

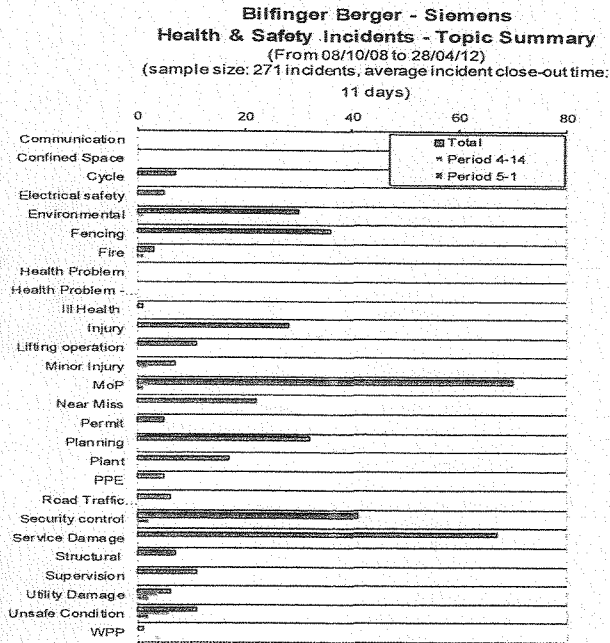
**EDINBURGH TRAM NETWORK  
INFRACO CONTRACT**

**PERIOD REPORT No 5-1  
TO 28 APRIL 2012**

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**2.1.3 Rolling Trend Analysis for Period 5-1 up to 28 April 2012 on Safety and Environmental Related Activities**



**2.1.4 The AFRs at the end of Period 5-1:**

Project AFR: 0.10  
KPI AFR for 2012/2013: 0.00

**Note:**

In Period Report 4-14 a dangerous occurrence was recorded in this section which resulted in a project AFR of 0.13 and a KPI AFR of 1.00. This has been amended as it is not standard industry practice to record dangerous occurrences in statistics such as AFRs unless it has resulted in a reportable injury. It would then be the reportable injury that would be entered through RIDDOR classification in the AFR.

Total Hours worked in Period 5-1:

Total: 90,574  
Non site hours = 16,850  
Site Hours = 73,724

Contractor Period HS&E Return for Period 5-1 is attached at Appendix 10.1.

**2.2 Environment**

2.2.1 An internal 2-day environmental audit was carried out and 6 non-conformances were identified and are been addressed.

2.2.2 A joint Environmental Inspection with CEC/T&T was carried out at Edinburgh Park (Coffey) site. Some observations were identified and are been addressed by the sub-contractor.

2.2.2 The third Environmental Forum was held on 25 April 12. There were 12 attendees who represented various sub-contractors, Infraco and CEC.

Agenda topics included:

1. Review of the NCRs from the external audit.
2. An explanation of the BBS Environmental Monitoring System.
3. Nesting birds.

**2.2.3 Waste Material on the Project**

2.2.3.1 Infraco are complying with the Legislation and SEPA Guidelines in respect of movement of waste materials on the Project. In February 2012, a complaint was raised to SEPA in relation to waste material movement off the Project from Baird Drive. During SEPA's investigation they met with Infraco and agreed measures to be undertaken including stockpiling the material on site and carrying out additional testing of the waste material to confirm the classification. During the reporting period, Infraco and SEPA met and discussed the results of the additional testing, however, SEPA requested further substantiation / justification as to the assessment carried out. It was agreed that this would be provided in the next reporting period.

**2.3 Quality**

**2.3.1 Quality Management System**

52 Infraco ITP's have been submitted to CEC. In this period there have been no further submissions of ITP's.

**Summary of Section Completion Dates:**

Section	Update of Revision 4 Progressed to 28 April 2012	Programme Revision 4
A	16 December 2011 – Complete	16 December 2011
B	25 March 2013	08 March 2013
C	01 June 2014	09 April 2014
D	30 August 2014	08 July 2014

Section A: Certificate of Substantial Completion was issued to Infraco on 16 December 2011.

Section B completion date shows total slippage of 12 BD (Business Days), indicating recovery of 5 BD in the period. The construction teams continue with measures to recover this time. Refer to Section 5.1.

The Critical Path driving this date is:  
*Edinburgh Airport Tram Stop / EAL Programme Works / Section 7 Construction Works / Trackwork / E&M works / Commissioning and Testing / Section B Completion.*

Section C completion date indicates slippage of 11 BD in the period (35 BD total). The Critical Path driving this date is as follows:

*Section 1D Civil Works / 1D Commissioning and Testing / Section C Completion.*

In the progressed programme the calendar for piling/earthworks item 5A-11-S21B-61(3) has been amended to the standard 5 Day Construction calendar. This correctly reflects current working arrangements with Network Rail.

The Programme is progressed with construction progress achieved to the Data Date but does not include for any anticipated access dates following utility diversion works until such are achieved.

TCO 528 was issued on 21 December 11 confirming the exclusion of all works at the Forth Ports area (Lindsay Road Retaining Wall, Lindsay Road Roadworks etc). This Change will be included in the next revision of the Programme which is under preparation and is expected to be issued to CEC in the next reporting period for agreement.

**4. DESIGN**

**4.1 Civil & Building Works**

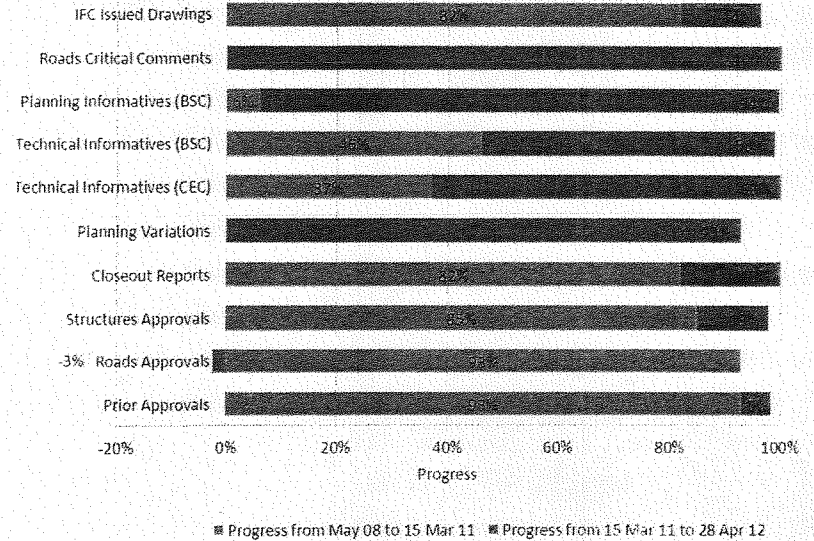
**4.1.1 Civil & Building - Design**

**4.1.1.1 Design Status Summary**

Significant progress has been made by all parties to complete the design and a summary of the progress is presented graphically below.

