Gogar Interchange

The Guaranteed Maximum Price does not include for the Gogar Interchange. The Guaranteed Maximum Price is based on the GMP Drawings.

New Ingliston Limited ('NIL')

The Guaranteed Maximum Price is based on the Drawings as included in the electronic record of "GMP Drawings".

Airport Retaining Walls W14 & W15

The Guaranteed Maximum Price is based on the Drawings as included in the electronic record of "GMP Drawings". Any changes required to accommodate the outcome of the flood modelling works are not at the risk of Infraco save for alterations required to the weir within Culvert No.3.

Airport Kiosk Design

No further future proofing is allowed in the Guaranteed Maximum Price.

The Guaranteed Maximum Price is based on the current developed elliptical design which is included on the drawings as included in the electronic record of "GMP Drawings".

Tramstop Design

The Guaranteed Maximum Price is based on the Drawings as included in the electronic record of "GMP Drawings".

Substation Design

The Guaranteed Maximum Price is based on the Drawings as included in the electronic record of "GMP Drawings".

Protection of Services

The protection and support of services are excluded from the Guaranteed Maximum Price.

Landscaping

In respect of landscaping works, Infraco shall be deemed to have met all requirements relevant to landscaping which are necessary to enable the issue of a Certificate of Sectional Completion provided that the only outstanding works relate to planting. Infraco shall then carry out the planting works at the beginning of the next planting season.

Section 2A at Haymarket: Phase 1a/1b Interface Design

The Guaranteed Maximum Price is based on the Drawings as included in the electronic record of "GMP Drawings". The Guaranteed Maximum Price does not include any work within Section 3A as part of Phase 1a or Phase 1b.

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Network Rail: Form C Submissions

The Guaranteed Maximum Price is based on the standard requirements for Form C submissions and on approvals being given in line with the Programme. tie shall assist the Infraco in obtaining all relevant approvals.

Third Party Agreements at Edinburgh Park and Airport

The timetable constraints as detailed in the Third Party Agreement licence with Edinburgh Airport Ltd. (EAL), other than agreeing respective completion dates for the approved packages are not applicable in executing the scope of Project Carlisle.

The existing New Edinburgh Ltd. (NEL) license has deadlines of 18 months (excluding Edinburgh Park Viaduct) and 24 months (at the viaduct), which are about to expire. For the purposes of the Guaranteed Maximum Price Infraco has assumed that the required timeframes can be agreed with NEL by **tie** / CEC to allow Infraco to construct, test and commission in accordance with the GMP Programme.

Any impact of these dates on the GMP Programme shall be dealt with separately as a tie Change and an appropriate tie Change Order will be issued.

Overall Traffic Management Model Approval

The Guaranteed Maximum Price is based on the drawings, specifications and schedules ("GMP Drawings"). The Infraco shall comply with the requirements of the Employer's Requirements. Any required Change to the Employer's Requirements or any preferential or other design changes required by CEC will be dealt with separately as a tie Change and an appropriate tie Change Order will be issued.

OLE Vehicle Impact Report

Infraco is responsible for obtaining CEC's acceptance and agreement. To date, CEC has not responded within the Approval Period as specified within the Infraco Contract. Any required Change due to late comments by CEC will be dealt with separately as a tie Change and an appropriate tie Change Order will be issued.

Lochside Avenue Junction

The Guaranteed Maximum Price is based on the drawings, specifications and schedules approved by CEC on 20 May 2010 and included in the electronic record of "GMP Drawings". The Guaranteed Maximum Price assumes no further comments or Informatives raised by CEC beyond those comments provided with the Approval of this design.

Changes to Traffic Regulation Orders (TROs)

tie is responsible for promotion and making of all necessary TROs to meet the PC Programme. tie confirms that Infraco have provided all necessary documentation and support required to support TRO 1 (defined as necessary for tram operations) for all onstreet (Line 1) and off street (Line 2) sections. Further, Infraco is not responsible for the cost of any changes or amendments to any TRO documentation (drawings, schedules or reports) or to the design as a result of the TRO process or for any delays to the PC Programme due to a delay in the TRO process. Infraco is not responsible for the cost of any abortive works or delays due to the final "made" TRO impacting on the IFC design or changes to the GMP Drawings.

