORCEMENT NOTICE / VISIT DATA	NOTICE	VISIT	
H.S.E Enforcement			
SEPA			
Local Authority			
Other			
CONTRACTOR AUDIT / INSPECTION DATA	PLANNED	ACTUAL	
Inspections	12	13	
Audits	1	1	







### 10.2 Progressed Programme

Progress Update to 13 May 11

### **Programme following Mediation EDINBURGH TRAM** BILFINGER BERGER SIEMENS on 8 - 12 March 2011 (110506) - Prioritised Works **NETWORK** Progress Update to 13 May 2011 Mari Aprilliavi Juni Juli Audi Sep | Oct | N | Dec Jan | Febiliari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juni Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juli | Audi Sep | Oct | Novi Dec Jan | F | Mari Aprilliavi Juli | Audi Sep | Oct | Novi Dec Jan | Oct | Oct | Novi Dec Jan | Oct | Programme foliowing Mediation 6-12 Majors 2011 rev 5 (Provinced Works) to 15 May 2011 21-May 11 8 | 25-Jan 14 15-Apr 11 A 25-Jan-14 25-Jan-14, KEY DATES Sign MOV for carrying out the Prioritised Works (15-Apr 11) 15-Apr 11 A 100% MOV for carrying out the Prioritised Works (15-Apr 11) 1070 Re - mobilisation - Prioritised Works 15-Apr 11 A 03-May 11 A 100% Re- mobilisation - Prioritised Works Sign MOV In Respect of Off Street Works (Other than Prioritised Works) and the On Street Sign MOV in Respect of Off Street Works (Other than Prioritised Works) and the On Street Works 01-Jul-11 1000 0% Re - mobilisation 0% 1050 02-Sep-11 Section Completion A Section Completion A 313 16-Dec-11 0% 314 Section Completion B 07-Feb-13\* 0% Section Completion F 2.81 Construction Completion Phase 1a Edinburgh Airport to Haymarket 29-Jul-13\* 0% Construction Completion Phase 1a Edinburgh Airport to 315 Sect on Completion C 27-Oct-13 Section Completion C Commencement of Revenue Service Phase 1a Edinburgh Airport to Haymarket ◆ Commencement of Reve 310 25-Jan-14 0% 296 ▼ 13-Oct-11, TRAM DELIVERY & COMMISSIONING 13-Oct-11 13-Oct-11 TRAM DELIVERY & COMMISSIONING ▼ 13-Oct-11, Deliver & Commission First Five Trams Deliver & Commission First Five Trams 13-Oct-11 13-Oct-11 CAF-01 Certificate of Partial Completion & Depot ready for delivery of first tram 13-Oct-11 0% 255 · Certificate of Partial Completion & Depot ready for delivery of first tram 27-Oct-11, TRACK FINISHES TRACK FINISHES 01-Sep-11 27-Oct-11 A20000 Tamping Ballast 6 A 01-Sep-11\* 27-Oct 11 0% Tamping Ballast 6A 03-May 11 A 02-Sep-11 02-Sep-11, TESTING TESTING 1C-15/16-1210 On Street Geo-technical testing 03-May 11 A 02-Sep-11 69 On Street Geo - technical testing 5A-11-S21B/21D-19 Geo-technical testing at Murra field 0% Geo-technical testing al Murrayfield 84-Jul-11 | 185-Sep-11 2/5/7-15/16-1220 Off street testing for contamination 0% Off street testing for contamination 27-Apr-12, SECTION 01 NEWHAVEN ROAD TO HAYMARKET SECTION 01 NEWHAVEN ROAD TO HAYMARKET 01C & 01D Waverley to Lothian Road 04-Jul-11 27-Apr 12 203 ₹ 27-Apr-12, 01C & 01D Waverley to Lothian Road Arms 18 Labour Room to South Charles III, [17 1016] is 12 1070. 14-Sep-11, Area 1A Lothian Road to South Charlotte St. (13 0268 to 13 0376) Saw Cut / Plane 1C-15/16-1080 04-Jul-11\* 08-Jul-11 0% 484 D Saw Cut / Plane 1C-15/16-1090 504 Outbound (108m) Outbound (108m) 23-34-11 34-Aug-1 0% 1C-15/16-1100 Inbound (108m) 11-04-11 ED-Dec-11 0% 504 nbound (108m) 1C-15/16-1150 03-Sep-11 14-Sep-11 0% 504 Surfac ng 01-Dec-11, Tramstop 1C-15/16-1310 Finishes 20-Oct-11 01-Dec-11 0% 449 Finishes Arms 18 March by March to The March 112 City is 12 City Phone 1 ■ 01-Dec-11, Area 1B Waverley Station to The Mound (12 1370 to 12 1708) Phase 1 SawCut / Plane (outbound) 1C-15/16-1140 04-Jul-11\* 08-Jul-11 0% 495 B Saw Cut / Plane (outbound) Outbound (338m) 07-Jul-11 20-Sep-11 52 495 1C-15/16-1300 Saw Cut / Plane (inbound) 05-Sep-11\* 09-Sep-11 Saw Cut / Plane (inbound) 1C-15/16-1180 Inbound (338m) 08-Sep-11 23-Nov 11 0% Inbound (338m) Surfacing (Outbound) 1C-15/16-1135 Surfacing (Outbound) 20-Sep-11 27-Sep-11 0% 495 1C-15/16-1190 Surfacing (Inbound) 23-Nov 11 01-Dec-11 0% Surfacing (Inbound) ability of the Property of the Co. (12) the ▼ 01-Dec-11, Area 2B South Charlotte st. to Frederick St. (12 1816 to 13 0268) 1C-15/16-1110 Saw Cut / Plane (outbound) 06-Jul-11 14-Jul-11 0% Saw Cut / Plane (outbound) 1C-15/16-1120 13-Jul-11 30-Sep-11 Outbound (432m) 0% Outbound (432m) 1C-15/16-1290 Saw Cut /Plane (inpound 05-Sep-11 13-Sep-11 449 Saw Cut / Plane (inbound 0% 1C-15/16-1130 inbound (432m) 12-6as-11 449 Inbound (432m) 1C-15/16-1125 Surfacing (Outbound) 96-94p-11 13-0cs-11 0% 484 Surfacing (Dutbound) 1C-15/16-1160 Surfacing (Inbound) 18-Nov-11 - 61-Cap-11 449 Surfacing (Inbound) tari ka Ting Magani (15 T (17 kin 17 T (180) Pyrani 2 Pani 3 mina Paminga 27-Apr-12, Area 1B Waverley Station to The Mound (12 1370 to 12 1708) Phase 2 Post Xmas Embargo 1C-15/16-1200 Saw Cut / Plane 09-Jan-12\* 12-Jan-12 0% 354 I Saw Cut / Plane 1C-15/16-1220 Outhound 15-Jan-15 | Th-App-15 0% 354 Outbound 1C-15/16-1230 18-Jan 13 16-Apr 12 65 354 Inbound 1C-15/16-1240 0% 354 Surfacing Street Lighten 25-Aug-11, Street Lighting 1C-15/16-1350 Power Supply/Cablnets/Cabling/Lighting Heads 14-Jul-11 25-Aug-11 30 0% Power Supply/Cabinets/Cabling/Lighting Heads Date Checked Page 1 of 5 Approved Actual Work 10-May-11 JAC TBSC

Remaining Work

Milestone Summary

Critical Remaining Work

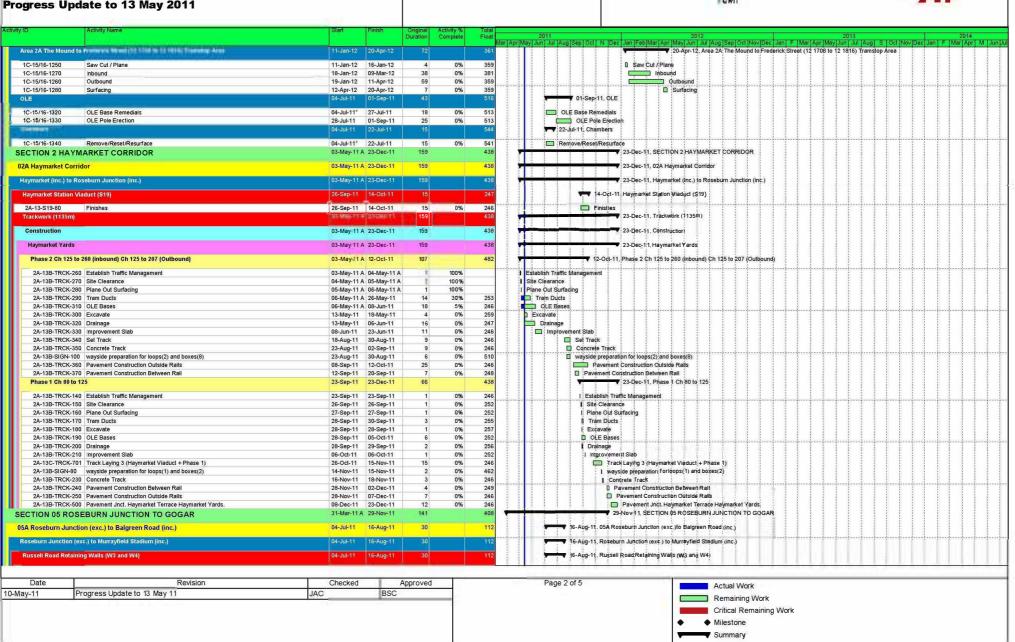
### on 8 - 12 March 2011 (110506) - Prioritised Works

### Progress Update to 13 May 2011

**Programme following Mediation** 

# **EDINBURGH TRAM** NETWORK





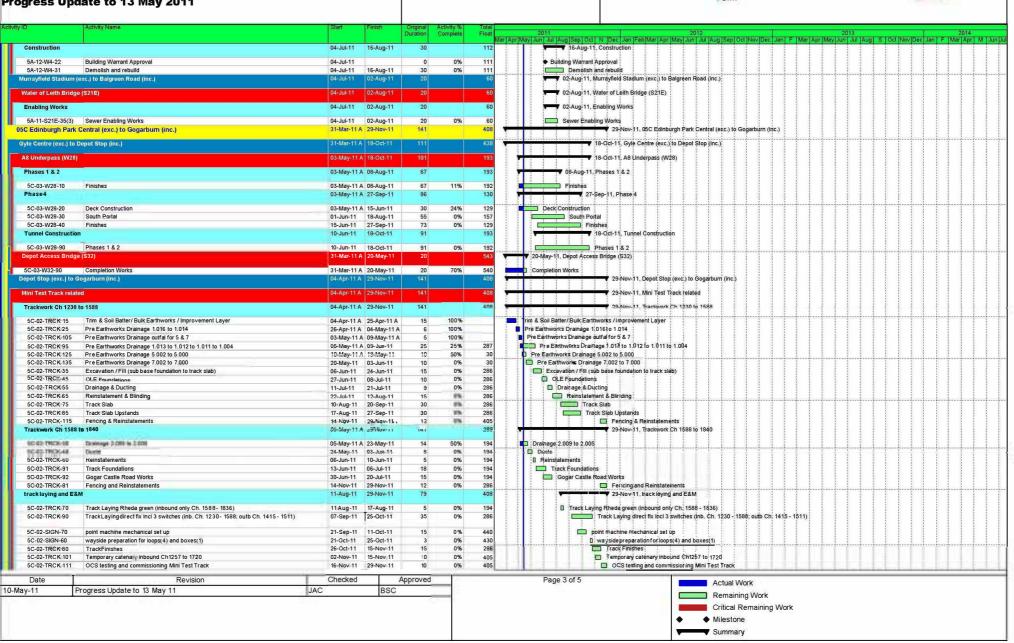
### on 8 - 12 March 2011 (110506) - Prioritised Works

### Progress Update to 13 May 2011

**Programme following Mediation** 

# **EDINBURGH TRAM NETWORK**





### **Programme following Mediation EDINBURGH TRAM** BILFINGER BERGER SIEMENS on 8 - 12 March 2011 (110506) - Prioritised Works **NETWORK** Progress Update to 13 May 2011 Mar Apri May Jun Juli Aug Sep Oct N Dec Jan Feb Mar Apri May Jun Juli Aug Sep Oct Nov Dec Jan Feb Mar Apri May Apri Ma 5C-02-TRCK 121 | Mini Test Track Available 29-Nov-11 n 405 Mini Test Track Available SECTION OF GOGAR DEPOT 31-Mar 11 A 16-Dec-11 ■▼ 16-Dec-11, SECTION OF GOGAR DEPOT 06A Gogar Depot 16-Dec-11, 06A Gogar Depot 16-Dec-11, Depot ■ 29-Apr 11 A : Earthworks 6A-81-TROB-0000 Distance 20-Apr-11 A 20-Apr-11 A 5 100% ▼ 08-Sep-11, Trackwork (3492m) 16-App-11 (89-9ep-11) Track Laying Finishing 0% Track Lavirio Finishino 6A-01-030N-60 18 App 11 30 App 11 wayside preparation for loops(X) and boxes(X) wayside preparation for loops(X) and boxes(X) 0% Area 2 (North West inc stabling) \$4.4pr/17.6 (30.6op.11) 10-Aug-11, Area 2 (North West inc stabling) 6A-012-TRCK 76(3) Second Layer Ballast MARTIN STANISTA 100% Handover to Track Contractor Hardover In Track Contractor 12-May 11 A 100% 64-912-79036-96/91 13-Mey 11 A 10-Aug-11 Trecklork 0% Area 2 Stock South 24-May 11 13-Jul-11 15-34-11 Assuit Books Fast) 6A-013-TRCK 75(3) First Layer Ballast 24-May 11 26-May 11 0% D: First Laver Ballast 20-May-11 (01-Jun-11 6A-013-TRCK 76(3) Second Layer Ballas ☐ Second Layer Ballast 6A-013-TRCK 95(3) Handover to Track Contractor Handover to Track Contractor 0% Daniel Daniel 6.A-013-TRCK-96(3) Trackwork Trackwork 0% Area 4 (East) 25-Apr 11 A 16-Aug-11 ■ 16-Aug-11. Area 4 (East) 6A-014-TRCK 52(3) Drains 25-Apr 11 A 06-Jun-11 95% 1 Drains 6A-014-TRCK 60(3) Ducts 25-Apr 11 A 06-Jun-11 95% 6A-014-TRCK-74(3) Cut Formation / Sub Ballast 25-Apr 11 A 07-Jun-11 25% Cut Formation / Sub Ballast 48-214-TROX-TIVE First Layer Ballast 07-Jun-11 13-Jun-11 D First Laver Ballast 0% sa gra-reck-re(x) Decom Leyer Bullet 13-Jun-11 20-Jun-11 U2b ☐ Second Laver Ballast Handover to Track Contractor 20-Jun-11 0% Handover to Track Contractor GW-814-FROS-DECK: Ynepones 13-Jul-11 16-Aug-11 0% Trackwork Area 5 (Workshop Area inc. hardstanding) 04-Apr 11 A 13-Jun-11 ▼ 13-Jun-11, Area 5 (Workshop Area inc. hardstanding) 6A-014-TRCK-152(3) Drains 04-Apr 11 A 14-Apr 11 A 100% Drains Ouets 6A-014-TRCK 160(3) Ducts 15 Apr 11 A 21-Apr 11 A 190% 6A-014-TRCK 174(3) Cut Formation 25-Apr 11 A 27-Apr 11 A 180% out Formation Subbase 6A-014-TRCK 175(3) Subbase 26-Apr-11 A | 05-May 11 A LIBORE 6A-014-TRCK-176(3) Track Slab 27-Apr 11 A 24-May 11 27% Track Slab 6A-014-TRCK 195(3) Handover to Track Contractor 0% ◆ Handover to Track Contractor 24-May-11 6A-014-TRCK 196(3) Trackwork 24-May 11 13-Jun-11 0% Trackwork Area 6 (East of Access Bridge) 13-May 11 13-May 11 13-May 11 Area 6 (East of Access Bridge) 6A-013-TRCK 195 Works suspended awaiting Edinburgh Gateway decision 13-May 11 0 0% 708 Works succeeded exelling Edinburgh Edinburgh Statemen, Besisto 17-Oct-11, Depot Building 31-Mar 11 A 19-Sep-11 E & M Workshop Equipment Installation 19-Sep-11, E & M Workshop Equipment Installation 6A-01-BLDS-72 Installation of workshop equipment 31-Mar 11 A 19-Sep-11 120 25% Installation of workshop equipmen 17-Oct-11, Inspection & Handove Inspection & Hando 20-Sep-11 17-Oct-11 6A-01-BLDS-81 Inspection and Testing 20-Sep-11 17-Oct-11 20 0% Inspection and Testing Actions Seems 12-Aug-11 Access Roads 6A-01-ROAD-90|3| 13-May 11\* 20-May 11 0% Carpark 6A-01-ROAD-91(3) Hardstanding 13-May 11' 08-Jul-11 0% 113 Hardstanding 6A-D1-ROAD-94(3) 23-May 11 22-Jun-11 Access Road 6A-01-ROAD-95(3) 23-Jun-11 04-Aug-11 Complete Access Road & Finishes 0% Complete Access Road & Finishes 6A-01-JNCS-60 installation of traffic light control - Junction 208 05-Aug-11 12-Aug-11 0% 89 installation of traffic light control - Junction 208 ■ 16-Dec-11, E & M Installations Access for visual Inspection for E&M Depot installation 6A-01-OHLE-40 13-May-11 0% 708 Access for visual inspection for E&M Depot installation 6A-01-ELEC-40 Access for visual inspection to cable pits for cable laying (Depot) 13-May-11 0% 708 Access for visual inspection to cable pits for cable laying (Dep Install Signalling Wayside Equipment (Depot) 24-May-11 10-Jun-11 Install Signalling Wayside Equipment (Depot) 6A-01-OHLE-50(3 Installation of poles and building fixings (Depot) 0% installation of poles and building fixings (Depot) 24-May 11 10-Jun-11 Access for E&M Depot installation 6A-01-OHLE 41 Access for E&M Depot Installation 24-May 11 Date Checked Page 4 of 5 Approved Actual Work 10-May-11 Progress Update to 13 May 11 JAC BSC Remaining Work Critical Remaining Work

◆ Milestone

✓ Summary

### **Programme following Mediation EDINBURGH TRAM** BILFINGER BERGER SIEMENS on 8 - 12 March 2011 (110506) - Prioritised Works **NETWORK** Progress Update to 13 May 2011 Duration Jul | Aug | Sep | Oct | N | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Laug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May 6A-01-FLEC-41 24-May-11 Access to cable pits for cable laying (Depot) Access to cable pits for cable laying (Depot 0 0% 106 Install Electrical Cables Depot 6A-01-FLEC-70 Install Electrical Cables Depot 24-May-11 29-Jun-11 0% 121 6A-01-SIGN-40 Installation of 2 SIG-interlocking cubicles depot entries 08-Jun-11 13-Jul-11 0% 106 Installation of 2 SIG-interlocking cubicles depot entries 5C-02-SIGN 90 Installation of SIG equipment on depot entry west 22-Jun-11 06-Jul-11 0% 106 installation of SIG equipment on depot entry west Commissioning of 2 SIG-Interlocking cubicles depot entries 06-Jul-11 20-Jul-11 Commissioning of 2 SIG -interlocking cubicles depot entries 6A-01-OHLE-60(3) Overhead Catenary Line (Depot) 31-Aug-11 24-Nov-11 61 0% Overhead Catenary Line (Depot) 6A-01-TRCK 80 Points machine mechanical set up 29-Sep-11 27-Oct-11 Points machine mechanical set up 0% 6A-01-OHLE-60(3)10 OCS Testing & Commissioning 24-Nov-11 16-Dec-11 0% OCS Testing & Commission 31-Mar-11 A 21-Jun-11, Operation Control Center (OCC) 6A-01-SIGN-150 equipment foor fit out SIG/COM/SCADA/Radio 31-Mar-11 A 23-May-11 25 75% 127 equipment foor fit out SIG/COM/SCADA/Radio 6A-01-SIGN-110 operating filoorfilt out 09-May-11 A 21-Jun-11 127 operating floor fit out 31-Mar-11 A 06-Apr-11 A ₩ 06-Apr-11 A, SECTION 07 GOGAR TO EDINBURGH AIRPORT SECTION 07 GOGAR TO EDINBURGH AIRPORT 07A Gogarburn (exc.) to Edinburgh Airport (inc.) ₩ 06-Apr-11 A, 07A Gogarburn (exc.) to Edinburgh Airport (inc.) 31-Mar-11 A 06-Apr-11 A Ingliston Park & Ride (exc.) to Edinburgh Airport (inc.) ₩ 06-Apri-11 A, Ingliston Park & Ride (exc.) to Edinburgh Airport (inc.) 31-Mar-11 A 06-Apr-11 A ₩ 06-Apr-11 A, Trackwork (833m) Trackwork (833m) EAL Programme 31-Mar-11 A 06-Apr-11 A ₩ 06-Apr-11 A, EAL Programme Phase C 31-Mar 11 A 06-Apr 11 A W 06-Apr-11 A, Phase C 7A-05-W14C-07 Site Clearance 31-Mar 11 A 06-Apr 11 A

Date	Revision	Cnecked	Approved
10-May-11	Progress Update to 13 May 11	JAC	BSC
	19	50.7	100°

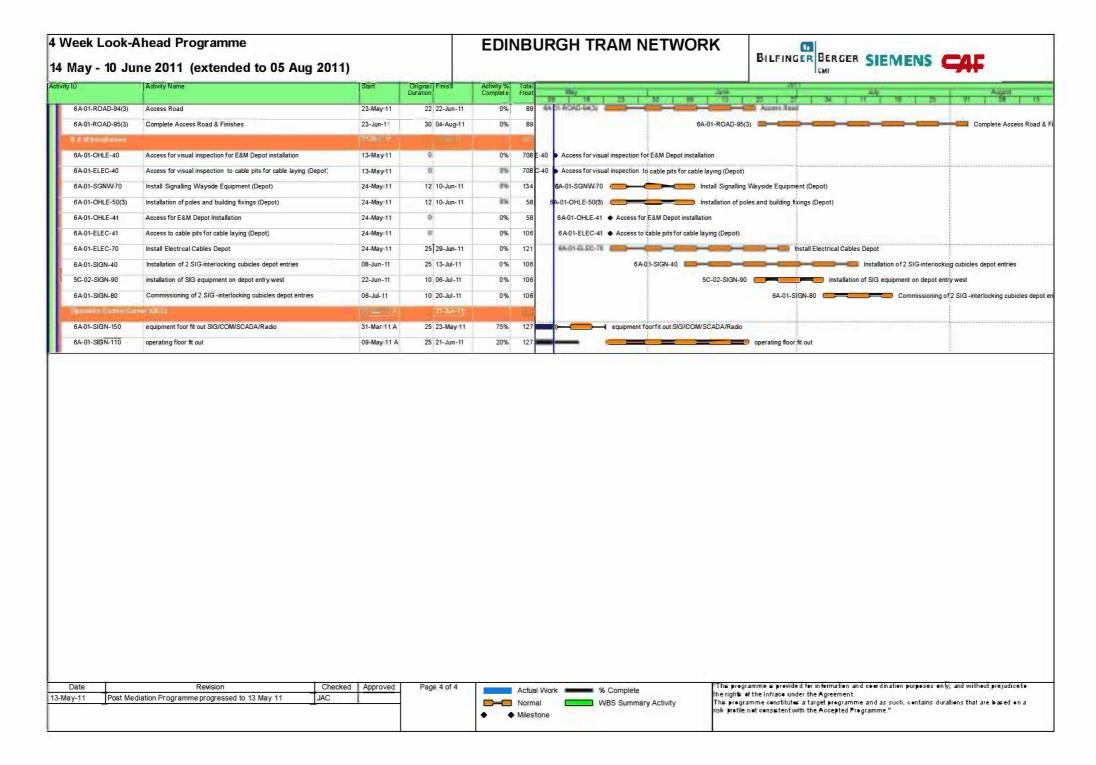








## 10.3 Look Ahead Programme









## 10.4 Tram Programme





UNIT	STATUS
A-1	Ready for Transport, FATT issued
B-1	Ready for Transport, FATT issued
C-1	Ready for Transport, FATT issued
F-1	Ready for Transport, FATT issued
G-1	Ready for Transport, FATT issued
D-1	Ready for Transport, FATT issued
E-1	Ready for Transport, FATT issued