CECs key staff (Technical and Planning) based at Edinburgh Park continues to facilitate the quick resolution of any further design issues or change that could become evident during the implementation, testing and commissioning phases.

Design Status Summary for breakdown of progress (28 April 2012)



Note:  
1. "Planning Informatives (CEC)" are not the responsibility of Infraco to close and it is assumed by Infraco that relevant Informatives owned by CEC will be discharged to meet the Infraco Programme. Infraco await update from CEC/T&T for these Informatives. These informatives are not indicated above as they are tracked and managed by T&T/CEC.  
2. The graph reflects the discussions regarding York Place to Newhaven Design being finalised without any further approvals.

*2nd  
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machine. X.  
links  
to  
5th March.*

**4c.**

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has confirmed that they will make provision to upgrade their existing PEEK UTC system to ensure compatibility with SPEUCE adaptor. Siemens will be holding further meetings with CEC and consultant from SPRUCE in May/June 2012 (exact date to be agreed). Initial due diligence carried out by Siemens to determine product suitability, limitations and restrictions for method of control for road network. Findings are to be presented to CEC for analysis.

**UTC Fibre CCN**

Estimate is been prepared for inclusion of UTC over OTN network.

**Issues and Concerns**

None.

**4.2.7 HV/LV – Supply - Design**

**Progress**

No progress.

**Issues and Concerns**

Wayleave between SPEN and Network Rail for Haymarket substation still outstanding. To progress SPEN installation works (planned start 8<sup>th</sup> May 2012) T&T/CEC have agreed to accept risk for abortive works if wayleave not agreed or changed.

**4.3 SYSTEMS INTEGRATION**

**4.3.1 EMC**

**Progress**

Test procedure for Immunisation measurements has been provided to NWR and CEC informally. As built status of NWR electrification in the shared corridor has been requested from CEC. The details are currently elaborated and will form part of the overall T&C Plan.

Pedestrian guardrails seem to be different than previously planned. Clarification of future installations in progress and will be added to the report. Test Procedures for EMC and E&B are in progress including their integration into the T&C Plan.

**Issues and Concerns**

None.

**4.3.2 System Assurance**

**4.3.2.1 Activities Completed**

Update "Final Case for Safety" for Section A and Mini Test Track (MTT) (expected to be submitted by 2 May 12).

**4.3.2.2 Activities Ongoing and Planned:**

Update V&V activities for SA Requirements.

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**4.4 CONSENTS**

**4.4.1 CEC Planning – To Be Submitted:**

1. Dublin Street Steps – Listed Building Consent and New Prior Approval.

**4.4.2 CEC Planning – Submissions with or in discussion with CEC:**

1. Planning Variations – 54 of 59 planning batches approved to date.
2. OLE Pole finials – details to be confirmed with CEC Planning.
3. Princes Street OLE design changes.
4. York Place Terminal Point – new Prior Approval.

**4.4.3 CEC Technical (Roads) – To Be Submitted:**

1. St Andrew Square Public Realm.
2. Tram Signage (part of T&C phase).
3. Revised design for non-settled areas.
4. New drainage design to be carried out under PMC 050.

**4.4.4 CEC Technical (Roads) – Submissions with or in Discussion with CEC:**

1. Routes for two separate links to City Chambers agreed with CEC 22<sup>nd</sup> February 12. Estimate being prepared by Infraco.
2. CEC/TEL provided protocols for Bus Tracker. Infraco issued report on 29<sup>th</sup> Aug 11. tNC required from CEC/T&T to redesign to new system.
3. Technical Informatives – 2No remain open.
4. High Level Control (following on from Traffic Modelling close out).
5. Tram Turn Back Strategy – submitted for approval.
6. York Place Terminal Point – detailed design.

**4.4.5 CEC Building Control – Building Warrants**

1. Cathedral Lane Substation – with CEC to approve.

**4.4.6 Scottish Water**

1. New drainage design to be carried out under PMC 050.

**4.4.7 Other Third Party Consents**

1. Dublin Street – Property Owner(s) – CEC to obtain.
2. New Edinburgh Limited (Edinburgh Park) – Viaduct Abutment Cladding.

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**Issues and Concerns**

Resolution of power supplies to streetlighting required.

**Planned Commencement of New Activities in Next Reporting Period**

Completion of foundation works and construction of paving finishes.

**5.1.2 SECTION 1D (Castle Street to Haymarket)**

**5.1.2.1 Castle Street to Lothian Road**

**Progress**

Completion of outstanding works including track joint sealing, drainage, duct chamber construction, resolution of ponding and reinstatement of centre reserve, has continued in the period.

A 4 week loss in the period results in an anticipated completion date of 12 Jun 12.

**Issues and Concerns**

Clarification of granite setts specification required.  
Resolution of power supplies to streetlighting required.

**Planned Commencement of New Activities in Next Reporting Period**

Track joint sealing, drainage, duct chamber construction, completion of OLE foundations, resolution of ponding, reinstatement of centre reserves and installation of streetlighting.

**5.1.2.2 Lothian Road to Stafford Street Ch130380-Ch130600 (SP1)**

**Progress**

Bulk excavation to track form has been completed.

Following issue of revised drainage details construction of drainage works has commenced.

A 15 week loss in the period results in an anticipated completion date of 13 Nov 12.

Mitigation measures including resequencing of activities, revised construction methods and collaborative working with utility contractors will continue to be implemented to minimise the delay to this section of work.

**Issues and Concerns**

Locating, proving and diverting of utilities continues to delay and disrupt Infraco activities. (Refer to Minutes of Weekly Delay Tracker and Access Maps for further details).

Solution on carriageway construction required.

**Planned Commencement of New Activities in Next Reporting Period**

Track form construction, drainage and duct works.

**5.1.2.3 Stafford Street to Manor Place Chainage 130600 – Chainage 130880 (SP4)**

**Progress**

No activities were carried out during the period

A 12 week loss in the period results in an anticipated completion date of 29 Apr 13.

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Mitigation measures including resequencing of activities, revised construction methods and collaborative working with utility contractors will continue to be implemented to minimise the delay to this section of work.

**Issues and Concerns**

Locating, proving and diverting of utilities continues to delay and disrupt Infraco activities. (Refer to Minutes of Weekly Delay Tracker and Access Maps for further details).

Solution on carriageway construction required.

Clarification of granite setts specification required.

**Planned Commencement of New Activities in Next Reporting Period**

None.

**5.1.2.4 Manor Place to Palmerston Place Chainage 13088 – Chainage 130990 (SP2/SP5/SP6/SP7)**

**Progress**

No activities were carried out during the period

A 14 week loss in the period results in an anticipated completion date of 17 Feb 14.

Mitigation measures including resequencing of activities, revised construction methods and collaborative working with utility contractors will continue to be implemented to minimise the delay to this section of work.

**Issues and Concerns**

Locating, proving and diverting of utilities continues to delay and disrupt Infraco activities. (Refer to Minutes of Weekly Delay Tracker and Access Maps for further details).