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Drainage Alignment Drawings (Off-Street)

Any changes required to the current design on the drawings, specifications and schedules ("GMP Drawings), including both the impact on design and in construction, shall be dealt with separately as a tie Change and an appropriate tie Change Order will be issued.

OLE Interface at Tower Place Bridge

The Guaranteed Maximum Price is based on the drawings, specifications and schedules ("GMP Drawings").

OLE Interface at Russell Road Retaining Walls 3 & 4

The Guaranteed Maximum Price is based on the drawings, specifications and schedules ("GMP Drawings").

Interface with Scottish Power at Depot

Meter arrangements and Local Power supply provider shall be in place by 12 July 2010.

Way-leave clarification shall be finalised and approved by tie by 12 July 2010.

Washing Plant

The Guaranteed Maximum Price is based on the Siemens proposal and the actual status of design. Any additional arrangements shall be subject to a tie Notice of Change and an appropriate tie Change Order will be issued.

Combined Poles

The Guaranteed Maximum Price includes all pole extensions required to allow for the implementation of the street lighting integrated with the OLE poles for the original scope of work as indicated on the IFC drawings. The installation of the extensions and provision / installation of the street lighting beyond east end of Princess Street have to be performed by others.

Cable ducts

Cable duct connections between ETN and the Urban Traffic Control (UTC) and the City in View CCTV Control in a size of 150 mm diameter are not allowed in the Guaranteed Maximum Price due to an outstanding clarification on the right of way and the related design.

Noise & Vibration

Due to outstanding issues, the design and construction of the Floating Slab (Floating Track) as a Noise & Vibration protecting measures, no allowance has been made in the Guaranteed Maximum Price.

HV / LV Supplies

The Guaranteed Maximum Price includes the value confirmed in TNC 014. (INF CORR 2304/RB). Any modification required for the HV / LV supply shall be subject to additional TNC.

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Utilities / Utility Works

The Guaranteed Maximum Price does not include for any Utilities, utilities or any Utilities Works that will be required to accommodate the Infraco Works other than those that have already been implemented through a tie Change Order.

Contaminated Materials

The Guaranteed Maximum Price does not include for dealing with contamination other than that which has been implemented through a tie Change Order. tie will be responsible for the risk associated with contaminated land, including contaminated materials and plants.

Below ground obstructions/voids

The Guaranteed Maximum Price does not include for any occurrence of archaeological findings, obstructions or voids below the original ground level other than those that have been implemented through a tie Change Order.

Trackbed & Foundation to Section 1D - Princes Street West to Haymarket

The Guaranteed Maximum Price is based on the "GMP Drawings".

Road Reconstruction to Section 1D - Princes Street West to Haymarket

The Guaranteed Maximum Price is based on the "GMP Drawings".

Duct Bank to City Chambers

No civil works have been allowed in the Guaranteed Maximum Price for any construction work from Princes Street to the City Chambers.

Design Assurance Statements

Infraco will carry out all necessary assurance statements, approvals and consents for the design, construction, testing and commissioning of the Edinburgh Tram Network in respect of those parts defined in this Proposal, with respect to the Safety Assurance Plan to enable tie to comply with ROGS and other key statutory requirements.

tie Change Orders

Infraco and tie are in the process of negotiating numerous tie Change Orders, however it is unlikely and unnecessary that they will be finalised prior to submission of this Proposal, in so far as the estimated amounts of these tie Change Orders have been incorporated in the GMP. Since Change Orders may have been issued after 30 June 2010 the GMP will require minor adjustment, as that the GMP only makes allowances for tie Change Orders issued prior to this date. However, in the instances where tie has issued Change Orders which contain qualifications, the qualifications remain valid and have been utilised in the development of the GMP.

Siemens' Materials and Equipment regarding the sections east of Terminal Point

The Guaranteed Maximum Price includes the value of all materials and equipment which Siemens has already ordered for the scope east of Terminal Point. The Guaranteed Maximum Price includes for delivery of all said materials and equipment, DDP (incoterms 2000) up to the defined projects warehouse in Edinburgh area. Arrangements

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have to be made by tie for taking over the project warehouse after completion of construction works for the initial phase or the transport of materials and equipment to other suitable locations.

An itemised and priced material schedule will be provided for the sections east of the Terminus.