UNIT	STATUS
A-2	Delivered at Princes Street. FART issued
B-2	Delivered at Princes Street. FART issued
C-2	Delivered at Princes Street. FART issued
F-2	Delivered at Princes Street. FART issued
G-2	Delivered at Princes Street. FART issued
D-2	Delivered at Princes Street. FART issued
E-2	Delivered at Princes Street. FART issued

UNIT	STATUS
A-3	Ready for Transport, FART issued
B-3	Ready for Transport, FART issued
C-3	Ready for Transport, FART issued
F-3	Ready for Transport, FART issued
G-3	Ready for Transport, FART issued
D-3	Ready for Transport, FART issued
E-3	Ready for Transport, FART issued

UNIT	STATUS
A-4	Ready for Transport, FART issued
B-4	Ready for Transport, FART issued
C-4	Ready for Transport, FART issued
F-4	Ready for Transport, FART issued
G-4	Ready for Transport, FART issued
D-4	Ready for Transport, FART issued
E-4	Ready for Transport, FART issued

UNIT	STATUS
A-5	Ready for Transport, FART issued
B-5	Ready for Transport, FART issued
C-5	Ready for Transport, FART issued
F-5	Ready for Transport, FART issued
G-5	Ready for Transport, FART issued
D-5	Ready for Transport, FART issued
E-5	Ready for Transport, FART issued





UNIT	STATUS
A-6	Ready for Transport, FART issued
B-6	Ready for Transport, FART issued
C-6	Ready for Transport, FART issued
F-6	Ready for Transport, FART issued
G-6	Ready for Transport, FART issued
D-6	Ready for Transport, FART issued
E-6	Ready for Transport, FART issued

UNIT	STATUS
A-7	Ready for Transport, FART issued
B-7	Ready for Transport, FART issued
C-7	Ready for Transport, FART issued
F-7	Ready for Transport, FART issued
G-7	Ready for Transport, FART issued
D-7	Ready for Transport, FART issued
E-7	Ready for Transport, FART issued

UNIT	STATUS	
A-8	Ready for Transport, FART issued	
B-8	Ready for Transport, FART issued	
C-8	Ready for Transport, FART issued	- 3
F-8	Ready for Transport, FART issued	
G-8	Ready for Transport, FART issued	- 1
D-8	Ready for Transport, FART issued	
E-8	Ready for Transport, FART issued	

UNIT	STATUS	
A-9	Ready for Transport, FART issued	Π
B-9	Ready for Transport, FART issued	
C-9	Ready for Transport, FART issued	
F-9	Ready for Transport, FART issued	
G-9	Ready for Transport, FART issued	
D-9	Ready for Transport, FART issued	
E-9	Ready for Transport, FART issued	

UNIT	STATUS	
A-10	Ready for Transport, FART issued	
B-10	Ready for Transport, FART issued	- 15
C-10	Ready for Transport, FART issued	
F-10	Ready for Transport, FART issued	= 3
G-10	Ready for Transport, FART issued	
D-10	Ready for Transport, FART issued	
E-10	Ready for Transport, FART issued	







UNIT	STATUS
A-11	Ready for Transport, FART issued
B-11	Ready for Transport, FART issued
C-11	Ready for Transport, FART issued
F-11	Ready for Transport, FART issued
G-11	Ready for Transport, FART issued
D-11	Ready for Transport, FART issued
E-11	Ready for Transport, FART issued

UNIT	STATUS	
A-12	Ready for Transport, FART issued	
B-12	Ready for Transport, FART issued	- 5
C-12	Ready for Transport, FART issued	
F-12	Ready for Transport, FART issued	
G-12	Ready for Transport, FART issued	
D-12	Ready for Transport, FART issued	
E-12	Ready for Transport, FART issued	

UNIT	STATUS	
A-13	Ready for Transport, FART issued	
B-13	Ready for Transport, FART issued	
C-13	Ready for Transport, FART issued	- 8
F-13	Ready for Transport, FART issued	
G-13	Ready for Transport, FART issued	
D-13	Ready for Transport, FART issued	
E-13	Ready for Transport, FART issued	

UNIT	STATUS	
A-14	Ready for Transport, FART issued	
B-14	Ready for Transport, FART issued	
C-14	Ready for Transport, FART issued	
F-14	Ready for Transport, FART issued	
G-14	Ready for Transport, FART issued	
D-14	Ready for Transport, FART issued	
E-14	Ready for Transport, FART issued	

UNIT	STATUS	
A-15	Ready for Transport, FART issued	
B-15	Ready for Transport, FART issued	- 8
C-15	Ready for Transport, FART issued	
F-15	Ready for Transport, FART issued	= 3
G-15	Ready for Transport, FART issued	
D-15	Ready for Transport, FART issued	
E-15	Ready for Transport, FART issued	





UNIT	STATUS
A-16	Ready for Transport, FART issued
B-16	Ready for Transport, FART issued
C-16	Ready for Transport, FART issued
F-16	Ready for Transport, FART issued
G-16	Ready for Transport, FART issued
D-16	Ready for Transport, FART issued
E-16	Ready for Transport, FART issued

UNIT	STATUS
A-17	Ready for transport, FART issued
B-17	Ready for transport, FART issued
C-17	Ready for transport, FART issued
F-17	Ready for transport, FART issued
G-17	Ready for transport, FART issued
D-17	Ready for transport, FART issued
E-17	Ready for transport, FART issued

UNIT	STATUS	
A-18	Ready for transport, FART issued	=3
B-18	Ready for transport, FART issued	
C-18	Ready for transport, FART issued	3
F-18	Ready for transport, FART issued	
G-18	Ready for transport, FART issued	
D-18	Ready for transport, FART issued	
E-18	Ready for transport, FART issued	-7

UNIT	STATUS
A-19	Ready for transport, FART issued
B-19	Ready for transport, FART issued
C-19	Ready for transport, FART issued
F-19	Ready for transport, FART issued
G-19	Ready for transport, FART issued
D-19	Ready for transport, FART issued
E-19	Ready for transport, FART issued

UNIT	STATUS
A-20	Ready for transport, FART issued
B-20	Ready for transport, FART issued
C-20	Ready for transport, FART issued
F-20	Ready for transport, FART issued
G-20	Ready for transport, FART issued
D-20	Ready for transport, FART issued
E-20	Ready for transport, FART issued







UNIT	STATUS
A-21	Ready for transport, FART issued
B-21	Ready for transport, FART issued
C-21	Ready for transport, FART issued
F-21	Ready for transport, FART issued
G-21	Ready for transport, FART issued
D-21	Ready for transport, FART issued
E-21	Ready for transport, FART issued

UNIT	STATUS
A-22	Ready for transport, FART issued
B-22	Ready for transport, FART issued
C-22	Ready for transport, FART issued
F-22	Ready for transport, FART issued
G-22	Ready for transport, FART issued
D-22	Ready for transport, FART issued
E-22	Ready for transport, FART issued

UNIT	STATUS
A-23	Ready for transport, FART will be issued
B-23	Ready for transport, FART will be issued
C-23	Ready for transport, FART will be issued
F-23	Ready for transport, FART will be issued
G-23	Ready for transport, FART will be issued
D-23	Ready for transport, FART will be issued
E-23	Ready for transport, FART will be issued

UNIT	STATUS
A-24	Ready for transport, FART will be issued
B-24	Ready for transport, FART will be issued
C-24	Ready for transport, FART will be issued
F-24	Ready for transport, FART will be issued
G-24	Ready for transport, FART will be issued
D-24	Ready for transport, FART will be issued
E-24	Ready for transport, FART will be issued

UNIT	STATUS
A-25	Ready for transport, FART will be issued
B-25	Ready for transport, FART will be issued
C-25	Ready for transport, FART will be issued
F-25	Ready for transport, FART will be issued
G-25	Ready for transport, FART will be issued
D-25	Ready for transport, FART will be issued
E-25	Ready for transport, FART will be issued



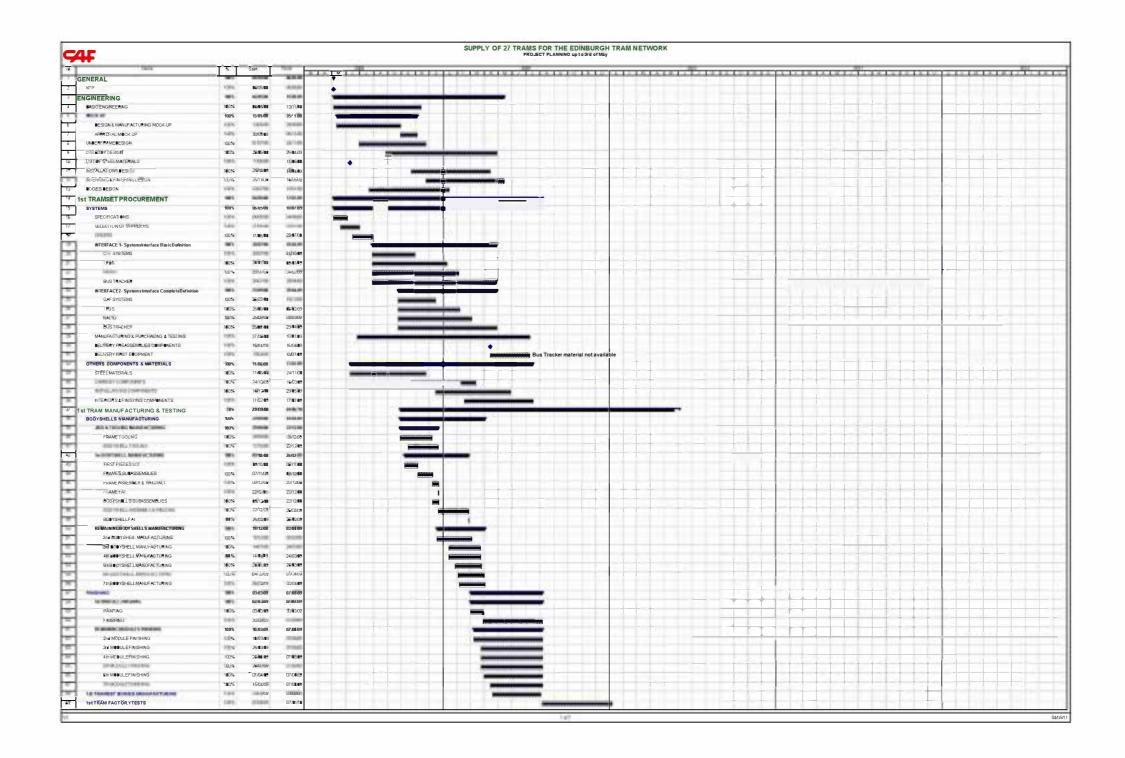


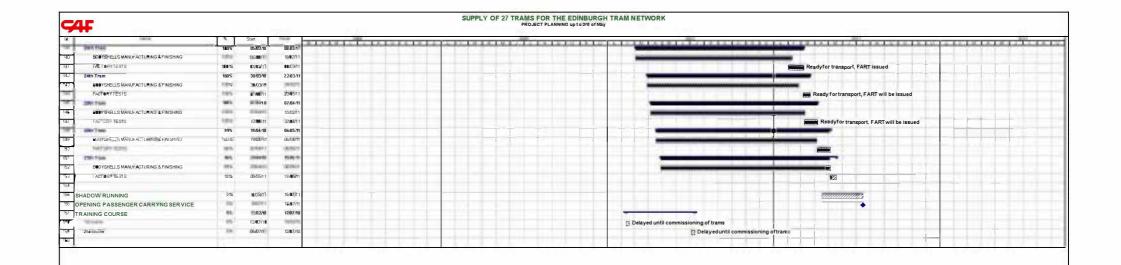
UNIT	STATUS
A-26	Factory tests to be achieved beginning of May
B-26	Factory tests to be achieved beginning of May
C-26	Factory tests to be achieved beginning of May
F-26	Factory tests to be achieved beginning of May
G-26	Factory tests to be achieved beginning of May
D-26	Factory tests to be achieved beginning of May
E-26	Factory tests to be achieved beginning of May

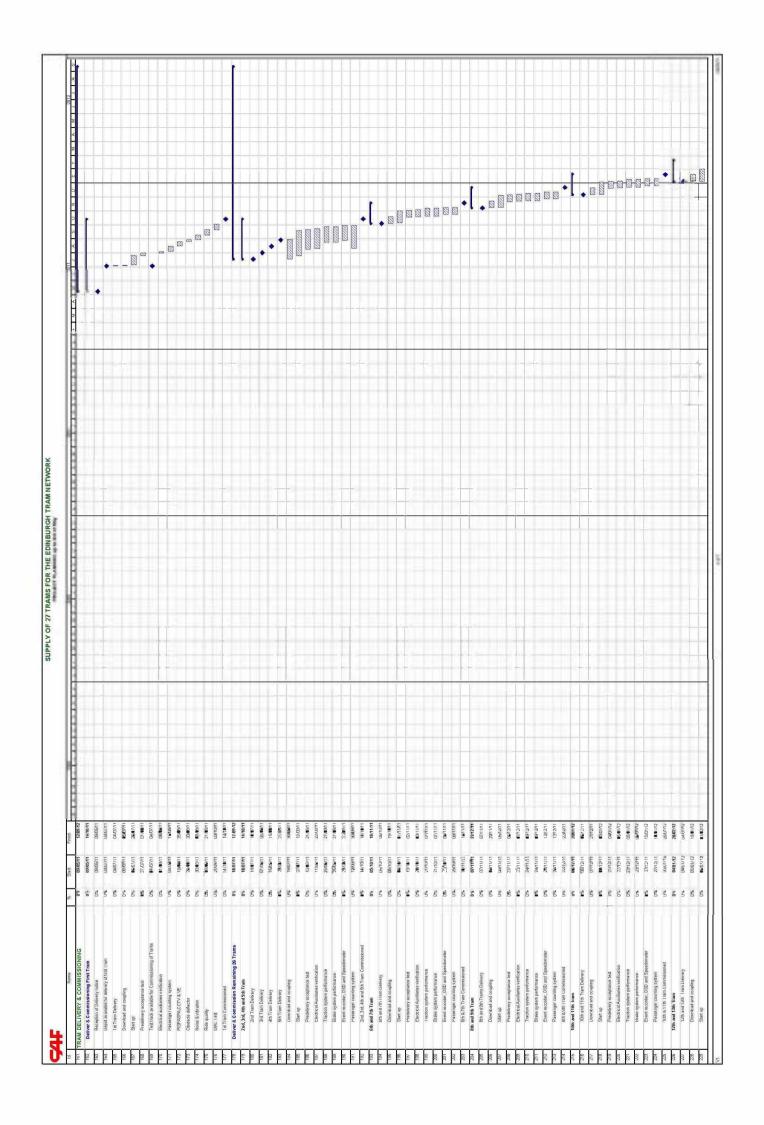
UNIT	STATUS
A-27	Finishing process, to start factory tests in May
B-27	Finishing process, to start factory tests in May
C-27	Finishing process, to start factory tests in May
F-27	Finishing process, to start factory tests in May
G-27	Finishing process, to start factory tests in May
D-27	Finishing process, to start factory tests in May
E-27	Finishing process, to start factory tests in May

Signed: Gorka Galdeano

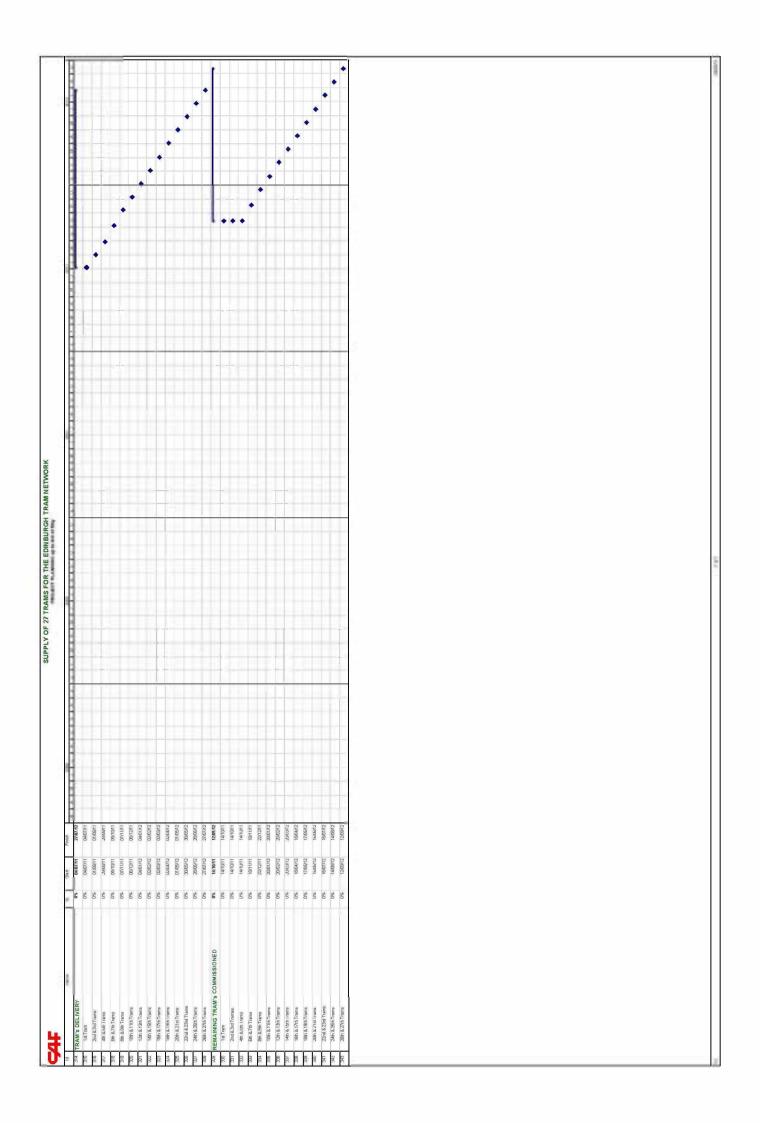
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	U2/48/H2	TAMBITZ	1209/12	27/187/12	13/88/12	24/48/12	27/ <b>48/</b> 12	28/88/12	SMBH12	STORES.	31,001,12	12/48/12
7707712	21/20/61	ZURUBL	27/07/12	27/47/12	20/07/12	31/07/12	13/00/12	14/09/12	TSABA?	15/88/12	17/88/12	12/86/12
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dermance	Even recorder, DSD and Spreedometer	ricommissioned		am Deliver	Bujdne		grande test	res verification	pertormance	riemance Co	Even Recenter, Usu and speedemate Hassenger ceunting system	<b>添加</b>
ante rake system pertermance	Van recorder	White A John   Farr	nd 27th Tram	5th and 27th Tr	ownload and o	tart up	redelinery stoe	ectrical Auxilia	raction system	rake system pe	ven recender,	in £27th Tran
	NO.	74	26th ar	58	0	is .	ĭ	Ü	<u>-</u>	at i	űű	R
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## 10.5

RFI Register No Appendix Attached.