Solution on carriageway construction required.

Clarification of granite setts specification required.

**Planned Commencement of New Activities in Next Reporting Period**

None.

**Palmerston Place to Grosvenor Street Chainage 130990 – Chainage 131100 (H3)**

**Progress**

No activities were carried out during the period

A 15 week loss in the period results in an anticipated completion date of 11 Sep 13.

Mitigation measures including resequencing of activities, revised construction methods and collaborative working with utility contractors will continue to be implemented to minimise the delay to this section of work.

**Issues and Concerns**

Locating, proving and diverting of utilities continues to delay and disrupt Infraco activities. (Refer to Minutes of Weekly Delay Tracker and Access Maps for further details).

Solution on carriageway construction required.

Clarification of granite setts specification required.

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**Issues and Concerns**

Resolution of SW connection details to existing infrastructure required.

**Planned Commencement of New Activities in Next Reporting Period**

None.

**5.1.3.5 Roseburn Junction**

**Progress**

No construction activities have been carried out during the period.  
A 10 week gain in the period results in an anticipated completion date of 19 Oct 12.

**Issues and Concerns**

Resolution of SW connection details to existing infrastructure required.

**Planned Commencement of New Activities in Next Reporting Period**

None.

**5.1.4 SECTION 5A (Roseburn Junction to Balgreen)**

**5.1.4.1 Russell Road Bridge**

**Progress**

Wing wall construction to both abutments has continued.  
A 2 week loss in the period results in an anticipated completion date of 10 Aug 12.

**Issues and Concerns**

Solution required for design of oil Interceptor.

**Planned Commencement of New Activities in Next Reporting Period**

Construction of wing walls will continue and erection of deck falsework will commence.

**5.1.4.2 Russell Road Retaining Walls W4**

**Progress**

**Units 1-9**

Drainage and backfilling of walls has been completed.  
Erection of Parapet has been completed.  
A 3 week loss in the period results in an anticipated completion date of 18 May 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

None – structure substantially complete.

**Progress**

**Units 19-29**

Installation of temporary works for pile cap construction has continued.

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A 3 week loss in the period results in an anticipated completion date of 20 Dec 12.

**Issues and Concerns**

As a result of movements/settlements within Scotrail depot infrastructure, installation of the temporary works have been suspended.  
An alternative method of piling is currently being considered which may reduce the impact on the depot infrastructure.

**Planned Commencement of New Activities in Next Reporting Period**

Completion of temporary works.  
Excavation to formation and trimming of piles.

**5.1.4.3 Russell Road Retaining Walls W3**

**Progress**

**W3A**

No activities have been carried out.  
A 2 week loss in the period results in an anticipated completion date of 14 Nov 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

None.

**Progress**

**W3B**

Preparation of piling platform has been completed and installation of permanent piles has commenced.  
A 0 week gain/loss in the period results in an anticipated completion date of 16 Oct 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

Completion of piling and commencement of pile caps.

**Progress**

**W3C**

No activities were planned for the period.  
A 0 week gain/loss in the period results in an anticipated completion date of 1 Oct 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

Excavation to formation.  
Reinforced concrete base construction.

Street lighting.  
Systems. Different app

**Progress**  
**S505**

No activities have been carried out during the period.  
A 12 week gain in the period results in an anticipated completion date of 14 Dec 12.

**Issues and Concerns**

Installation of temporary sheet piles will be delayed as a result of delay caused by the movement of Network Rail OLE infrastructure adjacent to structure 21C.

**Planned Commencement of New Activities in Next Reporting Period**

Installation of temporary sheet piles and commencement of ground improvement works are scheduled to commence in the period.

**5.1.4.8 Murrayfield Retaining Wall 21B**

**Progress**

Preparation of temporary works piling platform has been completed.  
A 11 week gain in the period results in an anticipated completion date of 8 Nov 12.

**Issues and Concerns**

Installation of temporary sheet piles have been delayed as a result of delay caused by the movement of Network Rail OLE infrastructure adjacent to structure 21C.

**Planned Commencement of New Activities in Next Reporting Period**

Installation of temporary sheet piling and commencement of ground improvement works.

**5.1.4.9 Murrayfield Stadium Underpass 21C**

**Progress**

Preparation of temporary works piling platform has been completed and installation of piles has commenced.  
A 1 week loss in the period results in an anticipated completion date of 6 Sep 12.

**Issues and Concerns**

Sheet piling works have been delayed by the movement of Network Rail OLE infrastructure adjacent to this structure.

**Planned Commencement of New Activities in Next Reporting Period**

Completion of temporary pile installation and commencement of ground improvement works.

**5.1.4.10 Murrayfield Retaining Walls 21D**

**Progress**

Construction of reinforced earth slopes has commenced in the period.  
A 2 week loss in the period results in an anticipated completion date of 6 Sep 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

None.

**5.1.4.11 Water of Leith Bridge 21E**

**Progress**

**East Abutment**

Following Network Rails tamping of their asset adjacent to this structure, works recommenced on excavation to formation of bearing shelf.  
A 3 week loss in the period results in an anticipated completion date of 27 Nov 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

Construction of reinforced earth support to bankseat, and formwork reinforcement and concrete works to bankseat.

**Progress**

**Centre Pier**

Base construction has been completed, columns and crosshead beam have been cast.  
A 0 week gain/loss in the period results in an anticipated completion date of 18 May 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

None. Pier now available to accept steelwork.

**Progress**

**West Abutment**

Following Network Rails tamping of their asset adjacent to this structure, works recommenced on excavation to formation of bearing shelf.  
A 3 week loss in the period results in an anticipated completion date of 12 Dec 12.

**Issues and Concerns**

None.

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**Planned Commencement of New Activities in Next Reporting Period**  
None.

#### 5.1.4.17 Balgreen Road Tram Stop

##### Progress

No activities were planned for the period.

A 3 week loss in the period results in an anticipated completion date of 19 Nov 12.

##### Issues and Concerns

A revised programme, which considers a resequencing of activities within this section of work, has been implemented to mitigate the delay.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

#### 5.1.4.18 Jenners Sub Station

##### Progress

Blockwork to form cable routes has been completed, 2<sup>nd</sup> stage slab has been cast and housing has been delivered and installed.

A 7 week gain in the period results in an anticipated completion date of 29 May 12.

##### Issues and Concerns

None.

**Planned Commencement of New Activities in Next Reporting Period**  
None. Civils work substantially complete.

#### 5.1.5 SECTION 5B (Balgreen to Edinburgh Park Central)

##### 5.1.5.1 Trackwork Balgreen to Carrick Knowe

##### Progress

Drainage activities have continued in the period.

Preparation of track formation has continued in the period.

Piling works and formwork reinforcement and concreting to OLE foundations has been completed.

Surfacing of footways has continued.

Blinding concrete and placing of lower ballast to trackwork has continued.

A 3 week loss in the period results in an anticipated completion date of 20 Aug 12.