The Guaranteed Maximum Price is based on Infraco providing irrevocable vested ownership of these materials and equipment in favour of CEC, including transfer of title, risk and custody at a date which shall not exceed the Section C, Sectional Completion Date identified on the Programme, Revision 1- refer to activity ID 1000 of the Programme. For clarity, this is the latest date at which the last material or equipment should have been incorporated into the Works under the Programme, Revision 1.

The Guaranteed Maximum Price is predicated on the "Project Carlisle Change order allowing the immediate payment, per the itemised material schedule and within 60 days after physical delivery to the projects warehouse, of each and every such material and equipment for the sections east of Terminal Point.

The Guaranteed Maximum Price includes for warranty for all the above materials and equipment, for a warranty period expiring on 10 March 2013, i.e. two years after the Section C, Sectional Completion Date identified on the Programme, Revision 1.

Due to missing timeframes, cost for storage of the materials and equipment after providing irrevocable vested ownership as defined above is excluded from the Guaranteed Maximum Price. Siemens do not have long term arrangements beyond the Section C, Sectional Completion Date identified on the Programme; Revision 1 for its outsourced storage facilities in the Edinburgh area, the Guaranteed Maximum Price only includes cost for storage of the materials and equipment at Siemens' own or subcontracted onshore and/or offshore facilities, for the above, until that date.

Tram Supply;

The Guaranteed Maximum Price includes for all costs incurred by CAF in storing trams at their factory in Spain (Option 1), and all other related costs (insurance, warranties etc) in accordance with Project Carlisle (See Appendix 1.3).

Designs Services (SDS)

Included in the Guaranteed Maximum Price is the cost for the preparation of all known works that the SDS Provider is currently aware of to complete the current scope. This includes the outstanding works relating to the original SDS design, design that has been subject to changes due to the alignment workshop process, changes requested by Infraco and changes driven by revised requirements from third party stakeholders and approvals bodies such as City of Edinburgh Council, tie, BAA, Forth Ports etc.

Also included in Appendix 1.4 CD, is a schedule of potential tie Changes that have been initiated, but for which, at the time of preparation of the Guaranteed Maximum Price, the scope was undefined. In these areas no instruction has been issued by tie. In most cases these tie Changes impact on a design that is complete, and compliant with the Employer's Requirements and the requirements of the Tram Design Manual, Third Party Agreements, CEC Standards and other core reference materials. These changes, if instructed, will result in changes to the GMP Drawings.

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For the sake of clarity, these tie Changes have been excluded from the Guaranteed Maximum Price scope as it is recognised that it is entirely within the gift of tie to choose not to amend the current design presented and thereby mitigating cost and programme impact. Having reviewed the potential tie Changes for cost and programme savings we can see no added benefit in adopting the changes proposed in this schedule.

In preparing the Guaranteed Maximum Price, SDS has assumed that there will be no further changes required to the design, above and beyond those identified on the attached change schedules and as noted above. Given the exhaustive consultation approach that has been adopted with the relevant approvals bodies and the number of iterations of design that have been produced, comments received and subsequently incorporated, SDS believe the design to be robust and that all outstanding Technical and Prior Approvals could and should be granted by the relevant departments of the Approvals bodies without further change to the design. As such no allowance has been made for further design change in the production of the Guaranteed Maximum Price.

Specifically excluded from the Guaranteed Maximum Price are the following issues that at one point or another have been discussed, but not formalised or progressed by the Parties:

- 1. Stage E Landscape Drawings as per CEC Informative and Meeting held in September 2009;
- 2. South Gyle Access Bridge Detailed Design beyond Changes in S26 and W11 detailed in design as per DCR0133 feasibility report;
- 3. Tower Place Bridge design to reflect the removal of the ramp, concrete downstand, or revisions to the OLE, as per RDC154;
- 4. Forth Ports Section 1A fence alterations due to additional constraints in the Casino area;
- 5. Advanced Directional Signing for Constitution Street to address additional signs;
- 6. Lindsay Road phone mast construction conflicts;
- 7. Mounting of sign plates on buildings and railings;
- 8. Roseburn Street Viaduct curtain walls in lieu of the current fencing proposal at each abutment;
- 9. Murrayfield Tramstop Layout Changes to bollards, fence, and turnstiles;
- 10. Elder Street Junction redesign;
- 11. Picardy Place Detailed Design as per DCR0173 and DCR0221
- 12. Pedestrian Guardrail Changes;
- 13. Gogar Interchange name change to Edinburgh Gateway;
- 14. Relocation of the combined sewer at Gogar interchange.