### 10.6 Civil Works Procurement Schedule

		curement / Register										BILFINGER BERGER											Appen	ndix 10.6
Contra	act : Edinb	urgh Tram Network										UK Limited						PROC	ESSES					
								PROG	RAMN	NE REQUIREMEN	ITS					_	_			_		_	_	
Enquiry Ref Number	Subcontract Order Number	Subcontract Trade	Section	Company	SD	Enquiry Needs Sent Out By (F74-3)	Status	Order Needs Placed By	75	Letter of Intent Issued / Limited Order to Proceed	Required for Start on Site	Design Package Issued for Construction	F74-11	F74-9	F519	F74-1 Autho Place	ū	CI 28 4 Approval	F74-4 FreAward/Fr	F74-5	Order	Orde Back	F74-11 Starter Førm	F74-2
1		Land Surveys (SW)	sw	Becker Geomatics Ltd	КВ	n/a	7	n/a	1	n/a	n/a	n/a	1		-		n/a		1	-	V'	1	1	
2	J	Tree Felling / Advance Works (SW)	sw	W Laing	JŢ	n/a	1	n/a	✓	n/a	n/a		- 50	1	B	1 33	n/a		1		1	1	1	
3		Site Clearance / Civils Package (7A)	7A	Farrans (Construction) Ltd	DG	n/a	1	n/a	~		n/a		1		e i		n/a				~		<b>√</b> ₹	
4		Setting Out Engineers / Advance Works	sw	Beattie Chalmers Itd	JT	n/a	√′	n/a	✓.		n/a		n/a		L §		n/a				v/	1	٧č	
5		Demolition of Caley Alehouse	2A	John Graham (Dromore) Ltd	DG	n/a	v	n/a	1	1	16-Jun-08		1		90		n/a	-			v'		1	
9		Existing Road Surveys	sw	Mouchel	КВ	n/a	1	n/a	1	n/a	23-Jun-08		V	$\vdash$	2		n/a		✓′	$\vdash$	✓.	1	1	
10		Erection of Temporary Trackside Fencing	5	Lumberjax Environmental	JT	n/a	1	n/a	1		21-Jun-08		- 33	1	Īξ	1 3	n/a		18	1	¥.	1	*	
11		Civils Package	7A/5C	Farrans (Construction) Ltd	DG	16-Jun-08		28-Jul-08		06-Aug-08	04-Aug-08		1	1	Ţ.				V				1	
12		Civils Package	2A1D5A	John Graham (Dromore) Ltd	GA	23-Jun-08		21-Jul-08			02-Mar 09		1	j	15	1	1		1		1			
17		Temporary Works Design	sw	Tony Gee	TG	12-May-08	V	23-Jun-08		30-Jun-08	n/a		1			1	n/a		- 17				V	
18		Formwork, Rebar, Concrete	5	Expanded Ltd	GA	23-Jun-08	V	21-Jul-08		29-May-09	18-Aug-08		1		n/a		n/a							
20		PC Beams	5	Banagher	TG	23-Jun-08	1	20-Oct-08	1		01-Dec-08		-3		2	-8	1							
21		Site Clearance	5	Edinburgh Woodland	JT	04-May-09	1	19-May-09	V'	n/a	25-Jun-09						n/a		V	n/a	1	V	√′	
23		A8 Lighting Column Relocation	5	Harte Lighting & TRL Signs	JT			18-Jan-09	1	n/a	18-Jan-09		V	1		- 1	1		- 1	n/a	V'	V	✓	
24		Photography	sw	White House Studios	КВ	04-Jun-08	7	16-Jul-08	1	n/a	23-Jul-08		1	i –	n/a	- 5	n/a		1	n/a	V'	1	1	
25		Structural Steel	5	Fairfield Mabey	GA	Jan 08	7			26-Jun-08	01-Dec-08	28-Jul-08	1	1	n/a	1	1						1	
26		Traffic Management (SW)	sw	Class One	TG		1	22-Jul-08		22-Jul-08	05-Aug-08	İ	1	1	√°	- 0	n/a		1	1				
34		Designers	sw	Parsons Brickerhoff	КВ									1			1						×	
38		Civils Package	6	Barr Ltd	DG	26-May-08	✓	07-Jul-08	V'	02-Jun-08	04-Aug-08	1	1	n/a		- 13			1		1	1		
39		Murrayfield Clubhouse	5A	BMR Developments	JT	09-Mar-09	v"	07-Sep-09		n/a	07-Sep-09	Ì	1	1			1		1	n/a	1		V	
42		PropertyConditions Survey	sw		DG						17	i e	1/2	1		1	n/a		- 5					
44		Site Investigation Works	5	Raeburn	JT	02-Jun-08	1	30-Jun-08	1	n/a	07-Jul-08	İ	- 9	İ		- 8	n/a		1	n/a	1	1	1	
45		Civils Package	1B	Crummock	DG	04-Aug-08	v'	10-Oct-08		10-Sep-08	06-Oct-08	07-Jul-08	1		1	1	1		✓′	1			1	<b>†</b>
46		Civils Package	1D	MacKenzie	DG	04-Aug-08	v*	27-Oct-08		17-Dec-08	05-Jan-09	04-Jul-08	1	1	1	1			V				V	
48		Control Network Survey Check - Site Wide	sw	L & M Surveys	КВ	03-Jul-08	V	14-Jul-08	V'	n/a	14-Jul-08		1	n/a	n/a		1		✓′	n/a	√′	V	V	
49		Civils	cw	Land & Building Services	DG	14-Jul-08	1		V'	n/a			1	1	7	1	1		✓′	n/a	√′	V	V	
53		Acoustic Monitoring	sw	RMP Acoustic Consultants	КВ	n/a	1	20-Jul-08	1		27-Jul-08		1		1		n/a		V		1	1	1	$\vdash$
55		BT Duct & Cable works	sw	Fujitsu	CF	n/a	1	12-Oct-09	1		20-Oct-09		1		n/a	1			1		1	1	1	
58		Ecologist	sw	JDC Ecology Ltd	КВ		1		V				- 6			. 8			1		<b>V</b>	1	V	
60		Demolition	sw	Hunter Demolition	SK	14-Jul-08	1	01-Aug-08	V'	28-Jul-08	18-Aug-08	İ	1	i –	n/a	1	i –		1		1	1	√'	
61		Archaeology	sw	Glasgow University Research Divisio	TG	n/a	7	n/a	1	n/a	04-Aug-08		n/a		n/a	- 4			1	n/a	1	1	1	$\vdash$
65		Supply of CRE	sw	Siemens TS	sĸ	n/a	7	n/a	1	n/a	n/a		n/a	1	n/a		İ		n/a	n/a	1	/	1	
70		Groundworks	5	Gallagher Goundworks	SK	25-Jul-08	1	04-Aug-08	V.	n/a	11-Aug-08		1	1		1 3	n/a		1.3		1	1	√.	
73		Edinburgh Park Hoarding	5	Rapid Hoard Ltd	JT	01-Aug-08	1	15-Aug-08	~	n/a	29-Aug-08		1	İ	√"		n/a		1	n/a	7	1	√.	
74		A8 Underpass	5	Expanded Piling Ltd	GA	06-Aug-08	1	03-Sep-08	V*	15-Sep-08	15-Sep-08		V	1	√°	1	1		1	1			√	
77		Temporary Traffic Signals	sw		DG					n/a	02-Oct-08		n/a			l à			1					
81	1	Section 5 Structures	5	Expanded Structures Ltd	GA	03-Oct-08	1	n/a		05-Nov 08	Nov 08		✓	1	n/a	1	1		1				v′	

		curement / Register urgh Tram Network										BILFINGER BERGER	-						111111				Apper	ndix 10.6
-		g						PROG	RAMN	NE REQUIREMEN	NTS	UK Limited						PROC	ESSES					
Enquiry Ref Number	Subcontract Order Number	Subcontract Trade	Section	Company	SO	Enquiry Needs Sent Out By (F74-3)	Status	Order Needs Placed By	75	Letter of Intent Issued / Limited Order to Proceed	Required for Start on Site	Design Package Issued for Construction	F74-11	F74-9	F519	F74-1 Autho Piace	0	CI 28 4 Approval	F74-4 PreAwardPr. art	F74-5	Order	Orde	F74-11 Starter Førm	F74-2
82		Japanese Knotweed Eradication	5	TCM Ltd	GA	16-Sep-08	7	n/a	1	30-Sep-08	20-Oct-08		1		n/a				1	n/a	1	1	1	
84		Site Clearance	5	D Methuen Turnstone Ltd	JT	n/a	7	15-Sep-08	1	n/a	16-Sep-08				n/a		n/a		1	n/a	1	1	1	
85		Traffic Management Design		Faber Maunsell	SK	12-Sep-08	7	08-Oct-08	1	n/a	10-Oct-08				n/a	1					1	<b>✓</b>	1	
86		Steel Foundations	S27	Steel Foundations Ltd	DT					14-Oct-08	15-Oct-08		1	1	n/a	1			1	n/a			1	
87		Temporary Sheet Pilling Carrick Knowe	S23	McGrattan Piling Ltd	DT	06-Oct-08	7	20-Oct-08		05-Nov 08	20-Nov-08		1	İ	n/a				1				1	
88		Civils Package	1A1	Included in 89	SK	03-Oct-08	7						1		n/a		n/a							
89		Civils Package	1A2	McKean	SK	03-Oct-08	7	02-Sep-09		10-Jun-09	13-Jul-09		1		n/a	- 39								
90		W1, S16, S17 - Structures	1A	Included in 89	SK	03-Oct-08	7				2 0		1	İ	n/a	- 33	n/a		1					
91		Temporary Traffic Signals		Lochwynd	SK			21-Nov 08	1		12-Dec-08		1		n/a	1	n/a				1	1	1	
95		Site Clearance	5B / 5C	MW Groundworks Ltd	JT	28-Nov 08	7	12-Dec-08		n/a	22-Dec-08		1	1	n/a		1		1	n/a	1	1	1	
96		Fencing to Consortium Office		William Houston Landscaping	JT	19-Dec-08	7	16-Jan-09	1	n/a			1	1	n/a		n/a			n/a	1	1	1	
100	2	Temporary Traffic Signals	1	Siemens Traffic Controls	SK				1	09-Jan-09	10-Jan-09		n/a		n/a	1			n/a	n/a	1	1	1	
101		Amendments to Existing Traffic Signals	1	Telent	SK	n/a		19-Jan-09	1	n/a	26-Jan-09		1		n/a	1	n/a				1	1	1	
102		Amendments to Existing Traffic Signals	1	Peek	SK	n/a		19-Jan-09	1	n/a	26-Jan-09	İ	1		n/a	1	n/a		n/a	1	1		1	
103		Earthworks	6	Duncan Collier Haulage	JL					03-Apr-09	04-Apr 09		✓		n/a	1	n/a		1	V	1	1	✓.	
104		Modelling Costs	1	Colin Buchanan	SS		T		Н		10 10	1	- 7	1	n/a									$\vdash$
107		A8 Underpass Sheet Piling	5C	McGrattan Piling Ltd	DAT	01-Nov 08		16-Mar-09	1	05-Mar-09	06-Apr 09		V		n/a	1			~		7	1	✓.	
108		Substation Prefab Buildings	sw	Portastor	SK	01-Mar-09	1	01-Jul-10					V		n/a	-								
109		Environmental Emergency Response	SW	DAMM Environmental Ltd	JL	04-May-09	1	04-Jun-09		26-Jun-09	26-Jun-09		V		n/a	1			1		1	1	1	
110		Temporary Lighting	5B	Cityof Edinburgh Council	JL	02-Jun-09	1	13-Jul-09		26-Jun-09	27-Jun-09		V		n/a	1					1	1	✓.	
111		OHLE Piling Contractors (Guided Busway)	5	MG Construction	JL		1			07-Aug-09	24-Aug-09		1		n/a	1			1		7		✓.	
112	1 2	Site clearance - billboards	5	Primesight Limited	JT	n/a	1	01-Apr-11			01-Apr 11			Ì	n/a									
118		Temporary Staircase - JB McLean Building	2A	Interserve	DT			04-Jan-10			06-Jan-10		V		n/a	1			~		1	1	✓.	
122		Power Cable Diversions	5C		CF										n/a									
		Tramstop Shelters & Ancillary Equipment	sw	RWS	SK	01-Mar-09	1	01-Jul-10					1		n/a									
128		Design, manufacture, assemble, deliver and install OCR furniture for Siemens	6	Thinking Space Systems Ltd	sw	16-Dec-10		23-Mar-11								1								
	1				1									1	4		1							

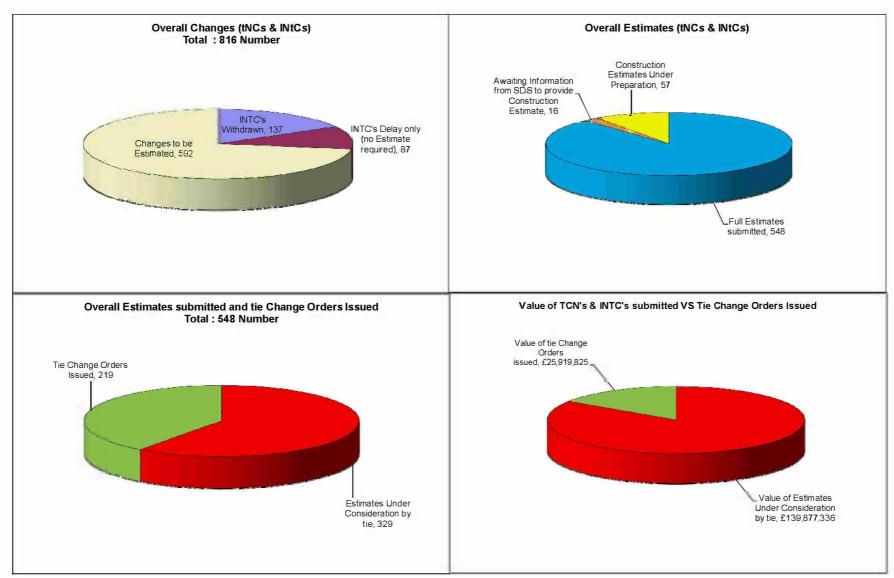






# 10.7 Change Register

# INFRACO ESTIMATES SUBMITTED VS TIE CHANGE ORDERS ISSUED STATUS AT 12 May 2011



	DESIRAL	MUNIMITES.	ē.														- 34	MARCAL BATTAN	MON			
				Location / Description	-	etter)	Туре о	f Change	Pr	inciple of Change St	atus	Mbere!	(Money				Value of Estima	ate Submission / Ch	ange Order (£GB)	P)		
***	*	-	Selfan	Brief Description of Change	-	latertal	Туре	Change Type	Agreed	Not Agreed	\$1 turnet	***	4	***	***	****	-	-	***	Several Paris	-	twe
11		-		4 D	21-May-08	77	#		401						2,225 000	1,299,000		3 524,000	Inc	1		3,524
1			16	remarks operated with the map in daily a non-queet map in the 2 th place of the map in lead of collected the standard like that it is controlled the first it because that a appendix that it	21-May-08	148	w			- Ma			*		76,238			76,236	7,624	5,641	13,342,	102
1		.#1	SW ON	Receipt of tie let et PR® Infraco 2106 dated 9 May 2008	21-May-8€	188	#	1	794						66,012			66,812	6,60	1 4,885	11,552	89
			5Æ	nst keting us to proceed with road's avevs Received be letter PRC Infrato, 2107 dated 9 May/2008 Instructing user proceedwish is thesel Road Bridglein advance of receiving IFC drawings witch Is, a natified departure and mandation yit of thange Received is letter PRC Infratos, 2408 dated 9 May/2008	21-Mary-B8	100	+	*			10	MSC										
(8)			- 1	Received to letter PRO Intrans_210s dated 9 May 2008    Instructing just proceed with Haymrafish Xiladuse in advance of receiving IEC drawings which is a notified departure and mandatory tie. Chailing.    Received be letter PRO Intrans_2109 dated 9 May 2008	21-May-B8	- 10	18	7.0			7.1	BSC										
X.			36	Instructing us to proceed with Sogarbum Bridge in advance of lesting IFC drawings (read as Surcharge subject to tie confirmat in it.	21-May-B8	.100	. JE.	L.X.			10	MSC										
		77.	*	oe Representatives request for a hard standing at Hay market Yangs	23-Мау-08	-	ii.															
0			/SW/	Various Drawing Revisions since the Base Date Design	26-May-08	43											1					
.1.			011	Information amending the Design prefaired by the SDS Provider.  The GUARIB archeological dig currently ongoing in the size of Cogar Tramation is dealyling and elistipting the intraco in accessing Gogar Larvilli and establishment or thesite offices.	28-Mey-08	+	+	X			- 11	100										
4			-	forSection 7	28-May-88	-	+				-	100										
W			-		ъ¥-Мау-йа̀	-	+															
12			78	The COANNE archeological dig currently ong sing in the area of Gogar Transtep is assuring damage to the tram borridor between Ch 710000 -710300. This area will need to be mixed good since the topsoil removal is complete potentially delaying and disrumbing the fiffact Works.	28-May-08	:11	М	. 83				BSC										
রে			SW OFF	Notified Departure Inaccordance with paragraph 34.5 f and 3.5 state. Lie Pairla 9 state DEC Planning consents delay as state of the Pairla 9 state DEC Planning consents delay as communicated to the VSS SS of mail on 21.0-50 B in connection with Robelum Terrace Bruge, Transition and Petra his gwalls A and Belw each Agniand 24 April 2608 specifically but is an ongeing problem throughout the Mirror and Contraction.	28-Мау-08	·																
				Nathrad Department accordance with paragraph 3.4.5 I and 3.5 Sahebiae Part. 4 due to the MULEFA Contractor not having completes the Jobbins and Welefa Wall a Version in the Degit areal if accordance with the requirement of the Praigramme crossing being and 36 stopp in the in that our friendes Sections.	28-Ma <b>y</b> -88	0.7	1					AL.										
15			6	Notified Departure in ageirdance with paragraph 34 \$1 and 3 \$ Schedule Reit 4 due to the MUDFA Contrage for not naving complete ut the 350m oil of Water Main Alveston in the Depart area in accordance with the requirements of the Programme causing delay and disruption to the MOSCos Intended sequence	28-Мауғда	149	М					PSC										
*			16	Notifical Departure in secondance with paragraph 3.4.6.1 and 3.5. Schedule Part 4 due to the MUDFA Contractor not having comigined the 1500mm dia Sever diversit in the Departure all accordance with the requirements of the Programme cauling the ayan bols further than the factor and the secondance of the Programme cauling the ayan bols further to the Infracois intended septiments.	28:Ma <b>y</b> F88	-	*					10										
			56:	Nothed Departure in actordance with paragraph34 St. and 3 S Schedule Part 4 due to conflict with the 1500mm dia Base sewis unider the NUTA Bothact with the South Gyle Access and gewest as witness placed under uspetential years ingole ay and divruption to the inhaco's interfaed sequence	28-May-88	-	7															
360			*	colline Countries in communication of paragraph (3.8.1 and 1.8 colline) and the colline of the c	03-Fe <b>b</b> -09	iii.	÷	10			26	BSC		61,843				61,843	6,184	1 4,576		
ù.			4	Highly Deposits in an entire with using spright of all sent of through that a ser with tell of a Condensor receiving impaint they want that through the super sprint at the part with the sequences of the Proposition on Causing and a discussion is the influence of the other companies.	3 <b>8</b> -May 08	147		V.	là.			<b>B</b> SC			39,170			33,170	3,917	7 2,455	5,805	

	DESIGNA	MUNIMINE															- 14	HICH WINA	rox			
	-			Location/Description	-		Type o	f Change	Pr	inciple of Change St	atus	Admin't	nonety				Value of Estimat	e Submission / Cha	ange Order (£GBP	)		
+4	**	-	Sutten	Brief Description of Change	***	tatenta	Туре	Change Type	Agreed	Not Agreed	Notween .	200		*	Man	-	-	-	***	Seventhon Plantes	(Marindon)	twee
1		7/10	2A	any out orthaeological Survey e letter DELSCORR 176 May 2008	02-Lur H.08	147	1	10	4017						4,430			4,130	<b>4</b> 43	116	19	
				Disconnect ubities to Daley Afe House prior to Germilation as the s-mail (Alasias in this produce) by Males 1208 which is an United the Provisional Sum reducing an instruction by accordance with Schedule Part & Barrayraph 4:5A spendix B Paft 5 Table 2 the 1		-																
e		0.		S Table 2 nem	1040	165	+	80	400.0						4,488			4,488	**	-	- 144	
22			.8	Notified Elepature in accordance with paragraph 3.4 37, and 3.5 Schedule Part 4 diverto the Pastestos Survey to be carried outly treand the presence of Assestes in the existing Steps to raymarket Station Carpank causing dealy and disuption to the infraios intended programme and method of York	02-Juri-08	141	*	4			(4	BSC										
		**	2A	historia Evaluata de discovaria entre la constanta (E. E. de propieto de la compansión de l	mum.	.95	*	*1	4017						1,750			1 750	**	200		
ध				instruction to proceed with Verity Huise Access Roso pre IF.C	BBHylay BB	168						BSC	-									
25			16.	Instruction to proceed with the demonstron of Carey Ale House wheth is Delay to its use of Plear dyPlace (Baren 1/13) to GEGF or Phor Approva notified by Sign In admitted letter ULEO (1910-11-EF-00872 dated a) dure 2008 in associating with Schedule Part 24	08:Mby; 88	169	-					BSC BSE										
-			IB	larisgraph 9.4.5.4  Delayto issue For Oonstruction (IFC) Submissieris - Section ID due to changedapprovat per dos notified by SSIS in attached jetter ULE-9039-0-1-EFT-00571 dated J-June 2009 in accomissions—with Scheduler 1924 augraph 9.1.5.1	*7-Jun:8#	-						BSE										
			-17	Dealys issue or ordination (in 2) Submissions—section to due to change-reporcing jet on antitited by SSS in attached in the VILLENIOS of LEE TUDOST dated at June 2000 in conditions, with Schedule Part of apropaging 31.3 Dealys to sewer for conditions, with Schedule Part of apropaging 31.3 Dealys to sewer for consistency or CSS instruction (in 2) Submissions—Section 18. Weet to change dapproxy jet of constitted by SSSS in attached letter VILLENIOS of LEE TUDOST (in 2007), and a second condition of the CSSS in attached letter VILLENIOS in 3.0 LEE TUDOST (in 2007), and a second condition of the CSSS (in 2007).	17-Jun:0 <b>8</b>	169	77					388										
			2A	Délayto Haymarket Slatron Car PajkAkcess Rieadiue addițional and revisiens Initated by de, notified by SDS in their response to "attached Technical QueryBBS #06 calest 5 June 2007 in accerdance with Schedule Part 4 par agragif 3,45,4	17-Jun-88	169	=															
8			-	issinition to SDS to accelerate the certifiery of FC to meet the EBS grogrammes a SDS Letter 00331 in accordance with cheditude 81.4 garantigan 38.6 in accordance with instruction to SDS inprovides a single handral to Telford Roal Brigg as SDS (bitter 00257 mischordance with Schedule Patt 4	History	*1	-															
			18.	oaragraph 3.4.1	-	-	-															
				The second property of the second sec	March	46.	4	- 4				*										
3			14	Network Rail failuret - approve with n agreed timescales as \$DS tetter 0026b in accordance with Schedule Part 4 paragraph 3.4.27	17-Jun-86	169	T.	4			11	BSC										
			35	Dis Chaptering membershifted inter-base wythou is not ally their transfers with tradell Part on age to a still September 1988	Tirem.	-11	w	-			1.5	886										
95			ะพอห	NoviRegultrements.introduced by Public Sciam Design Wigiffook as 8055 (seeb; 10945 in Jacob duhoe with Schedule Pain 4 auditra 8/16/4/8)	17-Jun-08	169	181															
			. M.	Delay aful Disruption to Craw Road Bardens Bhidge In Cas SDS Letter 80298 in accordancewith Schedule Part 4 paragraph 3 495 1	History	*	*	7				200										
			- (8)	Delay and Elisruption to Roseburn Terrace Bridgo, Roseburn Tramstop, Roseburn Retaining Walls FC as SDS Letter 00238 In accordance with Schedule Part 4   ara raph 9 4 1 9	17=Jun;08	169	М	8.17			100	BSC										
			-	Delayand Discuption to Roads detailed design as SDS Letter 0,974 in accordance with Schedule Rack4 Bacagraph 3,4,5 1	17-Jun-888	169	М	-				BSC										
,			15	DelaytoShanikwickPlace Tram Stop Batch (1/16) Validation as SDSL etter 10646 in accordance yith Schedule Par: 4 paragraph 3 4 5 1	17-Juni08	169	М	1				BSE										
			1012	Delay and Disruption to Ground Investigation as SDS Letter 00647 in accordance with Clause 18 and Clause 65	-,440	to a	ii.	- 1			- 1	300										
			. 10	Delay and Disruption to Raveiston Transtop, Rayelston Byrkes Bridge, RoseCurn Retaining Walls, as \$05 Lettle 00241 in accordance with SchedulePart 4 paragraph 3.4 I 3 Delay and Disruption to Raveiston Transtop, Landscaping as	17-Juni-08	96	М	-0			24	BSĈ										
		-		SD\$ Letter 00247 in accordance with Schedule Part 4 paragraph	17-June 88	100	М	-V	1565					2,052				2,052	205	152		
3			-	Amendments to landscaging design Delayand Dishudden due toam ended design for Shandwick Place Light ng as SUS Letter 06669 in apticonate with Sofratule Part aparagraph 34 1.3	17-Jun-83	44	100						-					-				