##### Issues and Concerns

None.

**Planned Commencement of New Activities in Next Reporting Period**  
Completion of footways.  
Laying of track and placing of second stage concrete to rheda areas.

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##### 5.1.5.2 Carrick Knowe Bridge

##### Progress

Structural backfill to NE & NW wingwalls has been completed.

A 4 week loss in the period results in an anticipated completion date of 9 Aug 12.

##### Issues and Concerns

None.

**Planned Commencement of New Activities in Next Reporting Period**

Track plinths to deck.

Remedials to track plinths previously cast.

Reinforced concrete elements to south abutment.

##### 5.1.5.3 Trackwork Carrick Knowe to Guided Busway

##### Progress

Landscape fill and 2<sup>nd</sup> stage earthworks have commenced

A 1 week loss in the period results in an anticipated completion date of 20 Nov 12.

##### Issues and Concerns

None.

**Planned Commencement of New Activities in Next Reporting Period**

Track drainage and duct work.

##### Guided Bus Way

##### Progress

Site clearance works have commenced.

##### Issues and Concerns

None.

**Planned Commencement of New Activities in Next Reporting Period**

Tram duct work.

##### 5.1.5.4 Saughton Road North Tram Stop

##### Progress

Foundation works to platforms and paving finishes have been completed in the period.

Access footpath construction to tram stop continued in the period.

A 4 week loss in the period results in an anticipated completion date of 14 May 12.

##### Issues and Concerns

None.

**Planned Commencement of New Activities in Next Reporting Period**

None.



#### 5.1.5.11 Edinburgh Park Station Tram Stop

##### Progress

Platform foundation works have been completed and paving finishes have continued.

A 10 week loss in the period results in an anticipated completion date of 28 Jan 13.

##### Issues and Concerns

None.

##### Planned Commencement of New Activities in Next Reporting Period

None.

#### 5.1.5.12 Trackwork Edinburgh Park to Edinburgh Park Central

##### Progress

Drainage works are ongoing.

Installation of track duct work has continued.

Piling to OLE foundations has continued.

A 3 week gain in the period results in an anticipated completion date of 18 Jan 13.

##### Issues and Concerns

None.

##### Planned Commencement of New Activities in Next Reporting Period

Track formation works

#### 5.1.5.13 Edinburgh Park Bridge

##### Progress

No activities were carried out during the period.

A 4 week loss in the period results in an anticipated completion date of 12 Jun 12.

##### Issues and Concerns

Extent of remedials will be reviewed upon completion of direct fix trackslab to Carrick Knowe.

##### Planned Commencement of New Activities in Next Reporting Period

Survey work to establish extent of remedials.

#### 5.1.5.14 Edinburgh Park Central Tram Stop

##### Progress

No activities were planned for the period.

A 3 week gain in the period results in an anticipated completion date of 28 Jan 13.

##### Issues and Concerns

None.

##### Planned Commencement of New Activities in Next Reporting Period

Duct work and platform foundation work

#### 5.1.6 SECTION 5C (Edinburgh Park Central to Gogarburn)

##### 5.1.6.1 Trackwork Edinburgh Park Central to Lochside Avenue

##### Progress

Drainage works are ongoing.

Installation of track duct work has continued.

Piling to OLE foundations has continued.

A 20 week loss in the period results in an anticipated completion date of 25 Feb 13.

##### Issues and Concerns

None.

##### Planned Commencement of New Activities in Next Reporting Period

Track formation.

##### 5.1.6.2 Trackwork Lochside Avenue

##### Progress

Drainage and duct crossings have continued in the period

Reprofiling surfacing works have continued

A 20 week loss in the period results in an anticipated completion date of 25 Feb 13.

##### Issues and Concerns

Resolution of SW connection details to existing infrastructure required.

Solution required on clean water installation not accepted by SW.

##### Planned Commencement of New Activities in Next Reporting Period

None.

##### 5.1.6.3 Trackwork Broadway to Gyle Centre Tram Stop

##### Progress

Piling to OLE has been completed.

Drainage and duct work activities have continued.

A 20 week loss in the period results in an anticipated completion date of 25 Feb 13.

##### Issues and Concerns

Resolution of SW connection details to existing infrastructure required.

Resolution of OLE clash with existing utilities required.

##### Planned Commencement of New Activities in Next Reporting Period

Track formation work.

##### 5.1.6.4 Gyle Centre Tram Stop

##### Progress

No activities are planned for the period.

A 20 week loss in the period results in an anticipated completion date of 2 Apr 13.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**5.1.4.17 Balgreen Road Tram Stop**

**Progress**

No activities were planned for the period.

A 3 week loss in the period results in an anticipated completion date of 19 Nov 12.

**Issues and Concerns**

A revised programme, which considers a resequencing of activities within this section of work, has been implemented to mitigate the delay.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**5.1.4.18 Jenners Sub Station**

**Progress**

Blockwork to form cable routes has been completed, 2<sup>nd</sup> stage slab has been cast and housing has been delivered and installed.

A 7 week gain in the period results in an anticipated completion date of 29 May 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**  
None. Civils work substantially complete.

**5.1.5 SECTION 5B (Balgreen to Edinburgh Park Central)**

**5.1.5.1 Trackwork Balgreen to Carrick Knowe**

**Progress**

Drainage activities have continued in the period.

Preparation of track formation has continued in the period.

Piling works and formwork reinforcement and concreting to OLE foundations has been completed.

Surfacing of footways has continued.

Blinding concrete and placing of lower ballast to trackwork has continued.

A 3 week loss in the period results in an anticipated completion date of 20 Aug 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**  
Completion of footways.  
Laying of track and placing of second stage concrete to rheda areas.

**5.1.5.2 Carrick Knowe Bridge**

**Progress**

Structural backfill to NE & NW wingwalls has been completed.

A 4 week loss in the period results in an anticipated completion date of 9 Aug 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

Track plinths to deck.

Remedials to track plinths previously cast.

Reinforced concrete elements to south abutment.

**5.1.5.3 Trackwork Carrick Knowe to Guided Busway**

**Progress**

Landscape fill and 2<sup>nd</sup> stage earthworks have commenced

A 1 week loss in the period results in an anticipated completion date of 20 Nov 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

Track drainage and duct work.

**Guided Bus Way**

**Progress**

Site clearance works have commenced.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

Tram duct work.

**5.1.5.4 Saughton Road North Tram Stop**

**Progress**

Foundation works to platforms and paving finishes have been completed in the period.

Access footpath construction to tram stop continued in the period.

A 4 week loss in the period results in an anticipated completion date of 14 May 12.

**Issues and Concerns**

None.

**Planned Commencement of New Activities in Next Reporting Period**

None.

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**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**5.1.7.2 Section 7A Gogarburn to Airport**

**Trackwork Mini Test Track to Gogar Landfill Site**

**Progress**

Construction of reinforced earth wall has continued in the period.  
A 5 week loss in the period results in an anticipated completion date of 13 Jun 12.

**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
Drainage and duct work.

**5.1.7.3 Trackwork Gogarburn Tram Stop to Gogarburn Bridge**

**Progress**

Reinforced earthworks and drainage activities have continued.  
Track work formation works have commenced.  
A 2 week gain in the period results in an anticipated completion date of 27 Aug 12.

**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**Trackwork Gogarburn to Ingliston Chainage 400 – Chainage 800**

**Progress**

Earthworks and drainage activities have continued on the NIL works.  
Surfacing to Gogar Farm road has continued.  
Future proofing tram stop works have commenced.  
Track work formation works have commenced.  
A 3 week loss in the period results in an anticipated completion date of 29 May 12.

**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**Trackwork Gogarburn Bridge to Ingliston Chainage 800 – Chainage 1750**

**Progress**

Trimming of lower ballast has continued.

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A 6 week gain in the period results in an anticipated completion date of 7 Jun 12.

**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**5.1.7.4 Ingliston Tram Stop**

**Progress**

Foundation works to platform have continued.  
A 10 week gain in the period results in an anticipated completion date of 17 May 12.

**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
Platform paving works.

**5.1.7.5 Ingliston Sub Station**

**Progress**

Sub Station now substantially complete.

**Issues and Concerns**  
None.

**Planned Commencement of New Activities in Next Reporting Period**  
None.

**5.1.7.6 Trackwork Ingliston Park & Ride to Eastfield Avenue**

**Progress**

Track work and Civils work have been completed at Eastfield Avenue.  
A 1 week gain in the period results in an anticipated completion date of 1 Nov 12.

**Issues and Concerns**

This activity is currently on the critical path leading to the Section B Completion. A revised programme which considers a resequencing of activities within this section of work, has been implemented to mitigate the delay on this element of work.

**Planned Commencement of New Activities in Next Reporting Period**  
NIL works in area of diverted gas main.

**5.1.7.7 Trackwork Eastfield Avenue to Airport**

**Progress**

No activities were carried out during the period.  
A 1 week gain in the period results in an anticipated completion date of 1 Nov 12.

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Issues and Concerns:  
None.

**TLC** Progress:  
South St Davids Street - Temporary signals to be replaced with permanent signals following site readiness  
Fredrick Street - Temporary signals to be replaced with permanent signal.  
Charlotte Street - Temporary signals located at OLE #7. ASL Loop & CSL Loop. Outstanding duct work required prior to traffic loop installation  
Castle Street - No BT comms at this site. Castle Street not under UTC Control. Scottish power has been instructed to terminate old supply into new TSCC. Order raised. 8 weeks lead time to complete these works.

Issues and Concerns:  
None.

**Planned Commencement of New Activities in Next Reporting Period:**

OLE	Princes Street: Installing Cantilevers
TPS	No works planned
TRW	No works planned
SIG/	No works planned
COM/SCADA	No works planned
HV/LV	No works planned
TLC	No works planned

**5.2.2 SECTION 1D (Castle Street to Haymarket)**

**Progress & Issues and Concerns**

**OLE** Progress:  
Princes Street: 11 OLE poles erected to the end of the reporting period.

Issues and Concerns:  
None

**TPS** Progress:  
No activities were planned for the period.

Issues and Concerns:  
None.

**TRW** Progress:  
No activities were planned for the period.

Issues and Concerns:  
Shallow utilities that cannot be / have not been relocated to lower levels may influence the construction programme.

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**SIG/** Progress:  
No activities were planned for the period.

Issues and Concerns:  
None.

**COM/SCADA** Progress:  
No activities were planned for the period.

Issues and Concerns:  
None.

**HV/LV** Progress:  
No activities were planned for the period.

Issues and Concerns:  
None.

**TLC** Progress:  
No activities were planned for the period.

Issues and concerns:  
None.

**Planned Commencement of New Activities in Next Reporting Period:**

OLE	Princes Street: Installing cantilevers
TPS	No works planned
TRW	Princes Street: Joint sealing installation ongoing
SIG/	No works planned
COM/SCADA	No works planned
HV/LV	No works planned
TLC	No works planned

**5.2.3 SECTION 2A (Haymarket to Roseburn Junction)**

**Progress & Issues and Concerns**

**OLE** Progress:  
Haymarket: 9 poles erected to end of reporting period..

Issues and Concerns:  
None.

**TPS** Progress:  
No activities were planned for the period.

Issues and Concerns:  
None.

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**Planned Commencement of New Activities in Next Reporting Period:**

OLE No works planned  
 TPS No works planned  
 TRW No works planned  
 SIG/ No works planned  
 COM/SCADA No works planned  
 HV/LV No works planned  
 TLC No works planned

**5.2.5 SECTION 5B (Balgreen to Edinburgh Park Central)**

**Progress & Issues and Concerns**

OLE Progress:  
 No activities were planned for the period.

Issues and Concerns:  
 None.

TPS Progress:  
 Installation works at Bankhead Sub Station are complete. Substation is ready for testing and commissioning. Installation works have commenced at Jenners (Balgreen) Substation.

Issues and Concerns:  
 None

TRW Progress:  
 No activities were planned for the period.

Issues and Concerns:  
 None.

SIG/ Progress:  
 No activities were planned for the period.

Issues and Concerns:  
 None.

COM/SCADA Progress:  
 SAT of Bankhead substation DC Charger and COMS node UPS complete 17<sup>th</sup> April 2012.

Bankhead Substation Radio Base Station Enclosure to be removed from site to Broxburn stores on 3<sup>rd</sup> May 12. New unit in Dark Olive to be delivered mid June 2012.

COM materials delivered to Jenners substation 17<sup>th</sup> April 2012.

Issues and Concerns:

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None.

HV/LV

Progress:  
 Ducting across Bankhead drive to Edinburgh Park Station installed 22<sup>nd</sup> April 12. Awaiting date from SPEN when cable and fuse cut-out will be installed.

LV supply cable to Jenners substation installed 27<sup>th</sup> April 2012. Await installation of SSE electricity meter 16<sup>th</sup> May 2012 before site generator can be released.

HV Cable works with Bankhead Substation with the exception of HV meter install and Point of Connection complete 13<sup>th</sup> April 2012. HV meter and POC delayed at request of client to avoid £1300/month standing charge.

HV Cable works associated with Jenners substation with the exception of HV meter install and Point of Connection due to be complete by 16<sup>th</sup> May 2012. HV meter and POC delayed at request of CEC to avoid £1300/month standing charge.

Issues and Concerns:  
 None.

TLC

Progress:  
 No activities were planned for the period.

Issues and Concerns:  
 None.

**Planned Commencement of New Activities in Next Reporting Period:**

OLE No works planned  
 TPS No works planned  
 TRW Track installation between Balgreen Rd and Carrick Knowe  
 SIG/ No works planned  
 COM/SCADA Edinburgh Park Station Tramstop Equipment Cabinet delivery  
 HV/LV Edinburgh Park Station Tramstop TEC LV supply termination  
 TLC No works planned

**5.2.6 SECTION 5C (Edinburgh Park Central to Gogarburn)**

**Progress & Issues and Concerns**

OLE Progress:  
 No activities were planned for the period.