	GENERA	L INFORMATIO	N														FIF	NANCIAL INFORMA	TION			
	-			Location / Description	Notifi	cation	Type o	f Change	Pr	inciple of Change St with tie	atus	Actions!	Comments				Value of Estimat	e Submission / Ch	ange Order (£GBP	)		
m+s	*	+	Sulfan	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	No Decision	BSC	4	SDS	BBUK	Siemens	CAF	Subtota	OH & P	Serverbon Pariso	one-halos	tere
	17		1,4	TN C001 Amendments to Ocean Terminal Eagust	28-May-08	T <b>1</b> 189	+	27	-			BSC			117,255			117,255	Incl	8,677	20 520	14
				Letay and Disruption due to amended design for A 25920 - Balfour Street Tram Stop as SDS Letter 0g/01 in accordance With Schedule Part 4 paragraph 3 4 I 3	-	64	-	47			- 74	hay										
46			18	with Sthedule Part4 paragraph 3.4.1.3 Delay and Disruption due to amended design for SDS_SB40-18 Reads Strett (which Landscalurs and Drainage as SDS Letter 00701 in action and branched by the stretch of the stretch o	0:4-Jui-08	**	М	00			11	BSC										
				3/11.3  Getayarid Disruption diletto am ended design for SDS947/2 - Issue Roads Design to Roads Authorityfor Approval Section  IAI, SDS87/870—Issue Roads Design to Roads Authorityfor Approval Section (IAI) Company (IAI) (I	04-Jul-03	711	М	J.			.,,	BSE										
*		.H	sw	inacco dance with Schedule Part4 paragraph 8.4.1.3 Additional, Rio Drawing as SDS letterref ULE 90130-SW-LET- 01100 date 4th July-Inconjuction with SUS Agreement Schedule Clause 15, and Schedule 4 Clause 35.5.4	18-Jul-08	100	D	- 80	828					3,024			()	3,024	300	2 (19)	3	
			S# 1	TNG 6 Bernard Street Putric Realm Works	24-Jun-B#	T 009	341	201	1.8	, Y		BSC	790	14	1,846,220			1,846,220	Inci	77,420	188,088	1,
14.	1		SW:ON	Various Traffic Signal requirements tie letter INF_CORR.038	18 - Jul-08	ETN(BSC)TIE8	11/	A.	640						- 19	31,16/8		31,188	Incl	incl		
		10	-	TN GDD2 Utilities diversions & associated work\$ deemed more suitable/ocinicusion with infracoworks rattler than MUDHA works issuedwith drawings & schedule. Section 6a.	06-Jun-08	T:48	1	17	4017				i		60,439		()	60,439	[nd	4,472	10,577	
+		T.Y	5E	TN C003 Utilities diversions & associated works deemed more suitable folinclusion with infrace works rather than Millor All works issued wither awings & schedule. Section 5	06-Jun+88	T-48	1	8	4017						25,703			25,703	lns 1	1,902	4,498	
53		3	5C	THE RESIDENCE OF THE PARTY OF T	******	100	1		6300						31,399			31,399	[ncl	2,324	5,495	
TOIL		.100	- 11	NOTES THE REPORTED BY		811	dine.	-	4628						ر94 D3 إ			94 031	9,068	€,958	ै∫6 456	
			+	MICOT (Maybe Squar Cent. Bigs. Args. at (\$1) angledes 2045, day being about one on their	24/2016	tim	, in	9	19				tle	420,000	8,860,391			9,280,391		654,047	1,473,232	1
55				Delay and Disruption but to late approval by/DES of SDS27980 3C Rosals, StreetLighting, laidscaping as SDS Letter00268 water Bruduly 2008 and in accordance with Schedule Part 4 araily at 174 1.3	29:Jui-08	44	М	- 43			- 1	BSC										
<b>6</b> 6			1A	Delay and IO Struption by GEO stue to late registering SeR bon 1A Batch 1,08 iF octoff the walk transtop and associated whee f route) as SDSLetter 00721 dates 110 JUly 2008 and in accordance with Schedule Part 4 puragraph 3 4 1,3	29-Jui-08	111	М	-				BSC										
				Delay and bis fupbin due to late approval by CEC of Section 15: as SDS Letter 00/22 dated 7th July 2009 and in accordance with SpheduloPart 4 patagraph 3/4 i 3	pints:	916	Jan.	1.7			- 1	941										
7				Delay and Disruption due to notification from CEO with respect to road safety Auditors comments for Hayharket Area of Section 1D as SDS Letter00733 dateo 11billy/2008 anoin accordance with SchedulePart 4 paragraph 3/4 1.3	1,000	177	"	- 11			- 11	-										
-	1	4	20129	Notified Departure in accordance, it is 3.4.37 and 3.5 Schedule Part # die to the A-bestcs Surgey, parmel out by ite and the presence of Abbestos ig/host 5/67/7,921,130.8.150 causing delay and disruption to the infractors intended programme and methic or whole.	31-Jul-08	397	М	-	4017						22,200			22,200	2,220	1,643	3,885	
-		2000	*	Diversion at Existing Sewergat Gogarburn Bridge educto conflict with the existing 300mm dia combined sewer with the Gogarburn Bridge converte pilling potentially causing delayyanal disruption to the Infracos intended sequence	24-Jul-08	Ħ	М		5505					₽,173	19,279			27 453	2,004	2,831	4 804	
				Infracoto investigate proposals forthere-use of the RBS Bunded Material within the final design	08-A.tg-08		М					BSC		1,994	77,658			79,647	199	5,894	13,938	
62			7.K	Draw down from Defined Provisional Sum Itah 2 Scottlen Power connections to the Depot and Ingliston Park & Rice and Item 11 Scottish Power connections to Phase 14 sub-stations, in	06-Aug-08	¥050009																
63			sw	Schedue Part4 Appendix B Table 1 Tensioning of everhead Contact System: tensioning method, comprising an Auto Tensioned TrolleyWire rorthe street running areas and Auto Tensioned Gatenary	15-Aug-08	*****		7														
64			1A	tem for H a 'ket exclusive to the Al ort	29-Jul-D8	T 027	T	1.	- 2			BSC			3,879			3,879	- 80	- 3		
65			5A	Myris (MICE Status Petterning Mice) Service Picture (selber as foreigness MICE)	23-Jul-08	hel	М	30	6237	-			tle	2,383				2,383	- 28	116	-	
	100		,A		23:JW-107	T 0:2					1							11				
da			5c	Revised Specification(RBS)Gogarburn Transtop version 2	15-Oct-08	- 10		-		11			-		7,664			7,664	Inci	567		
dit.			5C	RevisedSpecification (RBS) Gogarburn Transtopwersion 2	in haid.	THE STATE OF	1	0.	- 1			500				-						
67			5▲	Murrayfeld Tramstop Provision of secondary stáircase	15-Jul-08	264	М	W	6238			BSC		27,480				27,430	2,743	2,030	1	
50			SW @FF	SALES OF THE PARTY	-	-	М	+ .			14	BSG										
69			5B	On National States	The same	- 60	М					BS€										

### EDINBURGH TRAM NETWORK INFRACO CHANGE REGISTER CONFIDENTIAL

	THURA	L MYDROWTON															:41	MINERAL MITERAL	PIGN.			
	-			Location / Description	-	-	Туре	of Change	Pr	incipleof Change St	atus	MB441	(Moneyet)				Value of Estima	te Submission / Ch	ange Order (£GBP			
m+i	*	-	Suffer	Brief Description of Change		taturka	Туре	Change Type	Agreed	Not Agreed	\$1 turnet	*	4	*	#m	*****	-	-	*	Seventhon Plains	-	tee
7 <b>6</b>			59 16	Bankhesal Metalring Walsh Failure by MUC FA to complete works  HoW to Balfour Street IFG Drawings (As 68)	22-Aug.08 22-Aug-dib	485	10					B8C B8C										
72			10	Haymarket to Roseburn Junction – SIV Consent Issue (as 68)	¥e-Aug-88	48						BSC										
*			- 2	Rüsseli roam Retaining Wall - Confer nation Rhotweed	22-Aug 88	411	91														J.	
		- 40	14	SewerDiversion,GogarLanefill	05-Aug-08	196	- 16	-00	1598				4		1,335			1,335			V	
M		101	74	Trigger   period   Territorio de la Constitució de Servicio   Principal Servicio	08-Sep-10	_	-M	1.7	1						2,146			2,1416	- 11		100	
+		-#		Temporary Access Rampfrom Depart	05-Aug-08	1996	*	87	-801						12,086			12,086	1 209	884	2,115	
*	*	111	¥	7 f Prioris 4B & 4C2	08-Aug-0 <b>8</b>	(66)			New			1		341,318		326,723		668,041	34,132	25,258		7:
76a			.44	Gogaratellienal tram stop revisee Scope	2 <b>8-</b> Ap 10	5474	*	- 11			. 1		(4)	101,514				101,514	10,151	7,512		1
the .	186		100	Eslinburgh Gateway Project	29-Jul-10	t.5707	(#)	- 11	100			860										
-		111	=	n 5C <sub>i</sub> (Hatch	29-Aug-88	i ins	44.	9.7	2847					2,582	1,6337			4,419	-26	29	322	
rw.			:#:	Congo (Saylor Sandero) is drong of Estima gr. Foliped from page and retaring and recipin its same filling as Asia oppo- ted (COPP INT Associate August 2008)	02-Sep-08	m	ж.	10.	1997			300		41,034				41,034	4,103	3,037		
7			-	instruction from CECto westgrain alternative Ryoutfor Haymarket Junction	03-Sep-08	75	+	7.				無	*	44,056				44,056	4,406	3,260		
÷			38	Ingenier Biblioty (III) - (III) Inter Poly Ingly II Selford II by an expert Sale (IIII) (IIII) (III) II (III) (IIII) Selforde	08-Sep.08	85	*:	27						3,878				3,878	- 5			
i.			44	Continuential Yearth (plant), 10° read machine until diseased may later theory to each office section plant in sec the pear of the color of a LT 20° to see a Feynman 20°C.	08-Sep-03	_	9	9)	in.			int		8,998				8,998	-	-		
62			sw	Contamination fy Epping, Oil golution Contaminated material HousePoid waste	SR-Aug-tro		4															
68				Traffic Management - Temporary Traffic Signals	21-Aug-08	320																
	11			TNC##D Burnside mad#Iversion - Fees fordesign INF_CBRR 096)	20-Jun-88	ã00 T	***							-				-				
85			-08	SCAR Livery Commission (Cold Contractor Fire 1990 Cold Commission April 40 (19)	02-Jul-08	T.021	*		100						387,562			387,562	incl	28,660	67,823	
*	."		design	MUDFA TO INFRA CO transfer of utilities Diversion Section 1A 1B, I Cang ID	08-Aug-0 <b>8</b>	ger		60	15			BSC	15.0									
#	W	4	- 14	Participation of Controller	pain.	1966	+.	χ.	in.						255			-		24	- 14	
-	-14	19	50	PowerConnections-Phase Ia	06i-Aug-08	1660	M		2000			BSC				1,808 374		1,808,374				17
		137		Power Supply Ducts - Section 6	Minth.	3548	8		-						18646			10,646	Incl	- test	1,863	
els.		100	- 14	Pewer Supply Oucts - Ingliston Park an eRiel Tram Substation	(Special)	4411	10	Y	Nije.						1,849			1,849	-	141	- 10	
-			9	BalfourStreet Crossing	delmin	-		83	940			<b>B</b> SC		7,492				7,492	. And	-		
361			SW/	Change order lequest SOS Davelopment Workshim Altendarsa	31-Jul 88																	
			07	GETY 02-	1[4-Sep <sub>0</sub> 06	210	7	- 10	See .						41 945			41945	0.4	3,184	7 340	

	HHIM	- HPURINTIE															34	MARCINE MPERAN	nos			
	-			Location / Description	ter.	-	Туре о	f Change	Pr	inciple of Change St	atus	Adeni	nomety.				Value of Estima	te Submission / Ch	ange Order (£GBP			
***	+	-	Sutten	Brief Description of Change		tatanta	Туре	Change Type	Agreed	Not Agreed	\$1.0mm	***	4	-	+-	****	-	2	***	Seventier Parket	-	tee
.52				Design the Russell Read retaining wall to ensure that this avoids clashing with the existing selfer be perfected INF CORR_0\$1 dated 23/07/08	11-Sep-08	T 051						#SC										
×			- 4	Lindsay Road, Oce ar	24-Sep-08	101	**	-97		574		SSC		40,137	. 48			40,577	4,058	3,003		47,63
			14	Hilton Hotel Full Planning	Name of	.00	ii.	- 5%		14		ssc		9,349				9,349	100	46		10,97
95				Auditional Excet Prior Approvals	14-JHJ-08	259																-
*			*	Shandwick PlaceDED preferential Treatments	No.	in.	=	*		19			. *	48,087	210,461			258,548	6,163	20,134	36,831	321,67
#		180	- 12	Baigreen road Bridge Arhending Technical Design	Harm	-	in	*1	inc.	F			4	2,085				2,085	2.00	120	ê .	2,44
98			9W	Notifed Departure dueto the issue of SDS Design programme	11-Sep-08	486						BSC										-
			144	Natified Departure due to the issue of SDS Design plogramme vos	11-Sep-88	-	#	7			1.4	ini										
-			-	MANUFACTURE OF THE PARTY OF THE	11-Sep-88	-	AL.	- ALI				881										
*				Notified Departure due to the issue of SDG Design p ogramme V35	11-Sep-88		*					**										
102			50	Section 6C- Gegar Church and Gogar Castre	27Augnts	-	70															
100			*	IFC DrawingChanges - A 8Underpass	03×Jun-	250	0.	*		)36		910)			689,454	140 011		829,465	0+	51,020	120,654	1,001,13
i		161	12	IFC Drawing Change Baird Brys RTW	15-Sep-08	laif.	147	-	100						732,956			732,956	Įnc i	54,239	128,267	915,46
÷.		in	166	IFC Drawing Change BalgreenRoad Retaining Wall	15-Sep-08	**	×	90	hei.						239 051			239,051	Inci	17,690	41,834	298,5
jin.			166	IFC Drawing Change Muray/ield Statium RTW	15-Sep-08	arr	W	×		504		ssc	4—		430,411			430,411	8,909	31,850	75,322	546,49
¥		201	14	FC Drawing Change BankheadRTW	15-Sep-0 <b>6</b>	èer	ų.	7	- Sp C			100			216,285			216,285	- 1	16,005	37,850	270,1
-		-	100	IFC Drawing Change Gyle Step RTW	15-Sep;08	*	#	7	web			in.			46,238			19,861	Incl	1,951	4,613	26,42
line.			14	IFC Drawing Change Murayfield Underpass	15-Sep-08			1	, mar.			ssc			107,525			107,525	Incl	7,957	<b>[8</b> ,817	13499
159.		100	*	IFC Drawing Change South Gyle Access Bridge	15-Sep-08	iets	- 14	1.	ling			300			379,890		4	379,890	Intil	28,112	66;481	474;48
11		- 141	*	IFC D awing Change Gogarburri Bridge	19-Sep-08	503	М	15	5371		-				366,144			366,144	Incl	27,095	64,075	457,31
77.		112		I+C Drawing Change Haymarket Vladuct	19-Sep-08	5 <b>0</b> 4	М		2847			1000 1000			77,000			77,000	Inci	5,698	13 475	96,1

	DESIGNA	MUNIMINE															- 44	MARCINE MPERAN	/IGM			
	-			Location / Description	-	-	Туре	of Change	Pr	incipleofChange St	atus	Marie	recents				Value of Estima	te Submission / Ch	ange Order (£GBP)			
meto	*		Selfen	Brief Description of Change	***	towns	Туре	Change Type	Agreed	Not Agreed	\$1.0mm	***	-	**	-	****	-	22	***	Serverbor Plante	-	te
113		168	76	IFC Drawing ChangeRussell Road Bridge	ı 9-Sері-08	**	#		m.			BSC			48,178			48,178	Incl	3,565	8 431	
144			14	RussellRoad Bridge TemporaryWorks - SoilNailing	19-Sep-08	ä	*	N			N				113,561			113,561	19,324	8,404	19,873	
396			**	IFC Drawing Change Reseburn Viaduct	19-Sep-08	Ref.	*	7.			7.9	300										
717		15	(8)	FC Drawing Change CarrickNowe Bridge	19-Sep-08	-	=	-	700						110,701			110,701		8)192	19,373	
4		4	H	IFC Disyrings Water of Letth Bildge	19-Sep- <b>B</b> B	5BW	9	4	5968						138,500			138,500	[nci	10,249	24,237	
MF.			;.M.	extra Demolition required at Russell Road Retaining wall.   Roseburn Street Units & Roseburn Garage,	18-Sep 0 <b>8</b>	褔	w	30	₩.			<b>B</b> SC										
149		-			an matter	201	-		3/15									1.00		- 4		
				IFC Brawing Charige Leith Walk Sup-Stetton	14 def00	671						-07					-					
120				provide an annual contract of the contract of		67%	-//-					BSE										
	All	ğ	SW	Urban Traffic Controls (UTC) associated with idelivery of the alignment	17-Sep;08	T135	M.	A.1	260			86			1 091,024	4,900,643		5 991,667	- 807	94,864	190,929	9
122				Delayin receiptofCEC prior approval Sections (A1 & (A2	31-J ul-08	AAA	ü.	4				BSC										
-			26	Forti Ports Agreement and Design Completion	16-Sep-08	796	*	21	=			SSC		47,185				47,185	4,719	3,492		
124	Ш		SW OFF	Pequirement for Principal Contractors License for Network Rail Related Wolfis	IB-Oct-88	659	4	-11		14		BSC			842,771			842,771	84,277	62,965	147 485	5
125		170	-30	Unforseen Graund Conditions at Haymarket Viaduct  Ravised sesign for all.E. poles in Section IB	19-Oct-08 02-Oct-08	597			-7968						75,514			75,514	Inci	5,586	13,215	
177			- 1	Spitt Paseges for Prior Approvals Ocean Terminal to Port of Leith	<b>03-0ct</b> <u>0</u> 8	-	-															
-				DEC requisition change to roads design at Edinburgh Park Station interchange	-	- 11																
128			-	Statum intervalse 2 and 1/01 c. Time for Prior Approvalse 1/01a, 1/01b and 1/01c.	06- <b>e</b> ct 08	12	- 64					300										
130				Delay to Issue of IHC Drawlings for ingliston Park and Rible Tram Stop	06-Oct-18	623	.01	11			11	888										
-				Delay to Section 18 direct MIJDF A not having completed its work.	<b>08-Øct</b> <u>08</u>	- 66	*					SSB										
132				WarMigharial Retocation (Psum) Section (O. Playard) Place e. Madifications to designs, additional bettern work outside LCID and additional works to develop from front of the Plank outse Sections (A) and (A2 - QEO's progress a direntments to trice build-outs additional of Const higher Silvert	18-0ct-08 08-0ct-08	-																
1111			14	Butter-outs adjecting 4 Costs in pion Silved  Bestign the piles foundations to the Water of Loth Bridge to avail the additing 500 x 1200mm ergs shaped combined sever	05-Aug-08	-	φ	2	7600			inc		27,316				27,316	2,732	2,021		
199		1	-9	Revised location of OLE poles in Section IA at the request of CEC	09-Oct-08	441	₩.	¥	.ne				tie	3,897				3,897	390	. 10	4	
140			-	Oelayto Issueof FD Drawings for Botto Leith Train Stop Bernal d Street Train Stop Footoft trie Walk Train Stop IAI Roads Street Lighting, Landscape and Dramage IAI Roads Street Lighting Landscape and Dramage IAI Roads Street Lighting Landscape and Dramage	09-Oct-08	647	141	10			10	BSC	(4)									
		N.	-	West End_transtop - revised requirements from CEC/Le	31-Oct-08	991	- 16	_	1220					14,17,1			-	17,171	1,417	1,049		

	GENERAL	LINFORMATION	N														FI	NANCIAL INFORMA	TION			
	-	771		Location / Description	Notifi	cation	Туре о	f Change	Pr	inciple of Change St with tie	atus	Actions/	Comments				Value of Estima	te Submission / Cha	nge Order (£GBP		,	
***	*	-	Sellen	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	*******	***	4	**	+	-	-		***	Severber Finite	-	te
			×	CEC's ritentto adoptorivate roads between Lochside Orescent and Lochside Avenue	13-Oct-08		М	83	295				(2 <b>%</b> );	34,123				34,123	3,412	2,525	5,972	
			5G	WorkStoJunction 204 tofacilitate adoptionity C⊞C	29-Sep-10	6853	М	70		20					85,161			85,161		€,302	14 903	
				Land draints encountered impositure area   Chy 10500 /710600	07-Nov-68	**																
			- 4	SHESS AND THE	10000	-						800										
-		132	5A	IFC Drawing Change Russell Road Retaining Wall 4	14-Oct-08	***	М	12	- 1						1,170,422			1,170,422	incl	86,611	204,824	
6b		161	5A	FC Drawing Change Russell Road Retaining Wall 3	14-Oct-08	633	М	ħ	5146				0		296,237			296,237	inci	21,922	51,841	
•			- 14	IFC Drawings ChangeMurrayfieldTrainingPitches Retaining Wall	14-Oct-D8	897	М	10		()(		BSC			363,522			363,522		26,901	63 616	
	1	-11		IFC DrawingChange Balgreen Road Underbridge(S22b)	16-Oct-08	697	М	1/	11			BSC			152,439			152,439	Incl	11,280	26,677	
			-14	Removal and deposition of material from previous works section er sketch	16- <b>©</b> ct-DB	100	М	111				BSC			78,806			78,806	1,053	5,832	13,791	
0			5A	IF C Drawing Changes S 21 RB6 court Street Visourt	31-Gct 48	22	7															
	*	i i	*	Excavate and replace wisting BO matefal within wisting ubility trenchos.	13-Oct-08	T216	ü	10	3263	.,,					992			992	Incl	73		
			skritt.	IFG Drawing changes Vertical and harizontal Alignment Section 5 Sheets I to 26	16-Oct-08	700	М	11.		1.1-		WSC		7	31,901			31,901	Incl	2,361	5,583	
_			- 4	IFC Drawing changes SoftLandscaping Section 5 sheets 1 to 26	16-Oct-08	701	М	+		77					244,171			244,171	21,132	1 2 069	42,730	
_			30-177	IFC Drawing changes @LESection5 sheets 1 to 13	16-Oct-08	300	М	911		000		BSC			136,172			136,172	- 00	10,077	23,830	
_		199	- 75	IFC Drawing changes Gogarburn RTWs 14A, 15A, 15B, 15C	16-0ct-08	30	М	-7.1	3070			BSC			908,051			908,051	ncl	67,196	158,909	
		-146	7.A	IFC Drawing changes GogarburnRTWs 14B & 15D IFG Drawing changes Tramstogs Balgreen Edinburgh Park	16-Oct-08	783	М	+ 1	5370	1					9,979		5	9,979	Incl	738	1,7,46	
*			34	Sau Inton and SouthGyle	16-Oct-08	784	М	+		1					37,619			37,619	1,109	2,784	€,583	_
		-	7.6	SurveyofExisting Drainage (Gogar Eandfill)  Pro / ReliefFacilities at Haymarket	10-@ct-08	T218	М		<b>₄</b> 1017						3,225			3,225	Incl	.000	564	
d.	-18	AM	-	Stat on Viaduct.	10- Oct-08	T221	D	- 40	6264			_	_	-	109,713	_		109 713	10.471	8,119	19,200	
	-0	. **	sw	ProvisionalSum - Relocation of Ancient Monuments	1.1-@ct-08	661	D	y.,	-				]		(59.700)			(53,700)				
93		91	SW	Provisional Sum - Relocation of Ahcient Moriuments	10- <b>0</b> c1-08	466	D	+10	3211						3,718			3,718	(nc t	196		
			5≅	IFC Drawing changes - Edinburgh Park Bridge	16- <b>e</b> ct-08	910	М	-1				BSC			226,315	3,395		229,710	Incl	16,7/37	39,605	1
			5W	Traffic Management- Temporary Traffic Signals	10-Øct 08	পহা9												(E 1)			d.	
2	-		sw	Bus Tracker, TPDS and Radio	10-Oct-08	T225	1	9.7	.00	111		BSC				1,410,000		1,410,000				
t	1.78		2A	HaymarketTaxi Stance	24-Sep-08	111	5.40	1000	(IN)	1	1.		100	22,330				22,330	2,233	1,652		
			30W DN	De ayadListed Building ConsentApplications	29÷Jul-#8	340	М	4-1				388						-	- 1		4	
			tA	Delayed issued of HESTor Section 1A4	17-GCE08	707	М	-11			- 17.	BBE										
ŧ.	79		1A	Over still of the Physical and the latest and particularly.	phile	700	100	tic	4017	1	4		15	4 4	14,500			14,500	<u>n</u> 450	1,073	2,538	
0		-	5A	Approximation some full interest Command Stating of	TA DATE:	140		4	4017						141.631			141 631	14,163	10,481	24 786	