Issues and Concerns:  
 None.

TPS

Progress:

5.2.8 Section 7A Gogarburn to Airport

**Progress & Issues and Concerns**

OLE	<p><u>Progress:</u> No activities were planned for the period.</p> <p><u>Issues and Concerns:</u> None.</p>
TPS	<p><u>Progress:</u> Installation works at Ingliston Park &amp; Ride Sub Station are complete. Sub Station is ready for testing and commissioning.</p> <p><u>Issues and Concerns:</u> None.</p>
TRW	<p><u>Progress:</u> Track installation continues in various locations.</p> <p><u>Issues and Concerns:</u> None</p>
SIG/	<p><u>Progress:</u> No activities were planned for the period.</p> <p><u>Issues and Concerns:</u> None.</p>
COM/SCADA	<p><u>Progress:</u> No activities were planned for the period.</p> <p><u>Issues and Concerns:</u> Earth Loop Impedance testing of IPR substation to be carried out.</p>
HV/LV	<p><u>Progress:</u> HV Cable works associated with IPR substation with the exception of HV meter installed and Point of Connection (POC) completed 20 April 12. HV meter and POC delayed at request of CEC to avoid £1300/month standing charge.</p> <p><u>Issues and Concerns:</u> None.</p>
TLC	<p><u>Progress:</u> Civil works have progressed for Junction 210.</p> <p><u>Issues and Concerns:</u> None.</p>

**Planned Commencement of New Activities in Next Reporting Period:**

OLE	Pole erection within Section 7 is to be integrated with ongoing trackworks
TPS	No works planned
TRW	Track installation
SIG/	No works planned
COM/SCADA	IPR PA Induction loops due to be installed 9 <sup>th</sup> May
HV/LV	No works planned
TLC	No works planned

**6 TESTING AND COMMISSIONING**

**6.1 Testing and Commissioning**

**6.1.1 Plan and Programme**

Revision A of the T&C Plan for Airport to York Place (Initial Phase 1a) is expected to be submitted for review on 30<sup>th</sup> April 2012. The T&C Programme for Section B is being prepared and will be issued early May 2012.

**6.1.2 Progress**

Structure Gauge Report for Depot and Mini Test Track was issued for information on 13<sup>th</sup> April 2012. Awaiting CEC's agreement to Infraco rectification proposals to infringements encountered in the tested sections..



Site Acceptance Testing of DC Charger and UPS systems in Bankhead Drive substation were conducted 17<sup>th</sup> to 18<sup>th</sup> April 2012 and for the COM-SCA Integrated Voice Unit Subsystem (IVU) in Depot on 3<sup>rd</sup> April 2012.

**Planned commencement of new activities in next reporting period**

T&C Programme for Section C.  
No SAT/SIT activities planned.

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**10 APPENDICES**

**10.1 Contractor Period HS&E Return**

*To be completed and returned to Colin Happer (colin.happer@edinburghtrams.com) by the Thursday of week 1 for each period.*

RETURN DATA			
Contractor –	<input type="text" value="BBS"/>	Date completed –	<input type="text" value="28/04/2012"/>
Year –	<input type="text" value="2012"/>	Period –	<input type="text" value="5-1"/>
PEOPLE DATA			
Average number of direct employees on ETP –	<input type="text" value="96"/>	Hours worked of direct employees on ETP –	<input type="text" value="16850"/>
Average number of subcontract / others inc visitors on ETP –	<input type="text" value="420"/>	Hours worked of subcontract / others inc visitors on ETP –	<input type="text" value="73724"/>
Number of work sites –	<input type="text" value="20"/>		
INCIDENT DATA (leave blank if none)			
	DIRECT	SUBCON	M.O.P.
Fatal	<input type="text"/>	<input type="text"/>	<input type="text"/>
Major	<input type="text"/>	<input type="text"/>	<input type="text"/>
Over 3 day	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dangerous Occurrence	<input type="text"/>	<input type="text"/>	<input type="text"/>
Reportable Disease	<input type="text"/>	<input type="text"/>	<input type="text"/>
Injury – Non RIDDOR	<input type="text"/>	<input type="text"/>	<input type="text"/>
Near Miss/ Unsafe Condition	<input type="text"/>	<input type="text" value="5"/>	<input type="text" value="1"/>
Service Damage	<input type="text"/>	<input type="text" value="2"/>	<input type="text"/>
RTA (in and around ETP)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Positive intervention (if measured)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Environmental Incident	<input type="text"/>	<input type="text"/>	<input type="text"/>
ENFORCEMENT NOTICE / VISIT DATA			
	NOTICE	VISIT	
H.S.E Enforcement	<input type="text"/>	<input type="text"/>	
SEPA	<input type="text"/>	<input type="text" value="1"/>	
Local Authority	<input type="text"/>	<input type="text"/>	
Other	<input type="text"/>	<input type="text"/>	
CONTRACTOR AUDIT / INSPECTION DATA			
	PLANNED	ACTUAL	
Inspections	<input type="text" value="32"/>	<input type="text" value="30"/>	
Audits	<input type="text" value="1"/>	<input type="text"/>	

































infracore Works Commenced/Completed during the Period: 5/01 (ref. Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Start Rev.4	Actual Start	Note
01D Princes Street (inc.) to Haymarket (exc.)		03-Apr-12	09-Apr-12 A	
Shandwick Place / Haymarket Junction (Sections 1D Ch.130,380 to 2A Ch.200,030)		03-Apr-12	09-Apr-12 A	
Phase SP1 2,3,4,5,6,7. Ch.130,380 - 130,390 (Palmerston Place - Princes Street)		03-Apr-12	16-Apr-12 A	
Phase SP1 - Inbound Ch.130,870 - 130,380 (Crescents to Princes Street)		03-Apr-12	16-Apr-12 A	
Drainage & Ducts		03-Apr-12	16-Apr-12 A	
1D-14G-SP1-487	Outfall Connections	03-Apr-12	16-Apr-12 A	
Phase SP2 - Outbound Ch.130,960 - 130,960 (Palmerston Place - Crescents)		11-Apr-12	16-Apr-12 A	
Drainage & Ducts		11-Apr-12	16-Apr-12 A	
1D-14V-SP2-527	Outfall Connections	11-Apr-12	19-Apr-12 A	
1D-14V-SP2-528	Drainage to Discharge Points	17-Apr-12	23-Apr-12 A	
Haymarket Ch.131,260 - 131,060		14-Sep-12	09-Apr-12 A	
Phase H2 - Haymarket Station frontage and approach to Viaduct		14-Sep-12	16-Apr-12 A	
Drainage & Ducts		14-Sep-12	16-Apr-12 A	
1D-14G-H2-677	Drainage to Discharge Points	14-Sep-12	16-Apr-12 A	
Phase H3B - Ch.131,100 - 130,960 (West Maitland Street)		08-Oct-12	09-Apr-12 A	
Drainage & Ducts		08-Oct-12	09-Apr-12 A	
1D-14MH-H3B-668	Investigate services / outfall positions / inlet-outlet positions / levels	08-Oct-12	09-Apr-12 A	
1D-14MN-H3B-660	Drainage to Discharge Points	12-Oct-12	16-Apr-12 A	

Commenced in Period to 12/04/28

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03/05/2012

infracore Works Commenced/Completed during the Period: 5/01 (ref. Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Start Rev.4	Actual Start	Note
SECTION 05 ROSEBURN JUNCTION TO GOGAR		02-Apr-12	02-Apr-12 A	
05A Roseburn Junction (exc.) to Balgreen Road (inc.)		02-Apr-12	02-Apr-12 A	
Roseburn Junction (exc.) to Murrayfield Stadium (inc.)		02-Apr-12	23-Apr-12 A	
Russell Road Retaining Walls (W3 and W4)		02-Apr-12	23-Apr-12 A	
Construction		02-Apr-12	23-Apr-12 A	
Retaining Wall W4A units 1 to 9		02-Apr-12	23-Apr-12 A	
5A-12-W4A-60	Finishes	02-Apr-12	23-Apr-12 A	
Retaining Wall W4D units 19 to 29		02-Apr-12	23-Apr-12 A	
5A-12-W4D-40	Units 24 to 29	02-Apr-12	23-Apr-12 A	
Murrayfield Stadium (exc.) to Balgreen Road (inc.)		02-Apr-12	02-Apr-12 A	
Roseburn Street Viaduct (S21A)		19-Apr-12	16-Apr-12 A	
Construction		19-Apr-12	16-Apr-12 A	
Structure 8504		19-Apr-12	16-Apr-12 A	
Super-Structure		19-Apr-12	16-Apr-12 A	
5A-11-S21A-504-60	East Abutment Stem	19-Apr-12	16-Apr-12 A	
Murrayfield Retaining Walls (S21B)		06-Apr-12	23-Apr-12 A	
Construction		06-Apr-12	23-Apr-12 A	
5A-11-S21B-61(3)19	Temporary Enabling Works	09-Apr-12	23-Apr-12 A	
Murrayfield Retaining Walls (S21D)		23-Apr-12	24-Apr-12 A	
Construction		23-Apr-12	24-Apr-12 A	
5A-11-S21D-61(3)	Sheet Piling	23-Apr-12	24-Apr-12 A	
5A-11-S21D-62(3)19	Green Slope	08-May-12	16-Apr-12 A	
Balgreen Road Bridge (S22A)		24-Apr-12	16-Apr-12 A	
West Abutment		24-Apr-12	10-Apr-12 A	
5A-11-S22A-260(3)	Columns	24-Apr-12	10-Apr-12 A	
Network Rail Access Bridge (S22B)		02-Apr-12	27-Apr-12 A	
Network Rail Submissions & Approval		02-Apr-12	27-Apr-12 A	
5A-11-S22B-14(3)	Mobile crane working platform to remove extg bridge (Form C)	02-Apr-12	27-Apr-12 A	
5A-11-S22B-18(3)	Demolition of existing bridge (WPP)	01-May-12	27-Apr-12 A	
Balgreen Road Retaining Wall - W9		02-Apr-12	02-Apr-12 A	
Constraints / Procedures / Documentation / Approvals		02-Apr-12	02-Apr-12 A	
5A-11-W9-710	Prepare Method Statements & Risk Assessment	02-Apr-12	02-Apr-12 A	
5A-11-W9-720	Statelholder Notifications (including Traffic Management)	02-Apr-12	02-Apr-12 A	
5A-11-W9-730	Apply for 3rd Party Licence	02-Apr-12	02-Apr-12 A	
Jefferies Depository Sub Station		31-May-12	16-Apr-12 A	

Commenced in Period to 12/04/28

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03/05/2012

Infraco Works Commenced/Completed during the Period: 5.01 (ref. Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Start Rev.4	Actual Start	Note
06C Edinburgh Park Central (exc.) to Gogarburn (inc.)		02-Apr-12	02-Apr-12 A	
Dalrymple Stop (exc.) to Gogarburn (inc.)		02-Apr-12	02-Apr-12 A	
Gogarburn Tram Stop		02-Apr-12	02-Apr-12 A	
EC-02-TRMS-80	Civil Engineering and Building Works	02-Apr-12	02-Apr-12 A	

Infraco Works Commenced/Completed during the Period: 5.01 (ref. Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Start Rev.4	Actual Start	Note
<b>SECTION 07 GOGARBURN TO EDINBURGH AIRPORT</b>				
07A Gogarburn (exc.) to Edinburgh Airport (inc.)		16-Apr-12	02-Apr-12 A	
Gogarburn (exc.) to Ingliston Park & Ride (inc.)		16-Apr-12	02-Apr-12 A	
Trackwork (1750m)		20-Apr-12	02-Apr-12 A	
Gogarburn Landfill Site (Gogarburn Tram Stop to Bridge Ch D to 400)		20-Apr-12	02-Apr-12 A	
7A-04-TRCK-81	Roadworks	28-Jun-12	23-Apr-12 A	
Gogarburn Bridge to Ingliston Tram Stop Ch 800 to 1750		20-Apr-12	02-Apr-12 A	
7A-04-TRCK-96	Top Ballast	20-Apr-12	02-Apr-12 A	
Ingliston Park & Ride (exc.) to Edinburgh Airport (inc.)		16-Apr-12	02-Apr-12 A	
Trackwork (833m)		16-Apr-12	02-Apr-12 A	
EAL Programme		16-Apr-12	02-Apr-12 A	
Phase B		16-Apr-12	09-Apr-12 A	
7A-05-W14B-38(3)	OLE Foundations / Street Lighting	16-Apr-12	09-Apr-12 A	
Phase C		16-Apr-12	02-Apr-12 A	
7A-05-W14C-20(3)	Section 1 (Riv)	16-Apr-12	02-Apr-12 A	

Infraco Works Commenced/Completed during the Period: 5:01 (Ref. Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Finish Rev.4	Actual Finish	Note
<b>SECTION 2 HAYMARKET CORRIDOR</b>				
02A Haymarket Corridor				
Haymarket (inc.) to Roseburn Junction (inc.)				
Trackwork (1135m)				
Construction				
Haymarket Yards				
Phase 2 Ch 110 to 250 inbound, 225 outbound				
2A-13B-TRCK-690	Roadworks	21-Oct-11	16-Apr-12 A	
Phase 4 Ch 207 to 250 (Outbound)				
2A-13B-TRCK-420	Excavate	16-Apr-12	27-Apr-12 A	
2A-13B-TRCK-440	Drainage	28-Mar-12	25-Apr-12 A	
2A-13B-TRCK-400	Plane Out Surfacing	03-Apr-12	02-Apr-12 A	
2A-13B-TRCK-410	Tram Ducts	11-Apr-12	24-Apr-12 A	
2A-13B-TRCK-430	OLE Bases	16-Apr-12	27-Apr-12 A	
Off Street				
2A-13-TRCK-60	Drainage	06-Dec-11	27-Apr-12 A	
2A-13-TRCK-50(3)	OLE Foundations & Ducts	06-Dec-11	27-Apr-12 A	