	GENERA	AL INFORMATIO	N				-1	W									FII	NANCIAL INFORMA	TION			
	-		12	Location / D escription	Notifi	cation	Туре о	f Change	Pr	incipleof Change St with tie	atus	Actions/	Comments				Value of Estimat	te Submission / Cha	ange Order (£GBP	)		
***	*	-	Sutten	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	***	**		*	-	-	4	-	***	Servetter Finite	one-halos	ten
167tı	100		5A	Further • Buildingst Microse IIId Further hange • Building at	28-Jul-10	T 5614	1	+ -	5614			BSC	1		9,470			9,470	947	11 101	1,657	
N/A	13	12.100	- 11	Further hange e Building at Murray/feld	08-Sep-10	6623	1	+-	6366						1,630			1,530	1,53	- 111	268	
166		- +-	1.6	Demolition of existing trullding at 33 OceanDrive	28-Oct 86	3.00		- 17	4017						5,000			5,000	500	119	875	
40		47		Relocation of Police Box Coffee Bar - Picardy Place	20-Oct-08	718	- 1	7	401-7						7,869			7,869	787	- 611	1,377	
170	32		10	Demolition and alteration of existing building at Cathedral Lare	20-OCt- 08	719									2,244			2,24.4	mei	166		
di.		- 11	-	Dontract with Faber Ma Insell for Transyl and Linsig Modelling Assessments	15-Oct-08	T 227	-1	1	19/48						48,043			48,043	4,804	3 5 5 5	8,408	
175	-				08-Sett-08		200	-	245					36 494				36494	3649			
-	-			Traffic Modelling - Pedestrian Crossing Timings Stanward	08-Sen-08		- 1		245					36,494				36494	3649	2,701		
178		. 10	- 14	Discovery of underground petrol tank at National CarRental Site	22-Oct-DB	.144	. 1	1	4017						4,100			4,100	410	303	710	
	-		-	Discovery of new BT ducts under kerb line in Section 1B	22-Oct-DB	111	10	-								_						
17.5	1		/SW/	SDS.Provisional Sums - Extended Construction Support and Design Support Team	22=Oct-08	743																
179.	1.00		5C	CV's - Construct Terriporary Ramps (2 no.) at Gogar Church Road	17-Oct-08	T231	4-1	4.0	4017					T T	6,185		-	6,185	Incl	458	1,082	1
				Construct Car Fark Harbout Trackwork Storage Area		-								-								
116			SW	Previsional Sums Mandater) tie Shange Defined no s 12 & 13	29. <b>ac</b> t E8	-		17														
			G.	Underined nois 2, 7, 8 & 9 No linetruction issued #V tie attriquerdate														10				
19	1 m	- 16	5A	Gatehouse Works to Murrayfield Stadium	16-Oct08	T246	136	4.5	19/45					122,227	0			122,227	12,223	9,045		
Title .		- 84	5,A	Further changes to Murrayfield Gatehouse works"	27-Apr-10	55.73	- 44.		2004			dec		. 1				- 4			-	
90			5A	Reduced land available at Murraylield asia result of Triffd Party	30-@ct-()8	-	7.4											0.00				
W	_		-	Andeemed With SRU  GEO's requirement for digital closure at Rosebum Terrate requires that the Infracoinstally a filey controlled junctionat eburn GrayA Vasificity (Et as firead								amo							71.0	10,060		
			177	eburn Street National Rivers 1 1 Road	26-Crct-48	<del>9</del> 55	0					856			196 941			) 9 <b>5</b> 941	1,59	10,040	23,790	
40			Gi.	Edinburgh Airport Tramstop Klosk	29-Oct-08	381	М	10	1150					11,222				11,222	1,122			
-	1			Lumburght Homotop Most	25 001 00			-	1100										1,122			
			16.	Litth Walk temptorally white litting	#2-N#V-03	40					100											
	+	-	-	Discovery of void around existing a Duct - Chainage 360 RHS	38 Nov 09	-	M		4817						143			143	14		25	
180		100	*		18-Dec-08	9,01	in .	1							190			750			-	
			-	dEC's raquirement to amend the specification for temporary bus	-	- 0												(V = 1)				
				and the state of t																		
		-		Additional excavated material at Depot	08-Nov-08	100	M	10	4017						1.345 600			1.345. <b>6</b> 0n	Incl	99.574	235.480	1
			27.7		00 1101 00	-	-	177										.,,				
+				Additional excavated material atBepot. Investigate options to	Name of Street	- 44																
			-	reuseadrift/enal material Contaminated Material atCarritk/howe	04-Nov-08	-	M	-					-		11600			11,600	Incl	200	2,030	
			-		84-Nov-8	20	M				1				11,600			11,600	incl	- 100	2,030	
**			*	Discoveryof Low Voltage Cable in Road Formation	-		-	_					-				_					
				Discovery of Gas Main- Chainage 353RHS  Discovery of concreteen cased   gnting cable- Chainage 339	(Errech-	- 10		7		(4					-							
Hi:		100	- 3	RHS	13-Nov-08 17-Nov-08	86	M		2712						100			36			- 1	
		- 44	-	Discovery of Cable & Wirelessducts - Chainage 108  Discovery of Hydrant in kerbline - Chainage 383RHS	17-Nov-08	99	M M		4017									-	Incl	-		
_			- 8		13-Nnv+08			-	401/						-			241			-	
-				DiscoveryatDuct Crossings- Châinage 268RHS	-	411		- 1		7.4					-							
10		-10	18	The comparison processes in the graph of the con- parison has already and transpose one. The cop- on and their	15.84/90	910	М	+-	4017						400			19		-	110	
		·III	10	Life way tried work in part in cart into the Lively of Cartains	meson in	MIT.	110	7 /-	5054					jnj	100			1,000	-	100		-
		-																				
			-	Cycle path new Yorkster (Fig. Or storing of Oweks can be capitalized, respected by CDC cases in	Manager	454	10	9.1	457				14	9,966				9,966	997	737	5	
Mr.			1.5	THE LONG OF CROSSING	4000	- 50		0.0	457					9,966				3,960	997	131	0	
			50	Gggaf Roundsbout Lighting Full re-tighting required by CEC — a portion of the Works is plied detrie Limits of Deviation	10: NAV-08																	

	GENERA	L INFORMATIO	N														FI	NANCIAL INFORMA	TION			
	-			Location/Description	***	name .	Туре	of Change	Pr	rinciple of Change St with tie	atus	Actions/	Comments				Value of Estima	te Submission / Ch	ange Order (£GBP	)		
***	*	+	Sulfan	Brief Description of Change	**	partie.	Туре	Change Type	Agreed	Not Agreed	Notice and	**		*	+	****	*		***	C:onsortium Prellms	-	tee
100		233	-	FC Orawing changes - Bagreen bridge S22a	motions	***	*	11				<b>B</b> S¢			(16#,537)			(158,537)	E en	f:11,732]	(27344)	(188
200 2u1		192	9B	FC Drawing changes - Saughton Bridge  FC Drawingchanges - Depot Access Bridge	Deviacing.	-	W	X	2%						¶ 456 509			1,456,509	-	107,782	254,883	1,61
282			- N	IFG Drawing changes - Glogarburn Culverts 1 2 an €8	Shedi	941	*		2017						10 709			10,709	Tret	198	1,873	
**			8	IFC Drawing changes - Gogerburn Depot	Section	850	7	¥.			21											
203a		F 19	9.	Plumbers.	07-May 89	2567	W		1770						38,256			38,256	1.00	2,831	- 75	-
200A			1	BDDI BDDI to IFC I weduction of Air Conditioning to Meeting and	(0.004)	1100 6 (m)	- 10				124				5.553			5.553			40	
203AC 03AD 28			1.0	to BatteryRoom Charige	1900	790	TI.								1 306			1 306		- 1	314	
UJAD 28			-	BDDI to IFC Additional Disast Tollet Alarm GF Room 25	20-1-10-15	1100	- to	1.							34,979			34,979	- 2	- 0		
make.			-	BDDIto His Additional ruler Shutter Door Supplies and Fire	- Northead	1504	-	9.1			1				3,657			3,657	366		<b>6</b> 40	
Side				IFC Issueof Drawin is for Internal Staircase Chan le	20-Oct-10 20-Oct-10	7160 7162	- H								25,719			55,776		3.10	379	
200			-	Chahmeto De ot Service Yard	9-907	7159 7159	- 1	-							9675			1125	- 401	- 12	-104	
1014				BDDI to IFC External Traction, Power and Communications Ducting Change	Ill. Sect.()	2000	10.	1.7										- 155			V 1755	
203AU 203AN				BDDItoIFC Chan	12 No. 17 14 Cm / 1	3236 960	- 10	-							50			1.05	1987	18	36 <b>0</b> 16941	
2000				BDDI toIFC Depot C Trackform Change Structural Stepwork	07-May-09	200	- #-	-	1770						216,471			216,471	- 40	16,019	37,888	
208t			-	HardLanoscaping	page 1	***		-			-	101			155,140			155,140	2,948	11,480	27,149	
2 <u>9</u> 3(d			1.0	ក្តប់នៃtettin និបមិថាព្	01-4-06/89	2618																
					144																	
tete:			1.6	Soll Nailing and Soll ReinforcementWorks	22-May 09	200	44.			1		Auc			342,909			342,909	39,495	25,375	60,009	
203g		-10	780	SeconilarySteelwork	30-Jul-09	2204	- 14	-	- 891						1,\$96			1,886	- 40		390	
(0.00)			- 1	D alnage-BDDIto IFC Charge	16.0 m/dr	644	M.	1	40.0			300			(9,918)			(808,6)	inc	(733)	(1.734)	
208h2				Dranage - BDDItoIF.C Cliange	16-Oct-09	200	10	-	AFP 35			BSC			111,153			111,153	5,676	8,325	19,452	_
200		111	-	BDDI to IFC changes to depot access read	22-Oct-09	2001			-160						62,990			62,990	400	4 661	11,023	_
(884)				Pilingto OLE poles - IFC Drawings	NONE	4184	- #	A .		100		BSC			311,120			311,120	2,040	23,023	54,446	
-			4	increase on number of ●LE bases -BDDItoI+C	194.6473	****	16	A.C.		70.		900			55;440			55;440	inc	4,103	9,702	
1001				IFC Issue d awings for reinforcementto pit walls	12-Feb-10	émi		6.5			- 1	BSC			<b>#5,684</b>			45,684		3,381	7,995	
203 2				FD issue drawings for edge beam leinforcement changes	Hitteria.	_	0.45							1								
20813				IFC Issue d'ewings for introduction of waterproof concrete	12-Feb-10	987	Н.	7.1				BSC			59,109			59,109	2,249	4,374		
This .			1.6	IEC issue drawingsfor installation of incominggas main	687m-30	991	4.	4.		C1		861			73,166			73,16%	6,089	5,414		
203ři				IFO to IFO drainagechanges- attenuationtank	22-Mar-10	1700	10	7		1		BSC			68,950			68,950	400	5,102		
203р		140	18	IFC issue drawings for alteration to Scot. Is h Water valves- MUDHA works	21-Jan-10	***	*	( Y	-	1					3,978			3,978	398	294	200	
203q				IFG Issue drawingsfor earthing and bonding	5400	4181	*	-10		11		,80C	- 2-		58,457			58,457	5,846	4,326	10,230	
20342		-		Supply and installation of lightning protection toroof all as per attached CVI	22-Jan-10	++=	. 4								48,241			48,241	4,824	3,570	8,442	1
203g3			. 6	Lightning protectionsystem and Earthing & Bonding	23 (av 5)	100	161	0		114					18,339			18,339	1,334	100	2,334	
**				FC isste provings for additional come trays for the Traction Powersal is	3 <b>7</b> -Jan-1))	4,330	141															
20	1		- 4	IFG drawing Change - revised specification for Kaba Doors	MP6/C	400	- 46-	- 1							1 18,051			1 18,051	11,305	8,366	19,784	
203t				IFC drawing Changeto the sulf-stations lab	18-Feb-1 D	4785	H:	Y 1.		17			. 20		11,892			11,892	1,504	- 100	2,081	_
79%			. 4	IFG Issue drawings forSm skeVents	05-Mar-10	440	M	7 -		11		890	7-1		14,103			14,103	1,410	1,044		
203∨			7	BDDI to IFC Changes to Fire Rating Timber Boors  IFC drawing Change to Drainage (#Vision6 - IFCtoIFC	10/10/20	4704	M.		176		1.1	∎SC.			123,263			123,263	100	9,121	21,571	
Dile			- 1	FC drawing change to blockwork reinforcement	(0.00-12)		- 10						_		100,809			100,809	10,031	7,460		_

	GENERAL	INFORMATION															FI	NANCIAL INFORMA	TION			
	-			Location / Description	Notifi	cation	Туре о	f Change	Pi	incipleofChange St with tie	atus	Actions/	Comments				Value of Estima	te Submission / Cha	nge Order (£GBP	)		
n+o	**	-	Selfen	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	No Decision	BSC	-	SDS	BBUK	Siemens	CAF	Subtota	OH & P	Servetter Parise	-	tune
203x		3	S 14 5	Wind post changes - BDDIto IFC	18-Mar-10	5111	М	77		7		BSC			18,759			18,759	Incl	1,388	3,283	
200				Chengeto structural steelsuppor tosliding screens in offices	09-Apr-10	5309	М	100		1 7 N E	13	<b>B</b> SC	17		5,564		-	5,564	(hts	(984	311	
300			**	IFC Drawing changes- Roads , Streetlighting , Drainage Section 5B	36-Nnv-08	1000	М	- 301		-27		<b>≜</b> SC			305,670			305,670	1,180	22,707	53,699	3
(84)			-	IFC Drawing changes - Reads , Streetlightning , Drainage Section5C	061-N3V-DB	401	М	-0.	6674		_	BSC			435,015			435,015	2,123	32,348	76;499	
206			68	IHC prawing changes - Pankieod Tramstop	Ge-hwy-dit	- 10											_					
=	+		199	Spot.lsfi.Gas Networks- T(tal Investigations to protect gas main at Curvert no. 2	38-Oct-08	T233		11	4017						13,182			13,162	2 544	941	712	
ж					04-Na\<08	T299 A			655 1 T			BSC			185 350			185 350	18 535		32 436	_
200			. *	Ft Tram Steps	06-Dec-08	054	М	7.0		1.0	- 1	BSC	15		9,762			9,762	503	722	1,708	_
T PA			٠	FC Drawing changes - Road ,Street Lighting,Landscaping and Drainage Section 19	06-Dec-08	-	М	27		127			tie		1,298,960			1,298,960	Incl	96,123	227,318	1
210b	=		18	Section IB - IFC drawin chan es - Draina e	06-Nov-08 14-Dec '0	7690	M	100							82 77 1 29 388			82 77 1 29 388	Iricl	6 125 2 175	14 485 5 143	
210d			- 1	Section 1B - IFC drawin chan es - Street III hting/Ductin Section 1B - IFC drawin chan es - Road Restraint	18-Dec-10	7672	M								376			376	_	2175	5 143	
101		_	1.00	1FC Drawingchanges - HaymarketTram Stop	06-Dec-08	100	М	4.5		214					48,530			48,530	4 853	3,591	8 498	
**			*	FC Drawingchanges - Roadsand Street Lighting, Landscaping and DrainageSection2A	06-Dec-08	with	М	- 1		37		BSC			215,149			215,149	494	15,958	37,738	
-			- 14	IFG Drawingchanges - HaymarketStation Sutistation Alliew Dus traffic Me continue to you westcound along Princess	06-Nev-D8	819	М			- 11			- 1		12.687			12,687	Incl	939	2,220	
		_		Street during construction of tram track  Demolitionand alteration of existing Bus Depotat Leith Walk	13-Nov-08	7340	М		428			BSC			186,567			186,567	18,657	13,806	32,649	
of er		- 01		Discovery of alkathene water pipe above formation i level-	13-NoV-08	414	М	9	4017						459			459	46	34	- 80	
WE.			+	Chainage 266 RHS  Discovery of Thus ducts above firmation level and fouling kertuline - Chainage 250 RHS	risted	84	- #	+1	- 6		-		-			-						
it is		18 1		Discoveryof 2 No L.V. and 4 No L.V. cables above/ormation level - Chanage 182 RHS	10.000	.03		1	-817				1		-24			- 24	-			
11	-81			Discovery of Hydrant above formation level - Chainage 177 RHS	1110-04	111	16	-		11		500										11
_		-		Discovery of Water connection pipework above formation level- Chainage 161 RHS	13-Na\406	414	М	-	4017						68			68	7	5	12	
_			_	Discovery of MUDFA excalablens containing watermain and connections fouring the new kero line - Chainage 12 oRH																		
		*		Discovery of valves and a hydrantfouling the new kerbline - Chainage 120RHS	101-Nav-08	.40.	М	X.	1618			BSC			Ter			400		- 4		
_		- 1		Eliscoveryof stone culvert Chaina le 100 RHS	Timese	791			-81									-	_	- 1	- 10	
			17	Discovery of Scottlan Power cables - Chanage 90 RHS	17 Nev-00	922																
-				Resairs requiresto Chainaga 170RHS	17=NaV=08	**	М	٨	4017						264			264	lnc.[		-	
9 <u>2</u> 5			6	Operational Design Réview of Depot- changes Missing	95-Nav48B	9169	D					pec		26,415				26,415	2,641	1 955		
2007			2K	Operational Design Review of Haymarket - changes arising	House.	7884	10.00	7 -			-1-	940										
216			10	Relocation of tus stop outwith LODat Princes Mall	01-D ec-08	1044	М	11	4136				. +	380	1,381			1,761	38	130		
-		-	18	IFG Drawing Changes TowerBridge Structure	11-Dec-08	1132	М	9	5727						(208,946)			(288 946)	incl	(15,462)	(36,566)	
int .			1C	IFG Drawing Changes - Section I C drainage	12-Dec-08	+100	#	-1.		216		int										
320			1C	Changesto Roads Design Section IC (exc Picar#y& York #1& Princes Street)	12-Dec-08	1144	М	100		286					1 5 18,57-7			1 5 18,57-7	Incl	112,375	265,751	
132 <b>b</b>			1C	Changes Kerns &footways design Section 1C (exc Picardy & York PT& Princes Street)	12-Dec-08	1144	М	9.0			9.5				1,124,670			1,124,670	Incl	83 226	196,817	
2.42c			10	Section 16 (Princes St) highway surfacing as executed dilling PSSA works	10 Dec 00	1144	М	200					1		652,680			652,680		48,298	114,219	

	HHIMA	- HPURIMITER	i														344	BOOK BUTCHAN	nos			
				Location / Description	+	netter)	Typeo	fChange	Pr	incipleofChange St	atus	adam)	recounts				Value of Estimat	te Submission / Ch	ange Order (£GBP	)		
***	*	-	Surface	Brief Description of Change	***	tatesta	Туре	Change Type	Agreed	Not Agreed	*******	***	4	**	Marin	-	-	-	***	Seventier Pariso	-	te
**				IFC drawings and specification forwork in Chainages 100000 to 100600- Section IA4	16-Ap - 10	1000	*	100	(1)			990			1,259,530			1,259,530	Incl	93,205	220,418	1
in .			- 64	LindsayRoad Lowering - Utilities	NON-H	3.4									11,514			11,514		852	2,015	
**			38	Artisol 2s, Guerra Charles (1) do . 2019; 11 pure	HOWSE	1111	*		.010			■SC			58,016			58,016	Incl	4,293	10,153	
-				Unimizer skulpy had becoming at terrestabilities and an interestabilities and an interestabilities are selected as the selected at the selected and the selected as the select	16-Dec-08	***	*	×	4817						3,980			3,980,		jes (	<b>4</b> 97	
W.		.00	- 12	Carryout Scottish Water Diversion at Gogar Roundabout	18-Dec-08	1000		- 83	.000			100			61,746		i i	61,746	6,175	4,569	10,806	
m				Chicago in larger many demandrative and the	mint.	366		-+			- 1											
		-140	*	Carry outScotish Power Diversion at Sogar Roundabout	1610-06	360	4	8	3263						52,691			52,691	4,352	3,899	9,221	
4		*	34	Institutions arising from Trackform DevelopmentWorkshop	Hilland	T548	00	*	-					316,063				316,063	31,606	23,389		
1			-	RBS Tramstrip- Provide an Estimate for diversion of LV Power and Water supplies crossing their am track	17-Dec-08	1994	in :	- 83	inte			èni		9,775	4,706			14,481	41	1,972	234	
-		*	94	Nacionado Dede, Lempios foracing (Administration) Copiede y Socied Codista (NaCional de America)	18-Dec-08	1941	iii c	*:	81					317,326	;			317,326	31,733	23,482		
2		H	- 1	The product of the later of the state of the	18-Dec-09	796	- 14	- 10	467						774388			⊻77.308	hct	5721	13 529	
Ŧ	- 10	100	196	THE RESERVE AND THE STATE OF TH	2000	1886	18.	- 4 -	1086					100	662			1,042	-	- 11		
1		-#	99108	Princes treef Certs: uction Wigner - closure to traff ु पुँँ। तबु construction works	Strapper.	2010	1	9	-801					U.	5,576			5,576	- 44		. 78	
5			SW	EAL Tramstop- BAA Interface  OLE Design changes in the area between Haymarket and	19-Jen-D9	107	-		164					5,432				5;432	543	411		
				Newhoven  AirpoitTramstop Canopytie in options	39,34180	101		100	100			int		42,574		30,217		72,791	4,257	3 15 0		
,			94	Wider Area Modelling Proposals	7580	NO	10	- 81		7.4		600		3,500				3,500		. 344		
•		*	- 1	WestPillen Tram stop	2019/20	900	n	-1	WI					-			1	*	73	54		
1		1111	- 1	Change to demarcation requirements  Revised proposals for Catherral Larle Sub-station	28-Jan-09 27-Jan-09	1421	- 4		165			-		1,585		5 3 2 3		6,908	158	711		
		- 135	196	or Hirat Scotral Haymaniet Elepot - Retaining Wall Wa	28-Jan-09i	1/1/	- 10	-1:	10.60						18,001			18,001	1,800	1,332	3,150	
4		209	- 10	Edinburgh Park Bridge (\$27) - Pier 3 Base Formation	28-Jan=09	0.0	tot.	1.0	74.			990			7,914			7,914	4	589	1,385	
			5/ SV	Russel Road Retaining Wall 4 - Options Regard- Notified Departure due to the Issue of SDS Design programme	38-Jar-R9 02-Feb:89	1445	-						-									
			D)	Forth Ports Traffic Signal - Section 1A4 - Widened Grossing required	DS-Feb-09	pair	30	- 1	1810			911		7,778				7,778	. 19	. 194	(i	
i i	++	1ġ	SW	Deviation RoadRail vehiclepayload	ilire-in	1831	-,6,		1981			1.0		1						140		
ý.		HARMAN .	- 4	Syclewaychange at Hawthomevale – Section 1A4	throat.	2827	烛	9.1	April -			997		4,694	.905			5,799	40	458		
				CAF : Air Supply	10-Feb-10	CAFB189 CAFB1 10								_								
		110	.0	Auditional Ramg / Steps at Lindsay Road Retaining Wall - Section 1A4	05-Feb-09	1518	.77	7.	HT.			.000			1,863			2,243	-	100		
			- 34	Gogar Gastle Roadtreelelling	08-Feb-09	1520	М	- 0	4017					1	990		V/	990		19	- 114	
M		38	7/4	Reinstate access ram p at Gogar Depot	9-Feb-D9	1521	М	1	4017					7,845				7,8145	Incl	591	1,373	
95		-	-16	Carry outworks to protect existing SGN gas main at Eulivert 2	09-Feb-09	1552	М		4017						13,182			13,182	inci	94 (	2,307	
+		-	*	Formation Level of Gogarium Bridge West Abutin ent	11-Feb-09	1555 £1556	M	11	4017 40,(7						10,761			10,761	ine	- 14	1,883	
		- "	100	Formation Level of Gogarburn Bridge East Abutment  Revised access arrangements to Depot		ವರಾಶ	29		40,57						6,7;78			<b>3718</b>	Inc		1,186	
9,7																						
9.7 9.9					Withdrawn 18-Feb-B9	_	M		_													