Completed in Period to 120428

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Infraco Works Commenced/Completed during the Period: 5:01 (Ref. Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Finish Rev.4	Actual Finish	Note
<b>SECTION 06 ROSEBURN JUNCTION TO GOGAR</b>				
06A Roseburn Junction (exc.) to Balgreen Road (inc.)				
Roseburn Junction (exc.) to Murrayfield Stadium (inc.)				
Russell Road Underbridge (S20)				
Network Rail Form C Submission & Approval				
5A-12-S20-14(3)	Ducting and drainage (MPP)	23-Jul-12	23-Apr-12 A	
Russell Road Retaining Walls (W3 and W4)				
Construction				
Retaining Wall W4A units 1 to 9				
5A-12-W4A-50	Drainage & Backfill	01-May-12	02-Apr-12 A	
Murrayfield Stadium (exc.) to Balgreen Road (inc.)				
Roseburn Street Viaduct (S21A)				
Network Rail Submissions & approval				
5A-11-S21A-18(3)	S504 Bridge Beam Working Crane Platform (Form C)	04-Jul-12	04-Apr-12 A	
5A-11-S21A-23(3)	Ducting and drainage (MPP)	06-Mar-13	23-Apr-12 A	
Construction				
Structure S504				
Super-Structure				
5A-11-S21A-504-50	West Abutment Stem	08-May-12	18-Apr-12 A	
5A-11-S21A-504-50	East Abutment Stem	25-May-12	28-Apr-12 A	
5A-11-S21A-504-50	Wing Walls	03-Aug-12	28-Apr-12 A	
Murrayfield Retaining Walls (S21B)				
Construction				
5A-11-S21B-51(3)10	Temporary Enabling Works	14-Sep-12	23-Apr-12 A	
5A-11-S21B-31	Site Clearance	04-May-12	20-Apr-12 A	
Murrayfield Retaining Walls (S21D)				
Construction				
5A-11-S21D-51(3)	Sheet Piling	04-May-12	04-Apr-12 A	
Balgreen Road Bridge (S22A)				
West Abutment				
5A-11-S22A-240(3)	Bored Piling / Excavation / Testing	14-May-12	04-Apr-12 A	
Balgreen Road Retaining Wall - W9				
Constraints / Procedures / Documentation / Approvals				
		02-Apr-12	02-Apr-12 A	

Completed in Period to 120428

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InfraCo Works Commenced/Completed during the Period: 5.01 (ref: Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Finish Rev.4	Actual Finish	Note
06C Edinburgh Park Central (exc.) to Gogarburn (inc.)		30-Apr-12	18-Apr-12 A	
Edinburgh Park (exc.) to Gyle Centre (inc.)		24-Apr-12	06-Apr-12 A	
Trackwork (780m)		24-Apr-12	06-Apr-12 A	
Construction		24-Apr-12	06-Apr-12 A	
SC-06-TRCK-31(3)	Additional Earthworks	24-Apr-12	06-Apr-12 A	
Gyle Centre (exc.) to Depot Stop (inc.)		30-Apr-12	16-Apr-12 A	
AB Underpass (W28)		24-Apr-12	04-Apr-12 A	
Tunnel Construction		24-Apr-12	04-Apr-12 A	
SC-03-W28-100	Phase 3	24-Apr-12	04-Apr-12 A	
Trackwork (962m)		30-Apr-12	16-Apr-12 A	
Construction		30-Apr-12	16-Apr-12 A	
SC-03-TRCK-30	Bulk Excavation	03-Apr-12	16-Apr-12 A	
SC-03-TRCK-31(3)	Additional Excavation	30-Apr-12	16-Apr-12 A	

InfraCo Works Commenced/Completed during the Period: 5.01 (ref: Programme Revision 4)  
 Week No: / Week Ending: 28 Apr 12

Activity ID	Activity Name	Planned Finish Rev.4	Actual Finish	Note
SECTION 07 GOGAR TO EDINBURGH AIRPORT				
07A Gogarburn (exc.) to Edinburgh Airport (inc.)		30-May-12	28-Apr-12 A	
Gogarburn (exc.) to Ingliston Park & Ride (inc.)		05-Dec-11	09-Apr-12 A	
Trackwork (1750m)		05-Dec-11	09-Apr-12 A	
Gogarburn Bridge to Ingliston Tram Stop Ch 490 to 800		05-Dec-11	09-Apr-12 A	
7A-04-TRCK-150	Gogar Farm Roadworks	30-May-12	28-Apr-12 A	
Ingliston Park & Ride (exc.) to Edinburgh Airport (inc.)		30-May-12	28-Apr-12 A	
Trackwork (933m)		30-May-12	28-Apr-12 A	
EAL Programme		30-May-12	28-Apr-12 A	
Phase B		30-May-12	28-Apr-12 A	
7A-05-W14B-60(3)	Eastfield Avenue	30-May-12	28-Apr-12 A	

GENERAL INFORMATION													INFRA2025 WORKS - ESTIMATE STATUS TRACKER																	
Item No.	Seq	Line No.	Item Description	Quantity	Unit	Unit Price	Total Price	Design	Construction	Values	Design	Construction	Values	Design	Construction	Values	Design	Construction	Values	Design	Construction	Values								
101	1	1	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
102	1	2	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
103	1	3	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
104	1	4	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
105	1	5	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
106	1	6	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
107	1	7	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
108	1	8	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
109	1	9	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
110	1	10	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
111	1	11	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
112	1	12	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
113	1	13	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
114	1	14	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
115	1	15	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
116	1	16	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
117	1	17	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
118	1	18	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
119	1	19	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
120	1	20	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							

GENERAL INFORMATION													INFRA2025 WORKS - ESTIMATE STATUS TRACKER																	
Item No.	Seq	Line No.	Item Description	Quantity	Unit	Unit Price	Total Price	Design	Construction	Values	Design	Construction	Values	Design	Construction	Values	Design	Construction	Values	Design	Construction	Values								
201	1	21	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
202	1	22	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
203	1	23	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
204	1	24	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
205	1	25	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
206	1	26	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
207	1	27	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
208	1	28	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
209	1	29	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
210	1	30	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
211	1	31	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
212	1	32	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
213	1	33	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
214	1	34	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
215	1	35	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
216	1	36	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
217	1	37	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
218	1	38	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
219	1	39	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							
220	1	40	Construction of 100' x 100' concrete pad	1	Sq Ft	100	100																							