	GENERA	L INFORMATIO	N					W	5		10						FI	NANCIAL INFORMA	TION			
	-		0	Location / Description	Notifi	ication	Туре о	f Change	Pr	inciple of Change St with tie	atus	Actions/	Comments				Value of Estima	e Submission / Cha	ange Order (£GBP	)		
***	*	-	Sellen	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	*******	***	-	**	-	****	-		***	Several Parket	-	to
333			6	investigate stability of and reinstate existing batters north or Go larDe ot	25:Feb-09	1739	•										1					
		14	- H-	Access at New Ingliston	26-Fets- 9	1747	D	0.0	2091						4,483			4,463	-19	- 111	785	
		221	5C	IFC Drawing Changes - Track Drainage	27-Jul-09	1758	М	× .	5051			esc			269,728			269,728	nei	19,960	47 202	
e e				Extension to Site Office (ortie)SDS personnel	02-J un-09	T1573	7	¥	1573						150,000			150,000	Incl	Incl	incl	
				Testingto cantagewayafLeithWalk	03-Mar 09	1773	М		2286						11 455			11 455	1,145	848	2,005	
		- #	18	Remove ornamental Iron balls from Greathill Deg t	08+Fe <b>4</b> :09	1774	M	815	1562	-		BSC	-		- 41	- Pa		45		- 10	72	
_				rrom Existing se vice	#3 Feb-09	17.75												-				
41			1G	(cable)  Princes Struct - Reinforced Concrete siab adeve Track Box	03-Feb-09 02-Mar 09	1776	M		4017			BSC						-	_		/3	
	-	-100	SW @FF	Transferor private utility diversions from MUDFA at Edinburgh	27-Feb-09	T798	10		-			BSC	-		2,101			2,101		166		-
		-		PGrit.								mac .	tie		2,101					133		
7				StreetLighting - Heightofpoles	16-Ma 09	(942	D	7.0	6248				u.	1,745				1,745	175	129		
44			- G	Evsposal of surplus excavated material at Depot	17-Mar-09	1622																
				MUDFA use of Hippo Wheel Wash	11-Mar 99	1674																
-			*	Edinburgh Park Bridge Structural Fill	I I-Ma -09	1864	М	-		4		BSC			65,290			65,290	€,311	14,526		
			18	Traffic Flow and re-modeling abbothlan Reacily unition	11-Mar 69	1855	100						Q - 2					2				
-			- ' t	Additional Signs on Queen Street	Heart	100	16			2.4		300			-			- 36	- 2	- 0		
er -	<b>1</b>		SWON	Traffic Management contingency for Emergency Utility Works	11-Mar-09	161	90	A.V	1666	1			1	1	- 04		1	300	- 10		100	
		- 11	7A	Protected Speciles mitigation measures	l I-Mar 09	1875	D	1.0	1592		- 3				6,883		3 6	6,883	<b>6</b> 66	509	1 204	
51			SW ON	Reversal of One WaySystem on Rosel Street	11-Mar-09	1868																
III.		5.86	SWØN	Off-peak Taxl Renkat George Street	12-Mar-89	1908	+	4.0	1619						1,641			1,641	164			
10	J.		pre-pe	Additional Measuresat George Street	11-Mar-09	1869	D	- 9 -			4		-		3,570			3,570	(80)	264	40	
ni i			99/04	Provide Corexsigns and doubleyellow lines on George Street	11-Mar-09	1870		1		(1)		BSC			2,270			2,270	- 29		397	
4			39.08	Additional Signage at George Street'StAndrews Square	11-Mar-09	1.871	D	1:				RSC			2,190			2,190	416	762	360	_
No.	-	_	BALDS.	Replace MASS harriers at George Street, HarnverStreet and Fredenck Street	11-Mar-09	1872		11.		-1			30		1,728			1,728	173	29	100	
-			50.04	Trial Holes In Princes Street	11-Mar-09	1.876	М	- 2.	1212			BSC			174,270			174,270	17,427	12,896	30 497	
_			16	Incomplete MUEFA Works at the Princes StreetMound Junction	17Mar-89	1955	М					BSC										
	-	100		Haymattet Junction: Underground Chamber at Cifron Tetrace	17-Mar 09	1958	М		<b>0</b> 572			BSC		40.0	68,819		-	68,819	6,882	5,093	12,0#3	
		304	-	Alteration of Designat Forth Ports Road 8 Scottls (i) Power Utility @ version near Militraylle d Station	16-Apr-09 24-Mar 09	t1280 t1052	-	- 4	1629					10,19 4	6.957	177	-	10,164 6 957	1,016 Incl	752	1,218	-
60	-	10	-	Edinburgh Park Bridge-Narth and South Approach Ramps	14-Apr-09	2264	M	-	/s08				-	-	148,118		_	148 118	Incl	10,861	25,921	
			Serie .	additionalearttworks  Traffic Management—Provide Wider Area Signage to Princes	27-Mar-09	2118	D		27,00	714		■SC	-		E1820			E1,820	862		1,544	
		- 20	200	New Manhole (MH1) at Balgirnie Place	31-Mar-09	2142	M	- 0	4017	100					1 395			1,395		- 10		
£5			SW	WiderAreaFiv P & R S Line v and Prodon Is	08-A0-09	2214																
H :		-	7A	Gogar∎um BridgeEastAbutment- ●xcess groundwater	01-May-09	2496	М	111		7.4 - 2		<b>B</b> SC			2,864			2,8€4	28	. 114	311	
67	63	134a	2A	Haymarket Station Network Rall Access Doorway  Demolish all Structures on Plots no.s 97 and 102 near Reseturn	22 Ap -09	2360		1.5	4361						2,087			2,087	- 58	154	365	
<b>2</b> 3	-6		5A	Street	27-Mar 09	T1088	1	7	1000		7.				6,329			6,329	60	0.710	1,107	
86		126	5A 50	Partial Demolition of Plot97  Temporaryworks solution to maintain Thus and C & W services	23:Aug-10 14-Apr-09	4637 9267	М	- 11			- 1		tie		50,240 16,273			50,240 16,273	4,468	3,718 1,204	8,792 2,848	
1		113	5E	Temporaryworks solutio_th maintain Thus and G.E.W. sendees an ild asma-fle water main at RBUndetpass Existing Ground levels at Edinturgh Park Bridge	14-Apr-09	2268	М	9)	3(347 2910						16,273 49,521			16,273 49,521	inci	1,204 3,6 <b>6</b> 5	2,848 8,666	
it-	-46	75	50	Spring of tell (Colling Grammer, Springer). Desired	D9-AFr D9	T 1206	-4	- 1	1660						1,357			1,357	Incl	100	238	
	44		ŞA	TOTAL SECTION SERVICES	09-Apr 09	T1207																
	45,77	14	7.A	Toronto 19 (4) Fig. Discontinuity States (5) States	09-Apr 09	T1208		-	1661						3,961			3 961	Incl	293	693	

	GENERAL	L INFORMATIO	N					1	1								FI	INANCIAL INFORMAT	rion			
	-		1	Location / Description	Notifi	cation	Туре о	of Change	Pi	incipleofChange St with tie	atus	Actions/	Comments				Value of Estima	ite Submission / Cha	nge Order (£GBP	)		
**	**	+	Sellen	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	*******	***	-	***	+	-	-		***	Serenter Failer	-	te
743			7 <sub>.K</sub>	Gogar Landhii Area—'Additional site investigation and testing to landhii erea	24-Apr;09	2391	61								1			77			9	
100			166	Gogar Landfill Area - Sutcharging and monitoring of surcharge	26-Fe <b>l</b> r-10	4818	М	1	(1)			SSC			364,815			364,815	2,349	26,996	63,843	
4:			- W - 5	GogarLandfill Area - Soil Nailingand Reinforced Earth	26-Fe <b>t</b> -1.0	4838	М	X.	40	174		SSC	1200.00		403,859			403,859	19 615	29,886	70,675	
-			- 14	GogarLandfill&rea-Trackform Change	10-May-til	#054052	М	1:0					. 00		(52,736)	101 509		48;773		(3.902)	(9,229)	H
			(m)+	Revised OLE roundation and lavoutto Section1	28-Apr-09	2436	D	8				BSC	31	62,629	- 4	4		62,629	6,263	4,635		
			SW®N	Changes to OLE bases Section AI, B. C. & D. RedesignorOLE poles foundations due tolocreased loadings-	14-Dec-10	7687	D								485,973			485,973		35,962	85,045	
16			SW	Line 2	28-Ap -09	2487	- 11	-		-	174	BSC	tie	115,526		_		115,526	11,553	8,549		-
-			SW	Amend CLE system design documents	28-Apr-09	2438	•	7.7	1697			SSC		€,511				6,511	401	983	22.0	
t			200	Amend site wide ●LE Building fixing load® and layout drawings	28-Apr 09	2441	D	41	16 <del>8</del> 7					5,880				5,880	588	- 000	4	
i i			.34	Corrbined ●LE/Pale/Lighting poles	28-Apr-09	2442	D	Y.	1697			ssc	(9)	46,882				46,882	4,688	3,469		Т
			-	Amend OHLEfxingsatDepotAccessBridge	28-Ap -09	2439	D	-		774		BSC		20.028				20.028	2,003	1,482		
			SWIDE	Section 10/1D - Charlotte Square West End-On Parking	24-Apr-09	2382	D								2,190			2,190	219		- 100	
			19	Section 10 – Bus Gate at Shandwick Place	24-Apr-09	2392	- 11	- 0		- 07			tie		2,198			2,190	219	186		
			3854	n 10/10 - Princes Street Rhin Barner Section 10/10 - Saturn Studs at George Street and Frederick	4-Anr 89	- 200	- 12							-								
		-	99176	Street Section IC/1D – Additional MASS barriers on Great Stiart	24-Apr-09 24-Apr-09	200	W	111		-7			-		-		-	-				
		- 11	SW @N	Street Section 1C/ID – Additional Traffic Management at Princes	24-Apr-09	200	0.		1990			860						-	-		- 1	
			10	Street Section (C:-Bus Stanii at-St-Andrews Square	24-Apr 09	2368																
9	à-		1C	VSection 1C - VMS 6iges an Princes Street ContingencyRoute	24-Apr-09	2389												9				
-				Second 1g/10 - Production Princes Street Fluersion	24-Apr-E9	2390	D	7		714					2,713			2,713	271		40	
		- 0-	- 1	0 to 52u24u - sub-grade Improjements	07-May-09	2/4/49	М		4017						78,864			78,864	Inci	5,636	193,801	
		-	SWON	Acres s to Lett 1 Walk from 15/88/89  Pler 1 Base Formation - Section 5B	28-Apr-09	2427	D M	-	1567		- 13	BSC	-		450				1-1		-	
			7	edinburgh Park Stätlan Bridge - Appraach ramp aubi grade	27-Ap - D9 78-Apr-119	2429	М	-	1567						450	_			Tuci			
a.			8W	Notified Departure due to the issue of SDS Design programme	28-Apr-09	2401	M					BSC					-					
			198	Notified Departure due to the Issue of SDS Design programme V42	28-Apr-09	2492	M	9.1				#SC										
				Notified Departure of Jai to the Issue of SDS Design programme V43	28-Apt- <b>1</b> 9	2463	М	11			11	SSĈ										
7			SW.	IFC Changes - Series 669 Earthworks Specification	<b>2</b> 9Apr⊕9	2467	181															
			- 10	PC Ghanges - Series 1700 Structural Spacrete Specification	28 <sub>-</sub> Apr-09	2468	50.6				1			100				100	- 3			
		141	7A	Additionof.starterand capping layers in Section 7A	20-May-09	2676	М	9.5	4279.						\$12,174			912,174	Inci	67,501	159,631	
3			26	Cycle provision at Haymarket Steps	28-Apr ∎9	2440	100				- 11			W				17 77				
1		- 10	7.A	Auditional earthworks to westernapproachembankment at: Go arburn Bild e.	08:Jul-09	p732		1	2032						29,316			29,316	[incl	2,169	5,130	
		111	-81	Addition of starterand capping layers in Section5B	2 <b>8</b> -Apr 09	2452	М	1	4516						839,195			839,195	ine	62,100	146,⊌59	
		.01	5C	Addition of stafter and capping layers in Section 5 C	28-Apr-09	2453	М		4277						749,835	-		749,835	Įnci	55,488	191,221	
4		194	5B	Section 5B - Drainage Ditches	07-May-09	2493	М			1			-		(4,463)			(4,463)	Incl		(781)	
			1A		11-May 09	2591	M					BSC			5,410			5,410	Incl	(44.7)	947	
-				A∎ditional Retaining Wall at Tower Bridge Pumping Station		-		-		125					3,410					1.77	547	
			4	GogarDepotEarthworks - Northern Boundary Drainage⊕esign	10-Jun-09	2880	М	4.1			1.4	ssc	-	6,806				6,306	. 451			
7		.07	8	Hard material within Gogar-excavation	12-May-09	2680	М	-	2203			₽SC			30,148			30,148	3,015	2,231	5,276	

	GENERA	L INFORMATIO	IN					7			100						FIN	ANCIAL INFORMA	TION			
	-		1	Location / Description	Notifi	cation	Туре о	f Change	Pr	inciple of Change St with tie	atus	Actions/	Comments				Value of Estimat	e Submission / Cha	nge Order (£GBP)	)		
m+i	*	-	Sulfan	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	No Decision	BSC	-	SDS	BBUK	Siemens	CAF	Subtota	***	Seventier (Finite)	-	twe
			- 14	Forth Ports - New constructional Ocean Prive	12-May-09	2654	М	- 1	1631			BSC		2,400				2,400	240	- 14	420	
M.			SW OFF	I+C Drawing Changes	15-J un-09	#058188	М	85		218					1,925,075	149,757		2,074,832	inel	142,456	336,888	2,5
41	48,96		4.	Depot Floor- Pitfora manual bogie turntáble	14-May-09	T1463	Y	81	M163			BSC		7,593	8,019	14,936		30,548	3,055	2,261	5,346	1 8
413	i.t	84	7A	Provide local protection of sower at@hainage 711990	26-May-09	T1505	1	+	1877					1,999				1,999		-	350	
201		-111		Sample soil nailing to embank/ments between Russell Road and Water of Leith	16-J un-09	2833	D		2606						65,815		-	65,815	6,581	4,870	11 518	
es.	进		1.5	Prants anal Depat Pumping	03-Jun-09	T1599	1+	81	1599			BSC			p2,061			52.061	Incl	3,852	9,111	
iet.	50		16	Construction of a new Martinite Ref. (62:0/MH.658)	0.2-Jun-89	T1656												7	- 1			
A1			-	BAADualling Future Proofing(Eastfield Avenue)  3 Wall - Car Y and Bod - In vestigation to	02-Jun-J9 22-May-09	T1569	-	_	1569			■SC		1,112	1 929	8,136		11,177	111	225		
el t		- 12	-	is of a material replace	15-Jun-09	2859		-	1839						16,973			16,973	1,697	1,256	2,970	
es.		146	- 6	Leith Walk Gyratony System	24-Jul-09	3.134	- + -	-	649[6]				-		4,369			4,369	345	323		
=		W.	- 16	Trackform change of the GuldedBusway	17-Jun-09	#053475		7.	1841							550,000		550,000				
12			3	Design Remove Soft Material rion: Sub Grade of Depot Access Road as	22 ur+.0	2991																
e e			Y	tion City Ball HOUSES	29-cun-09	2964	М	7.1	T			BSC			29 467			29 467	Iricl	2,181	5,157	_
-			76	Revised IF CHRL Drawings Section 7 - Road Scheme Layout	30-Juni-09	2970	М	1.0		125		BSC			41,837			41,837	9,428	3,096	7,321	
-			- 14	RevisedIFC HRL Drawings Section 7 - GogarFamRoad ayo t Revised IFC HRL urawings Section 7 - Ingliston Pa k a to Ride	30-cun-09	2970	М	1.1		19.1		BSC			3,065			3,065		- 41	536	_
eter .			- 10	Tram Stendarmask fin for natk	30-Jun-09	2970	M	300		716		BSC			212,149			212,149	1,394	15,699	37,126	
94_			- 4	Revised IFC HRL u awii gş şectür 7 - Juniuum 210 traffic	30-cun-09	2970	М	- X/-		3.0		BSC			9,612			9,612		(11)	1,682	
-			- 14	Revised FC HRL Brawligs Section 7 - Glasgow Road footway reall inment	30-Jun-09	2970	М	-		- 11		BSC			27,944		_	27,944	1,166	2,068	4,890	
			-	Bernard Street revisions outby th LOD	D6:000 B9	2996																
425			5R	Revisions to FG drawlings - Water of balth Bridge	66-404-89	<b>98</b> 14								_								
427			SWON	Prinvide irisurance ductivat junctions near Princes Street	24-Jun+09	T1999									1							
73	-	:01	- 44	Alteration of Drainage at East field A venue to avoid a clash with	24:dun-09	T1569			2829					- 10	576			956		1		
			- 100	Issueor MUDFA Programme Revision B	08-Jul-3.9	3816	61						-		585,455	738,292	3,826'539	4 330,687				
-		-100	- 4	Audit anal white lining at Hayma ket Station Car Park	08-Jul-09	9826	D		5148						2,914			2,414	291	136	744	
_		10	- 10	Siew existing BT ductat AR underpass	06:Jul-09	3027	М		2614						16,935			16,935	1,693	1,253	2,965	
43			E.W.GN	Frinces Stree a nonneng route	184744.03	31128									200							
No.		.111	2A	Traffic management at Verity House Access Road	D#+Jul-09	3029	D	1	6365			BSC			8,037			8,037	994	. 96	1,406	
-			2A	Traffic Management for VentyHouse Access Road	21-Oct-10	7155	•	0	1.4						6,024			6,024	502	446	1,054	
110		tie	1C	George Street Emergencyroad closure	D <b>6</b> =Jul-09	3030	D	- 1	3212						ļ,124			1,124	112			
405			10	Traffic Management for MUDFA Works	78-Jul-09	3031	•	27.	1837				- 10		4,955			4,955	4%		100	
9		18	10	_athian Road pedestrian disruption	0 <b>6</b> -Jul-09	31.32	D	-	3210						6;405			6;405	640	474	121	
		102	5 <b>B</b>	Carrick Knowe works outwith the L●D	06-Jul-09	3033	•	1	2889						3,205			3,205	321	- 11	561	
138		AEB	SW GN	Noise® Vibration Surveys and Reports Intrie citycentre SIEMENS	02-Jul-09	#053175	D	7.	2052							146,128		146,128				
		+	sw	SDS' preposed office move to Edinburgh Park- IT cests	0/-Jul-09	T1750	D	1	1750			BSC		23,850				23,850	2385	1,765		
440			SW	Utilities conflicts within 1.2 metre clearance zone	Taken	-	- 1															
l4 1a		183	SW	Site Wilde Contamination	05-Aug-09	3130	М	1.	6265			BSC	26-		43,239		1	43,239	5,163	3,200	7,567	
410			.0	Garilck Knowe/Bankhead Drive Gorldor Contamination	21-Sep-10	454	4-	8.1			- 1							- 2				
441c			5 <b>E</b>	BusgateContamination	21-Sep-10	irtes	¥	11			-1		9.									
441d			5A	Scotrall ReplacementCarpark - Contaminationof Excavated Material	24-Sep-10	****	- 10	A.1			1.6				- 1			1		1		
40			5A	Track Drainage	27-Jul-09	1101	14	1 -			4		*		- 4				. 00	-		
45.			sw	Not fied Departure due to the Issue of SDS Design proglamme V44	THERE,	001	200	0.0			245	300										
444			sw	v45	17-Jul-89	3#82	М	411				BSC										
449			sw	nut lied e of	17-Jui-09	3033	М					990										

	HHIMA	- MYCHOMPO	100														- 4	MINISTER MEDICAL	NOM:			
	-			Location / Description	terr	-	Туре	of Change	Pr	incipleof Change St	atus	Miles	nonete				Value of Estima	te Submission / Cha	ngeOrder(£GBP	)		
***	*	+	Setten	Brief Description of Change	***	januta	Туре	Change Type	Agreed	Not Agreed	anterest.	***	4	**	+-	-	4	-	***	Serverbon Pariso		te
246			180	RaseoumDelta Juntion Landseaping	20-00409	3088		1			11				1		Y .	10 11				
ie.			*	Michael State of charge (COM)	20-Jul-09	4161	-	9			-14	Sec										
		144		Change to street lighting at Haymarket Terrace	2 <b>8</b> Jul-09	2003	ii.	- 1	100				. 6		- 440			1,040	- 1	- 1	Y.	
		-	-	Reinstatement of Bus Link	20 Jul-09	2004		1/	1000						- down				60		1 144	
	- 10		- 76		200				1980									5040				
7	15		1.7	BAA New Burnside Road Alignment		700	- 1	7.6	1990			666	20	5,085				5,069	- 2			
1			100	StageD drawingsfortram stops	09-Aug-09	666	*	201		300			W.,	47,468				47,463	4,746	3 512		
e.			- 4	WestDepot Entry/Exitturnout	254049	POTEN.	380	90.0		338		390				3,986		3,986				
i.			-	5B Drainage to Guided Busway	2/-Jul-09	1001	M	A			- 4	860										
H	-10		16	Alteration of traffic-management at Lothian Road Junction to accommodate MUDFA BT and Gasworks	24-Jul-09	71069	+	Y)	100			600			1,395			1,395	Incl		- 10	
56			-	Propasals for treating Sfant Hogikeed ab Edinburgh Park Central Re-use pfexisting verbs	22-Jul-龍	38 15					11	BSC						10				
56				Edinburgin ParkBridge - revisurs to reinforcement to parapetal	\$1-Julin9 84-Aug-#9	3171	- 1					BSD										
4.			14	Revise # Junctioni.äyouts - Section   A	ID-Aug:09	-	W-	- 11			- 1	drei										
			34	rR●changes-inronnalconsultation	07-Aug-09	2884	16	X3		109		300	2.60									
8				TRO changes - informal consultation - Impaction IFC Drawing 5588 dates	07-Aug 09	3245	- 47															
R			100	Forth Ports, Substation - redesign	11-Aug-09	2001	W	9.7	-			900		11,760			-	11,750	1,175	1993		
63			5A	ForthPorts drainageappreval	11-Aug-09 11 Aug-09	3265	-		2458			880		11,771				11,771	1,177	81		
			100	Gogafburn Retaining Walts W14 and W15- Surveyand burn	11-Aug-89	9266	4			11	7)						7			100		
÷			- 16	Redesign of Drainage at BAA/CCRC Interface	17-Aug: 19	***	M	- 301	min.			800		3,219				3,219	10	199		
66			€W	Changes tdTRO 1 Drawings	17 Aug-09	3292	10															
er.				BAA Drainage at Depot	17-Aug-09	8186	M.	X3	2169			BSC										
	59		_10_	Underground Chamber - West Mailland Stree UtilityDiversions associated with Lindsay Road	19-Aug-09	5341	-		art -			900			2,918			2,918	Incl	210		
7.B				Accommodation Works:- Retocate Access steps at 99 Ocean	20-Aug-09	3321																
-				FC drawing changes - Section 5B - Ducting and Cable Routes	27 01000	2445	44	1		- 4			100		179,568			179,568	810	13,288	31,424	
1		190	- 10	Developed kinematic envelope (DKE) check	26-AUg-09	2001	10		3190					12,878				12,878	1.288	100		
18	-	100	-+	Construction of 3 ns. sewer protection slabs and new chamber at Lindsay Road	20-Aug-09	10991	- 41	85	5728						25,328			25,328	7	1,874	4,432	
		100	5E	Additional manhole requirement - Section 58	27-Aug:09	-	- +-	- 1	AMA .						5,673			5,673	- 68	- 80		
n .		to	- 10	A8 Underpass - BT works- Siew 2 wayland 4 wayducts	11-Sepi-09	9478	W	- 11	2480						70,144			70,144	7.344	5,191	12,275	
1	₩5		-	Tram Stops Development Workshop - changes arising	28-Aug-09	13945			3195			300		116,482				116,482	11,646	8,620	20,364	
				Sub Station Development Workshop-changes arising Issued to Closeout CEC Roads TAA Sign Off	28-Sep-09		17.0	- 55	::.*:			800		89,313				89,818	8,931	6,609	15,630	
1			dwide	asset to ordered opp reads more aign on	04-Sep-09	***	*	*				360										H
	-	714	32	Proposed sewerliningat Water of Lettri Bridge	31 Aug:09	met	T	17	240			÷			44,261			44,261	4,426	3,275	7,746	
			-	Sewer Lining works at Water of Leith Bridge; Additional Manhola	10000	781	- #:	-0.7														
			- 25	Sewer Lining works at Water of Leith Bridge; Intrusions	19464	200	.7.	-00					27.10		2,260			2,260	-	, =1	-	
			7A	IFC prowings - Airportflows prevention measures	11-Mec-89	4220	100										7					
a <b>o</b>																						

	GENERAI	L INFORMATIO	N														FI	NANCIAL INFORMA	TION			
	-		1	Location / Description	Notifi	ication	Туре	of Change	Pr	incipleof Change St with tie	atus	Actions/	Comments				Value of Estima	te Submission / Ch	ange Order (£GBP	,		
***	**		Sutten	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	\$10mpto	***		**	***	-	-	-	***	Severbor Finite	-	te
er .	67	2	SW	Changes to sub-stations arising from developmentworkshops	15-Se <b>p</b> -09	T2299	11	113	399			341						10 1				
+	- 11		- 16	Cuivert I - Excavation below formation level	06-Oct-09	3513	-	W	1,4						23,480			23,480	hel	1,738	4,109	
44.		-		Manderston Street operationaltrackcrossover	21-Sep-09	#053721	М	4.0					tie									
4.		105	SW	TPOChangesSeptember2009	23-Sep-09	3565	М	7.	2480					2,922	2			2,922	292	216	511	
_	.19			GogarDepot South embankmentreinstatement and water supclies	18-Se <b>p</b> -09	T2371	1.1	+ -	2371			BSC										
			sw	Developmentworkshopfordrainage- changesarising	28-Sep-09	3613	М		5533			SSC		3€;700	_			36,700	3,670	2,716	6:423	
				Piling distructions encountered atguided busway	29-Sep-09	3680	М		5829			SSC			12,000			12,000	1,200	- 100	2,100	
	-			Testing to carriagewayat LeithWalk	28-Oct-09	3/39/	М	0.1	3351			BSC			40;176			40,176	4,018	2,973	7,031	
	69		18	Biversional cables at Towel Place andge	20-Sep-09	T:2468	77.47															
_		(0)		IFO drawing changes Haymarket Car Park	27-Oct-09	3889	М	7.	5747			BSC			29,652			29,652	2,965	2,194	5,189	
			*	Base Da Murrayfield	05-Oct-09	3688	М	97	5496			BSC			100;444			100,444	5,157	7,433	17,578	
				IFC drawing changes - Ducting and Cable Routes	27-Oct-09	3892	М	- Yo		516		SSC			69,842			69,842	Incl	5,168	12,222	
			- 14	IFC drawing chan es - Duct n and:Cable Routes	22-Nov-10	7519	М	- 1														
_		-	50	IFC drawing changes - Section 3C - Ducting and Cable Routes	27-Feb-09	3893	М					BSC			254999			254999	Incl		44,625	_
	W		1A	IFC drawing changes - Ducting and Cable Routes	27-Oct-09	3891	М	1.		1.4					888,179			888,179			1 55,431	
66				IFC drawing changes - Ducting and Cable Routes	27-Oct-09	3891	М			11					245,534	_		245,534	Incl		42,968	_
 Să			10	IFC drawing changes - Ducting and Cable Rolites	27-Oct-09	3891	M M	-0		100					604,001			604,001	Incl	44,696	105,700	_
d		-	1D	IFC drawing changes - Ducting and ⊘able Routes	27-Oct-09	3891	М	-	- 14	2.7	_	- American			339,657	_		339,657	Inci	25,135	59,440	
-			- 10	Princes street arches  IFC Issue drawings for Bus Liane and Tram onlyzones-	09-Mar ID	3847	M	1		_		BSC			596,271			596,271	Incl	43,384	102,598	
	- 10	100	- 6	S temwide Frederisk Street pedestrian crossing	16-Oct-09	3816	М		6288			BSC		15,152				15.152	1,515		102,598	
4	-	180	4	Picardy Place - redesignment this ide to incorporate a fourth lane eastbound	14-Oct-09	T2620	10		6447			SSC		26;44%				28,446	2,845	2,105		
31	74, 7 <i>t</i> 1a, 7t1b		5C	RBS Tramstop- Provide Future Proofing	14-Oct-09	T2621	(1)	97	4944			SSC		7,163				710	Thi		i i	П
		160		Auditional excavational CarrickKnowe North Abutinent	19-Oct-09	3832	М	8 1	4018						_20				40	1 2	54	
			200	Trackside signage	20-0ct-09	#058771	М		12.1	01		100										
14			ōΒ			9924																
_			_	Additional lighting columns at Carrick Knowe Bridge	02 N EV-09							ESS ESS			2/1			271	idel	20		
*		-114		irafite signalling control at Junetion 41 - Lotillan Read/Charibite Street/Princes Street	28-Oct-09	#053780	М		2928							137,105		137,105			23,856	
6			786	Removal of obstructions at Russell Road Retaining Wall	28-Oct-09	391€	М	7.1	402.7			SSC			46,662			46,662	4,666	3,453	8,119	
_			5G	Additional footway across Depot Access Bridge	0 -N av-	3930	M					BSC										
			W ON	OLE pole modifications - supply of finials	30-Oct-09	#053790	M	- 1				BSC										
0	2		7A	I-C drawing changes - Section 7.A - Ducting and Cable Routes	03-Nov-09	3951	М	- 61		1.6		SSC				566.936		566.936		41,953	98,647	
				o drawing and ages account of policing and ages control			6-1				- 15										3,541	-
5	8		5A	Pilling contructions - alterhative design required	06-Nav-09	3969	М	8.		274		SSC		9,788	152,252	3		162, <b>8</b> 40	16,204	11,991	26,644	
e T			sw	Depot - Movément of Air Compressor Resmi IF 0 changes to Kertey, Pootways, Cycleways, Layleys, Bushays and Pavedareas Silectification	12 NOV-09	111	- 11					111										
6			9₩	IFC changes (i) Read Restraint System's Specification	18-Nev-09	41189	. 10						1									
k.			SWON	Floating Slab in CityCentire	16:-Jah:-10	#057189	М	1.1		900		BSC				121,847	18	121,847				
	1		SVI	FC changesto Read Markings and Stude Specification	16-Nov-69	4024	- 4						V					ir				
	100	100	5A	Scrittish Power Utility Diversion 5A/SP/DI05 at Russell Road Retaining Wall	13-Nov-09	3786	1.5	4.1	4190			₽SC	100		14,830			14 830	1,483	1,097	2,595	

-	GENERA	LINFORMATIO	ON														FIN	ANCIAL INFORMA	TION				
	-			Location / Description	Notification		Type of Change		Pr	inciple of Change St with tie	atus	Actions/	Comments	Value of Estimate Submission / Change Order (EGBP)									
***	*	-	Sedan	Brief Description of Change	Date	Letter Ref	Туре	Change Type	Agreed	Not Agreed	\$10mato	***		**	***	-	*	-	***	Sevention Finite	-	+	
11	1.0		-	Revisedscope StAmilrew Square	(Literate)	tme	1	100	100			\$90											
in .			2.	Traffic Managementto accommodate re-introduction of buses on Princes Street	09-Dec-09	41'80	М	0.5		111					84,737			84,737	8,474	6,271	14,829		
				Disaster RecoveryCentre	15-Feb-10	#053921	М					BSC	- 10			37,217		37,217			6,513		
22			18	LeithWalk raiway andge- specialtrackform	16-Feti-10	4883	М			144		BSG											
	-		- 80	ABUnderpass - supportand protectBT equipment	16-Dec-09	4272	М	7:		79		BSC			59,561			59,561	5,956	4,408	10 423		
			18	Leith Walk - BT apparatus diversions delaying recommencement of Infracolworks	16-Dec-09	4198	М					BSG						1					
	- 10		200	Developmentworkshopfor earthing and bonding- changes arisin	22-Dec-09	T2982	-+-	9 -	2982			BSC		46,595				46,595	4 660	3,448			
1			1.00	Charges to Traffic Regulation Orders at Grosvenor Street	12=Jan-10	4365	М	8.1		133		BSC		49,980				49,980	4,998	3,699			
Ψ.			-	Network Rall Access Road	13-Jan-10	4377	м	7.7	6464	1			. *		126,224			126,224		9,341	22,089	1	
1			34	IFC Drawing changes- Roads , Streetlightning , Drainage	14-Jan-18	4388	М			316		BSC			98,188			98,188	- 60	7,301	17,266		
6				Gogartan fill prof le redesign	15 - Jan - 10	4402	М	X1.	5050			BSC		19,411				L9 4 1 1	1,941	1,436			
0			sw	Notified Departure due to the Issue of SDS Design programme v47	19-Jan-10	4427	М					BSE											
			- in	VAH E OFSOS	19-Jan-10	4423	М	-41				388							_	_			
12			SW	vag Notified e of SBS	19-Jan-tü	4424	М	8.5			7.1	328											
_			-	V50	19-J#r⊩10	4425	М	27			1.7	868											
4			SW	V51	19-Jan-10	4426	М	-				BSE											
15			1.4	Amendments to Till wer Place i ridge	25-Jan-10	4461	M						7		17.501.000	81 ::00 7 46	T 460 036	427049					
3€			SW	Incompletekit.ltyworks	22 dan-10	4470	M							-	17 324.225	21 982,745	3,452,876	4.2 <sub>1</sub> 759,847					
37	-18		SWON	Noise and vibration works arising from the study carried out under INTC 438	21-Jan-10	T3237	4	-	3237		- 33	BSC	*	€8,51			Ti.	68,510	€,851	5,070	3		
39			₹A	AirportTramslop CilE lasse clash With dangly requires a redesion by SIIS	18-Fab-III	4890						ric .											
_		_		Edinburgh Air port Platfurm changes	Shell	4000				-	- 1		*		_		_			_	-	-	
-			W	Edinburgh Airport - CEC changes	11-Feb-10	4627	М	W.1	4553			BSC		16,983				16,983	1;698	1,257			
	Y		- 14	Clindy Work's - chainage Bt:-IDD	12-Feb-10	4652	М	- 30	4376			BSC			1;410			1;410	100	104	341		
et.	0	164	swow	[rans:∱and []nsig modelling -Aecom	12;Fei-10	4651	М	1	5478						30 58]			30 58	3,058	2,243	<u> 5</u> 352		
			. 19	Additional parapetupstand ondeck of Carrick Knowe bridge	11-Feb-10	4641	М	4.5		2.6		BSC			10,513			10,513	Incl	111	1,640		
				Remove Bus Shelters in George Street	12-Feb-10	4662	М	777	7			BSE			53 478			53 478	3,507	3 957	9,359		
			9	Airport Phase Aworks delaydueto drainage settingout conflict	\$6-Feb.t0	4798	М	- 6577		- "	- 1	BSE					-						
e		-186		Change\$to powersupprySubstaton, In trally TNC 14 (Siemens)	12-Feb-10	#058989	М	7.1								47,742		47,742					
+			SW OFF	Accommodation Works - Section 5	12-Feb-10	teds.		1.5	404				*		-						7 - 5		
	115		1D	CECs amendmentstn street lighting	17-Feb-10	4701	+	0.1	6443			BSC		1,895				1.895	- 100	114			
	- in		S W OFF	Amend Trackform atistated locations	12-Feb-10	T4099		100	4999			BSC											
1		. (94)	5A	Removal and disp sal of contaminated soli atRussell Road Retain Wall	22-Feb-10	4747	М	000	5709						294,292			294,292	29,429	21,778	51,501		
12			5A	Kin 17 Read Retaining	22 Feb-40	4752	M M		C.188			000			40,000			48.932	1,000	0.00	0.500		
53 54			5A 7.A	Wall'W4 Edinbur§hAirpoitCCRC WalkwayEarthing an €Banding	22-Feb-10 24-Feb-10	4753 4779	M	- 0	5455		- 1	BSC		5,288	48,932	_		48,932 5,288	4,893	3,621	8,563		
6			5B 5G	Bus Gateprotection or diversion of existingservices  Edinburgh Park Private Hillity diversions being carried out by	25-Feli-10	4787 4788	М	- 1	4758			BSC BSC		5,026	27,491			32,517	3,252	2,409	5,691		
7			iB	thers  outh Girle Ab r in Exiting Sewer Diversifin	To Wat-10	4854	M					888 888											
8		206		South GyleAccessBrdgeHireofTM Equipment	08-Mar-10	4848	М	1.7	- 1				tle	ļ.,	18,184			18,184	1,818	1,346	3,182		
59		209	5°C	A& Underpass Scottish G as Main Diversion	03-Mar I D	4865	M	100	6113			BSC	10		2,048		N.	2,048	- 10	- 11	:99	1	
51			5C	A 8 Underpass grouting of existing sewer	05-Mar-10 03-Mar 16	4901	М	ė	4506				tle		€3,040			€3,€40	€ 304	4,665	11,032		
51		107	50	Scotish Power Cableset 4/6 Stell R TW  Revised IFC drawings for Gogar Roundabout Lighting-	03-Mar 18 26-Feti-10	4844	м					BSC		3.867	30,403			34,269	3,427	2,536	5,320		
_			16	ameridedat GEG's reguest LindsayRøad - Additional røadworks	26-FPb+18	4040	7					<b>8</b> 30		5,447	55,400			34,263	3,427	2,03	0,020		
88																							

DENIAL MUNICIPAL															- 4	BOOK BUILDING	noe.					
	-			Location / Description			Турес	f Change	Р	Miles (	nonete	Value of Estimate Submission / Change Order (\$CBP)										
m+i	*	-	Selfen	Brief Description of Change	***	towns	Туре	Change Type	Agreed	Not Agreed	Name of Street	***	-	#	-	****	-		***	Name of Street		to
10.0			-	Reinstate traffic Islandon PrincesStreet-Chainage 130+280	(0.00-1)	413			7610	- 11				1,140				1 140	- 10			
ier-	in		- 10	AccommodationWorks-Section7	22-Feb-10	3895	- 1	-		- 14			-									
166		.00	2A	Topographical surveyat Scotrall Depot	36 66-13	400	10	100	1				201	1,543				1,543	.04	256	Vi I	
(AI)	- Au		SW OFF	Point Machine Position (SV-0116)	08-Feb-10	18686	44	- 31	400							-		4			- 4	
570			10	Delayed, access to Shandwick Place dule to MUDFA delayed	08:Mar 10	4735	- 4					BSC		4 1							7	
-			10	Delayed access to Clifton Terrace (dhase 1) due to MUDHA	08-Mar-18	4734	- 10	- 111				BSG										
o				Outof sequence werking at Haymarket/Lottlan Road Junction due to MUDFA de ayed completion	-	espt	*	- 11			- 1	#SC										
×				Catalina care anno amount	State of	4971	#					800										
n	- 10		- 16	Remove surglus material from Plot304	10 00/12	1000		-	400			200			231,733			291,799	-	17,148	40,553	
			200	Developed kinematic envelope(DKE) - SiteWide	10.00-12	489	88					- inc			201,733			231,133		17,140	40,003	
			-	Busgate, Contamination	lime ti	601	44					glar)										
-			-	W19 - GyleStop retaining wall- protection of existing services	10.6419	9010	je.					900,			60,670			60,670	6,067	4,490	10,617	
+		204	-	A3 Underpass - Phase 2 - Piling obstructions	1 2+Mar-1 ()	894	- 2								7,028			7,028	0,007	4,430	1,230	
rs.			-	ABUnderpass - Phase 2 - Change to piletoe levels	124Widi-10	Allia						890			32,224			32,224	Incl	2,385	5,639	_
w			- 10	Informatives approvals process changes by CEC	Trepto.	888	-	-		- 1		250			52,225			02,224	liki.	2,000	0,003	
			200	Revisions to TRO public exhibition document-additionaltie	#6-Ap ~10	-	W	-				\$90										
ò			- 10	LindsayPoad retainingwall 1C - Unforeseengroundconditions	09-Apr10	000	-		THE			86			5.522			5.522	-	- 69	- Mar	
		-00	99.08	PartireInstatementofPrinces Streetcontingencyroute	09-Apr-10	1011			5411			861			16,269			16,269	1 627		2.847	_
		-99	- 16	Invasive Species - Gogar Landfill Area - Glant Hogweed	09-Apr-10	1466	- 11		3411			-	-		57.423			57,423	5,667	4,249	10.049	
is	100		-	Revised traffic management at Junction of the Mounci, Princes	из-хрити	19,679	*		alte				_	4,078	2,025			6,103	5,667	4,249	10,049	
97				Street and Hanover Street  New CEC commerits - Advance directional signing for	30-Mar-10	200								4,070	2,023			0,103				
100			09/06	Special tradiform construction at shallow depth obstructions	30-Maj-10					11				80,415		45,381		125,796	12,580	5,951	22,014	_
N.	-	100		Delivery offirstram to Edinburgh	10 mg 10	tarti			2:40					56,364		43,001	40.1	96,670	9,667	14.1.7	22,019	
			24	CBR verification Results - TQ 1518	07 Apr-10	-	la.		240					3 8,304	27,531		40,00	27,531	Incl	2,037	4,818	_
			20	REVisions to TRO general over-rew document - additional tie	06-Apr-10	600	-			376		200		-	27,001			27,001	inci	2,037	7,010	
			-	comments  contaminated material at Murrayfield Transtop/W18 refaining	07 Apr 10	5278						int			-				0			
W.			14	wall  Revisionsto CLE bases - Section 2A	07-Apr 1 D	8899	-	-V		7.0					302 922			302922	30,292	22,416	53,011	
d.			24	IFC drawing changes - Section 2A - Ducting and Cable Routes	07-Apr-10	5276	-								205,423			205,423	Incl		35,949	
-			34	IFC drawing changes - Section 2A - Ducting and Cable Routes	Debets	99	M	-			- 1				200,920			200,420	liki	10,201	00,545	
		:000	36	Haymarket Station - amiditional works to Network Rall access	06-May-10	5275	16		160			960			1.350			1,350	135		- 100	
16		- 77	- 16	Possession of car park at Haymarket- unrestricted access	07-Apr- 10	8778						BSC		- 10	1,000			1,000	100			
~			2A	Remediation of soft ground - Technical Queryno. 15:00	07 Apr-10	5278	100		the second			BSC			59			59				
			#	Victoria Dock Entrance Bridge - road safety audit on existing	09-Apr-10	5292	4	- 11			7.4	ESC										_
			2.67	Wall 1C - Unforeseen ground conditions - 500mm dia Concrete	09-Apr 10				1,271			BSC										
10			- 29	p pe	09-Apr 10	9991		Ж.)	.1790			■SC:	-	-	970			970			. 199	
441				and a framework will be reduced point in effective and the	07-May-10	0.000	100	303	900			200			53,473			53,473	4,920	3,957	9,358	
ir.		99100	:10	Bus Gate - Unforeseen ground conditions - existing Scottish	09-Apr 10	11100	16	- 90	1100			Tist			1,823			1,823	-	799		_
ed .		100	- #	Power Vicable and ducting  Bus*Gate - Unfureseen ground conditions - existing foull water	09-Apr10			- 0	140						3,036			3,036	5.4	111	- 111	
			-	UndsayRoad radio mast-tribe relocated	09-Apr-10	100	-	-				Yel										
			100	Bus Gate- discovery of existing utilities Street lighting, power	12-Ap -1.0	bast	10.	-	And:			860			1,866			1,866	167	136	. 29	
_	.00		- 16	Sueply and ducting  Archaelogical FindingsWest Aleutment	13-Apr-10	5193	4.	8.1	Along						194			24	- 6	- 11	- 44	
-	196	29	14	Archaelogical FindingsEastAbument	13-Apr-10	696		V	tie.			BSC			100			in		- 4	-	П
1		1,500		Tram stops - CEC and t'e comments not in accordance with					1771			- 65										
ia.		1	1A	Schedule Part 14  Accommodation Works at plats \$1 and \$2 at Forth Ports	151-Apr-10 09-Apr-10	196	*	- 1	499			ISC										
17		† †											1		28,087			28,087		2,078	4,915	
17	55		9.W		09-Apr=10	8111	-															
17	58		9₩	New Ranning Advice Note PANES - Space for domestic pets Adoption lines in the Forth Portsarea	09-Api=10	1000 1000	ii ii		-	1	-	Isc										
1	88		9W	New Ramino Advice Note PANES - Space for domestic pets	-	****	-					#SC			2,757			2,757	679	2(34	433	

	GENERA	L INFORMATIO	N														FI	NANCIAL INFORMA	TION				
	-		1	Location / Description			Туре о	of Change	Pr	inciple of Change St with tie	atus	Actions/	Comments	Value of Estimate Submission / Change Order (ECBP)									
m+s	**	+	Sutten	Brief Description of Change	Date	Letter Re f	Туре	Change Type	Agreed	Not Agreed	***	***	-	**	-	-	-	-	***	Savanteer Facilities	-	tene	
613			5A	W B Baird Drive RTW - contaminated material	16-Ap 10	5424	М	7			1	300	1		- 4						-		
,60 A			SWON	BDDItoIFC Drawing Changes	19-Aug-10	6448	М	T :			- 11 - 01		-180	6	3,979,442	168,545	§ =	4,147,987		294,479	686,402	5,1	
<b>6</b> 15			SWON	Mountaing of sign piete son buildings and rail rigs	22 Apr 10	54 98																	
RE.	1		50	AB UtilifyWorks—Slaw and profest 4 way Geonetdus toank	12-Ma <u>y</u> -ID	5242	М	711	4569				*		4,819			4,819	Incl	90	843		
617			. +	Turninghead at depot access road	28-Ap 10	5536	М	+ -			- 4	BSC											
1/4:	9		100	Depot Access Bridge- piling obstructions	30-Apr-10	5591	М		5455		1.5	#SC			7,028			7,028	- 100	106	1,230		
1199				Depat Access Brid e- Ilin abstructions	21:Jan-11	7885					2.4				21,989			21,989	2 199	1,627	3 848		
101			1.4	TowerPlaceBridge EastAbutment- discovery of HV cable	29-Apr-10	5526	М				- 1	BSC	_	-	42,311			42,311	4,231	3 131	7,404	_	
100			- 44	Tower Place Birdge - Unforeseen ground cohalitions - Ch 1500 - existin concrete	teanth.	8811	96	- 1	561			300	4					3					
101			14	TowerPlace Bridge - Unforeseen ground conditions Ch 1500 existin bonded rubble breakwater	14-Jun-10	5996	М	100	5574			BSC			59,552			59,552	5,955	4,407	10 422		
-	100		1A	Werkto sewers at ret₄inIngWall 1A - ⊔ndsayRead	07-May-t0	T4942	(+)	7.	4942			BSC											
hin.			2A	UnforeseenGround Conditions - change to piling methology	20-May-10	5759	М	0		114		BSC		7,818				7,313	731	541	731		
			2A	Change in PilingMethodology	21-Jari- []	7884							6		43,611			43,611	4,361	3,227	7,632		
625			5A	Murrayfield Conidor Retaining Walls Ground Improvement Protected Species mitigation measures Badgertünnels, fences	28-Jui-10	6329	М	-							453,022			453,022	45,802	33,524	79,279	-	
101			- 14	and feedin stations	20-May-10	5758	14					941											
927.			518	Busgate Cn. 523540 - 640 - South Side - soft ground conduons  Removal of materials from Port of Leith Housing Association	18-May-10	5736																	
NE.	188			land at the Casino	14-May-ID	T5024		100	5024						851			851	- 1		149		
629		-	2A	IFC Drawing changes for Section 2 Track Drainage Haymarket Vladuot - Retaining Wall W21 - Temporary works	24-May-10	5779	М	111					tie		(6,463)			(6,463)	Incl		(1,135)		
M			- 18	char es due to projecting footing	20-May-10	5760	М	+ -		1.0				3,606				3,606	19	315	3		
631			7A	●LEpole foundations - BDDI-IFC-Section 7	29-Jun=10	6117	М	1		- 1			tle		75,362			75,362		5,577	13,188		
100			#	TowerPlaceBridge - Unforeseen ground conditions - Ch 01B425 - existing tie rods	31-May-10	5865	М	X.	5244			100											
634			- 10	Invasive Species- GiantHogweed	10-Jury-10	5973	М	2.1			- 1	det	Ji .										
-			-	Hayinarket Viaduct - Existing BT Catleand Ofainage pipe	ICHJ WINT D	<b>2974</b>	М	270				BSC											
636	I		sw	Notified Departure due to the Issue of SDS Design programme	ı <b>0</b> -Jun₊10	5974	545	100				BSC											
637			SW	Notified Geparture due to the Issue of SDS Design programme	10-July-18	<b>a</b> 975	M	100			24 14	BSC			- 9								
638				Section 3 Drainage (ScottlishWater) Approvals closeout	16-Jun-10	6020	- 11	-			- 1	300											
HT .			36	Murravfield transtoprevised lavout	23-Jun-10	6079	-			-		800					-						
lesi .		-10	we bet	Provisional Sum - Network Rail Possession Staff	24-A.Jg-10	6482	м		- 4			- 17			49.599			49 599	4 956	3.667	8,673		
-		-		Undefines Prov Sum Screen e 4 Table Liter 3 - PIC /Ps/		7.55		-											4	0,001	0,010		
640b		-34	SW OFF	CISS / Prissession Prethiction Staff (3/4/10to 19/12/10)	16-Dec-10	7711	М	7					_		3,371			3,371	937		- 1		
N/A	-140		- 1	ElderStreet Junction redesign	06+Jul=10	T5471	1.	- ^	5:471			BSC		73,860				73,360	7,336	5,429			
43 1		111	1.0	Hý, sub-slétion Goga? Depot-relocate sw Ching Station	82-Jul-18	#05 1038	М	7.1	5977							<u>87</u> ,957		87,357					
NO.		181	7A	Wayleave Issues- Ingliston Hi/sulestation	08-Jul-10	#051039	М	- 4	6269							35,547		35,547					
44.2		242	74	Way⊮avelssues - Ingliston HV substation	08-Jul-10	#051039	M	9	6269							5,191		5,161					
19			/ /#	HV Jenners - Adeltienal reinforcement	08-Jul-10	#058985	М	7 1			1.3	#SC -				65,414		65;414					
5-lb		100	60	AB Underpass - Phase4 piling obstructions	I D-Aug-10	6396	М	+	6360				197		23,750			23,750	2,375	1,758	4,156		
HF.	440	177	96.00	Transfer of Lor ractor DUV, y for reliev.  of at West End	06-Jul-10	T5508	1.	30.1	5508			ESC	0.00	14	102,307			102,307	10,231	7,571	17,904		
			110000	luction St Andrew Square and eith Walk		4.00	-	-	-			- 22	_	-		_	_						
10			. 100	Promotion of Traffic Regulation ●rdets (TRQs) by CEC	History	0.000	*	-		7.3		100											
649	189		SW	Transtops - Changing Brand Guidelines, TVMs and Validators	24-Jury-10	5360			5422			BSC		54,168				54,168	5,417	4,008			
imi			SW®N	Listed Building Consent - Dublin Street	17-Jul-10	6226	- 10	-															
651	LTD LESS		\$W0N	Festival embargos extended by 2 weeks	14-Jul-10	6247												1					
(d)	190		7A	Remeval of GlantHogweed In Plot 304	19-Jul-10	T5176	М	1	5176				- 20		14,356			14,356	1,436	1,062	2,512		
653	1000	711	7A	Badger Settremoval (Ollie Hughes)	03-Sep-10	8625	М	7.	6500						1,364			1,364	136		- 310		
654	100	210	7A	Additional Tram srop at Gogarto be named "Edinburgh Gateway	16×Iul-10	T5624	+	1.1	6605			BSC		1.680				1,880	- 04	946			
da .	01.6	100	7A	Relocate drainage from A8 at Gogar Interchange	<b>16</b> ₅Jul-10	T5624	L.t.	1	6509			BSC		23,101				23,101	2,310	1,709			
NA.	700		1A	Remove existing sewer in Section 1A	thing.	THIT	1111		1617			per	,'	1				1					
100			1A	Jane StreetRadio Mast - FeasibilityStudy and Site Share Application	29-Jul-10	#054180	М			- 4			- 10			8,725		8,725	873	646	1,527		
658			3A	Section 2 A - Phase 1A/18 Interface design	Shirt	100	14	-1.0				86											
10			5A	RoseburnViaductStructures - Additional requirements tovalue en ineered desi n	28-Jul-10	6322	М	- 11			. 1	■SC:											
660		- 101	7.A:	Topographical surveyfor BurnsideRead	05-Aug-10	6873	М	6.00	6448	1.				2,453				2.453	245	182	429		
HET.			SW	Litsians requirements from CBC	09-Aug-10	6887	M					■SC											
			3A	OLE Foundation 200+249 atHaymarketYar≢s	11-Aug-10	4411		7.0															

	HHIMA	- mromowns															- 3	MARCH. MPERAN	noe			
	-			Location / Description	Type of Change			Pr	incipleofChange St	atus	m/berel	noments.	Value of Estimate Submission /Change Order (ECBP)									
***	**	-	Selfen	Brief Description of Change	***	tatenta	Туре	Change Type	Agreed	Not Agreed	Stringer:	***	4	#	-	-	**	-	***	Severbor Plains	-	twe
18%			- 10	Live HVcable discoveredat Structure W 1 - LindsayRoad Retainir gWall 1D	i6-Aug-ID	6430	'M'	- 11		- 23			W.									
188			744	Linds@yRoad retainingwallfnish	19 Aug-10	4600	167	A.1			7.4	890										
167			- 10	Test Soil Nailing	20-Aug-10	100	#.	9.		.991			- 16		34,975			34,975		2,35	5,564	4
638			190	Busgate: Scottish PowerHV Cable Clashwith Drainage	23: Aug-10	6475	99	9.1		179			- 4		11,458			11,458	291	. 94	2,005	1
Add.		787	- 44	BusgateDrainage Works - Ground Conditions	23:Aug-10	dddy	de	Y 1			100				8,287			8,287		- 84	1,450	
69			.91	Excavation through rock withIndrainagerun	02-Sep-10	807	.00.	- 0			-74-									- 10		
II fo			- 10	0.1	02-Sep-I0	eletro	W.	1	100				- 70		6,389			6,389	100	85	1,118	
101		- 79	165	Slewing in existing ducts out with the excavation line on the south side of the AB	27-Aug 10	Added	- 10	1 :-	- 1				- 10		8,614			8,614	26	- 11	1,508	
672			38	COLUMN TO SERVICE STATE STATE STATE OF THE SERVICE STATE STA	27-Aug-10	6558	*	A.5			2.3											
101			26	Ch 200+109 HaymarketYards - Unforeseen GroundConditions	16-Sep-10	1000	16	300			- 1				9,382			9,382	- 10	- 94	1,642	
675			*	Edinburgh Park Station Tramstop BDDI to IFG	08-Sep-10 08-Sep-1∎	-	W	- 1			- 11				21,233 40.580			21,233 40,580	7 <u>,0</u> 70	1,57	3,716	
₩ /b			76	The Gyle Centre TAAforNii Crossing 1 & 2	ua-sep. (●	-	8	- 61			74 1			3,295	40,580			40,580 3,295	- 10	3,00	7,102	
				Extension of the Maccafern 'REN®' mattresses under Gogar										3,293						195	-	
167			266	BurnBndge	€1-Sep-10	_	.#-	4.0			< 4				17,631			17,631		1,36	3,085	
NA.			766	COMMUNICATION OF AUGUST TOTAL TOTAL	08-Sep-1,0	4811	- #-	7.1		- 11					22;466			22;466		1,69	3,932	
100	146	211	+	TowerPlace Bridge O version	14-Sep-10	66H0		- 8.5	4166				-		8,631			8,631			1,510	
(ar			- 34	Trackslab andOHLE base/Existing GasMaIn@lash.ch200+120	15-Sep-I0	with	M.				- 1											-,-
200			36	Impact of Tram Infrastructure on flood risk in the gogar burn	22-Sep-I0	1101		-														
						1110	100															
-			, Ab	LindsayRoad Retaining Wall 1A - Ground Conditions	28-Sep-10	-	-14	- 1			- 1											
18E	100		5C	GogarCastle Access-Junction 206	bide (a	-	#	83	(4)													
160			1A	Lighting Change for combine \$ ●LE/Lightin € on ● cean Drive	to design	FIRE.	. 11	16.7														
699				Indisting Ducts with a expansion for South East Approach Units	-1-7	6940									- 3							
389.	110	300		Archaeological findings	and the fire	1001		A .	1,4						9,107			9,107		185	1,594	
m			SW OFF	Electrification of Airdrie to Bathgate Rall   inkProject	Shelt	-	. W.	× 1			71											
MIL			194	Unableto commence fill operations	10000	-	#	100			29											
)#(		:111	50	Ch530000to 580480, Utilities Protection Measures	114111	100	+	Ψ.			- 29		(9)		1,945			1,945		- 19	- 10	n
(80)			-00	Utilities Protection Measures (Gas Main)	111001	7940	181	1			5.8		100		20;148			20,148	2,015	1,49	1 3,526	1
100			- 166	Scotrail Car Kark Barrier and Secunty	THORN	100	.60	- 90			- (4											
-			- 56	Ch 200-127, Utilities Clash	160000	20	W.	-														
				Ch 200+215 Unforseen Ground Conditions / Below Ground																		
467				Structions	9.0030	700									787			787			- 00	
les.			Section.	I-C Drawing Changes- SoftLands.aping	Miles III	Sets	M.	8.0			1.5		. *		67,603			67,603	4,371	5,00	3 11,830	
jes .			36	I-C Drawing Changes- SoftLands.aping	-	700	. 16	3.7			7.0		190		3,959			3,859	- 380		10 100	
160			1-6	IFC DrawingChanges- Sof:Landscaping	HOUSE	7647	***	6.0			Ci		-		41,341			41,341	3,694	3,059	7,235	
100			.00	Additional interlockingremou d reset functions (Semens)	29-100/9	9400	.81	7.1			5.1				= 7	36,303	9	36,303				
inc	ine.		dos	Pedestrian Guardrali - change in CECS pecification	planets.	1814	77	1.0	796					2,105		_		2,105		-	311	
			1A			1001		- 21	- 100		- 54											
PRI .				Planning Permission Access to on Iselinerarea	198040																	
181			-80	0-00010011001001001001001001001001001001	Title-10	7888	.*				1				-							
-				Uniteraseeri Gröund Contillions On 2007125 Haymarket Yalds	-1000000	-																
100,000	1196	302	M	●pentotwc waytraffic 19/11/10-18/01/11	17-No:+10	T6725	1	- 1	14						52,500			52,500		3,88	9,188	
Name of			. 10	TowerPlace Bridge Suspension of Works 19/11/10 to 10/1/11	20-Dec-10	7728	11	16 °C		216					61,210			61,210		4,53	10,712	
10.01	1100		- 16	TowerPlaceBridge Divers on TNC 1190	11010-12	11101	-		- 1						9,762		0	9,762	- 7	. 11	1,708	3

	timin	A. HPIRIMFE	in .														- 14	MARCH. MPSHA	Inca					
	-			Location / Description			Type of Change			rincipleofChange St	atus	Miles	(Money	Value of Estimate Submission / ChangeOrder (EGBP)										
***	*	-	Setten	Brief Description of Change	***	taturka	Туре	Change Type	Agreed	Not Agreed	\$150000	***	-	-	Mari	****	-	-	***	Severbor Fisites	Office Production	total		
766			186	Existing Services in rootpath Haymarket Terrace	Melorita	100	141	10	18						6.011			6.011	442	445	1,052	7		
He			16	Gycle path to be incorporated as pertile designiref INF GORR 5752/MBU	Bines.	1986					- 4													
768			60	Updated icn-contestable Costs and substations updated Vicosts	NOW!	THE	10.	111			- 1					2,739	1	2,739	466					
719			166	Amendment to South Cope DuctBank	11 CH-10	1111	.66	100			14				2,359			2,359		190	-9.00			
719			IC	SiteClearenceBDDI-IFG	1100-1	79	*	-+1							260,103			260,103		19,248	45,518	32		
766			-	Section 5B Stenhouse Drive Retaining Wall and associated Utilities Works	1000	996		11																
- To		382	24	TVDuctbrench re-design	process.	2363	16.	- 1	- 4					4,990				4 990	499	.00	6			
100	190	911	100	Incorporate Murayfield Accommodation Works into "As-Built" documents	12-Jari-1 1	7819	50	X	. 1													-		
100		ini	34	Coupling of Tram on Prince's Street	******	23162	+		- 1									9 7						
785	(10)			RWIA Footpath attoe ofwall ADM to Ocean Drive Link Road	miners.	-	1	-	-															
No.			-	HGV Turning constitution Street/Laurie Street	nomi	60	iii	100			- 74													
TIT	116			Wash Plant throughput / tram end Wash (Hand Wands)	SERVE .	1011	- 1		1															
	(m)		- 34	Tie haveregu hi Rei	= 691	6101	1	10							2,895			2,895	-	116	- 44	T		
798				C®M InstallAlmortKiosk	28611	21005	1	- 67			- 1													
196			. 10	•LE Special Foundation Murrayfield Transtop Retaining Wall	-	1141		*			- 0													
m			*	Chenge Tracidorm from current design backto BDDI	114911	(6.94)	M.	1.			- 1													
706	110			Depot Access Road, Hammer Head	(1,864)	7986			1.6															
100			200	Network Rail development of Haymarket Station	25.8811	mine					21											1		
79.	100		177	Provime accèss for Utilities at Tower Place and Tower Place Bridge	06-Apr-11	1300			- 11												,			
111	7116	terms.							357Agreed	129NatAgreed	mini basan	36	110	3,899,458	82,746,622	35,126,453	9,833,34	1 28 568,∓42	1,157,635	4,949,400	11 841,907	145,55		
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cation of Cost ndraw நூல் புரு ay Onty ing B Order issi	eded#na cast	OPS VPS VE FVE N/A	Children Provided & Systems & Street Provided & Provided & Systems & Street Provided & Street Provided & Street Provided & Street Provided & Street Provided & Street Provided & Street Provided & Street Provided & Street	har.																				

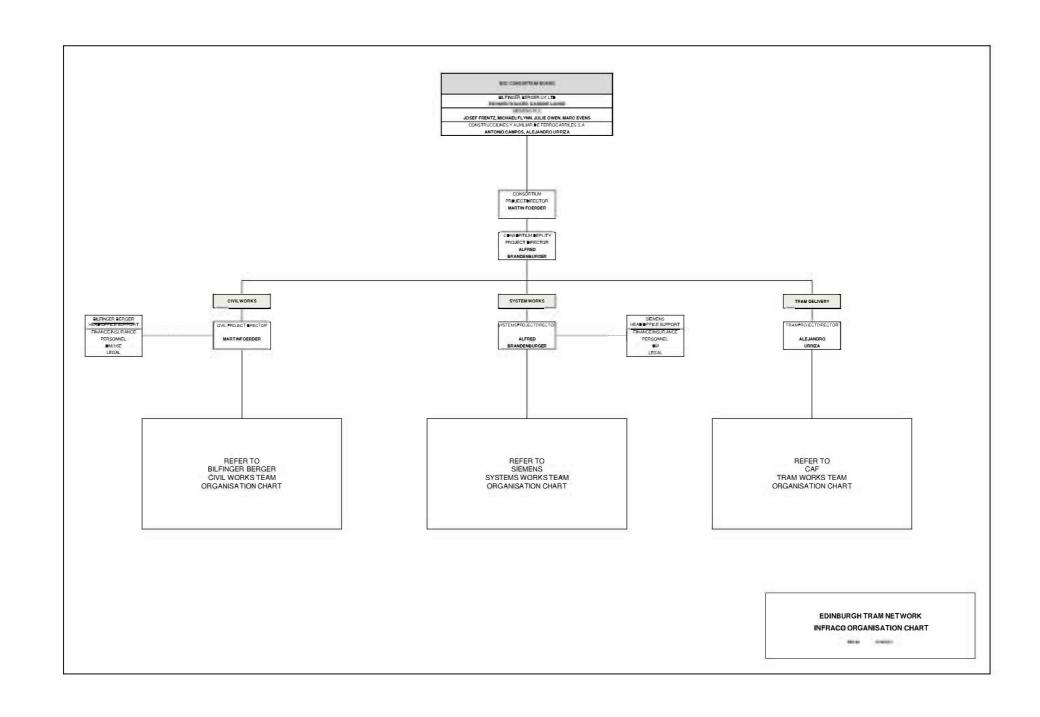


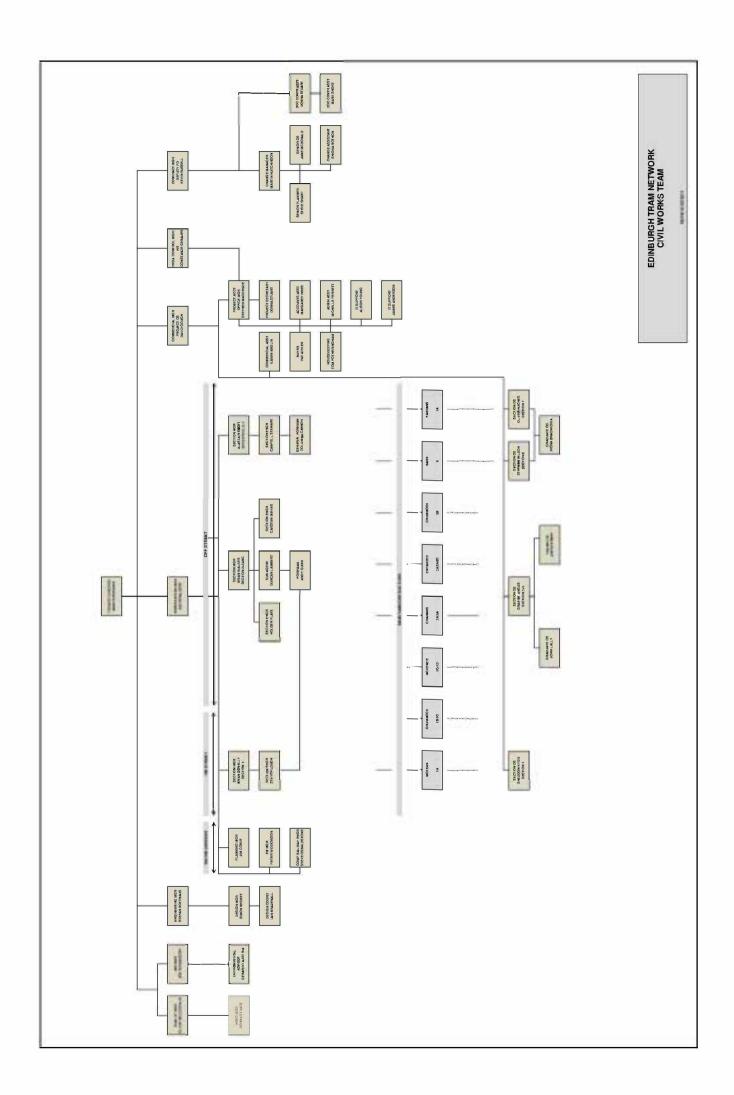




Bilfinger Berger - Siemens - CAF Consortium

# 10.8 Organisation Charts





Valid as of: 01.04.2011