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Completion Dates and Liquidated Damages

Liquidated Damages will apply at the Infraco Contract rates and as per the terms of the Infraco Contract. However, the Planned Sectional Completion Dates are as identified in GMP Programme in Appendix 5 and are defined in the Executive Summary.

Liquidated Damages associated with tram delivery / tram commissioning in the Tram Supply Novation Agreement, the Tram Supply Agreement, and the Infraco Contract shall not apply any more, since the necessary progress of the tram delivery and tram commissioning has been included in the revised dates for the Planned Sectional Completion. The agreed commissioning dates for the Trams should be linked in the completion dates.

Schedule Part 4 Pricing Assumptions

We believe that a joint review of the existing Specified Exclusions and Pricing Assumptions in Schedule part 4 is required to enable agreement to be reached on a substantially reduced list.

Maintenance

The maintenance GMP is based on the current design as detailed in the GMP Drawings. If this is later subject to a Change Order, including any change to the agreed split of responsibilities within Schedule Part 2, then this shall be valued in accordance with clause 80.6.

The GMP is based on the assumption that the total maintenance period does not exceed 10 years starting with the service commencement date for Section D (as described in Appendix 5.2).

In view of the Project Carlisle revisions, we do not believe that certain conditions remain appropriate and we therefore we would like to review and to discuss the incorporation of the following points with respect to the Maintenance Services:

1. Removal of the voluntary termination by tie clause (89), which leads to a 10 year maintenance contract period.

2. Removal of the cap applicable to indexation on Spare Parts and infrastructure mobilization amounts, currently capped at a maximum aggregate amount of 50,000GBP.

3. Indexation: shall be for the full scope of maintenance, including mobilisation and initial spares.

4. Introduction of a Benchmarking point (at 5 years) regardless of whether there is any change in applicable law.

5. Renegotiation of Liability caps, as defined in Schedule Part 1, in the Maintenance Cap.

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Maintenance Pricing

To reflect the Maintenance programming modifications required by Project Carlisle the Maintenance Pricing requires adjustment. The following Table identifies the Maintenance Pricing categories and Revised Amounts. Tram Maintenance and Mobilisation is included in the price provided by CAF, see APPENDIX 1.3 -CAF - Guaranteed Maximum Price Breakdown.

Maintenance Pricing

Infraco	Value
Infraco Maintenance limited to scope as defined in Infraco "Project Carlisle" Proposal	£25,133,013.00
Infraco Maintenance Mobilisation	£1,782,292.00
Infraco Maintenance	£26,915,305.00
Infraco Spare Parts	£1,013,090.00
Total Infraco	£27,928,395.00
CAF	Value
Tram Maintenance	TBA
Maintenance Mobilization	£2,275,806.00
Total CAF	TBA

TBA = To Be Adjusted by CAF/Tie when Km/year of operation is decided (it is presumed that the total amount will be below the minimum foreseen in Tram Maintenance Agreement table for price adjustment according to distance and will therefore require an agreement of the price per kilometre. If that is not the case, TMA prices will be applied)

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APPENDIX 5

INFRACO PROJECT CARLISLE PROGRAMME

5.0 Narrative

- 5.1 GMP Programme
- 5.2 Sectional Completion Dates

5.0 Narrative

General

The start date (data date) of the programme is 12 July 2010. For work activities currently under construction their actual progress at 12 July 2010 is taken as the start point of the programme.

Our programme for the works recognises the allowed working hours stated in the Code of Construction Practice of 0700 to 1900 Monday to Friday and 0800 to 1300 on a Saturday. However a 40 hour effective working week has been used to calculate the duration of activities to take account of rest breaks, un-exceptional weather delays and travel between work sites. However construction work will be required outside the hours stated in the Code of Construction Practice for Rail Possessions, work on busy road junctions, works associated with piling at the A8 underpass, stringing catenary cables etc. Prior approval will be sought for such works in accordance with the tender documents and the programme assumes that such approval will be granted as necessary to maintain the Programme. Assumptions and factual statements upon which the Programme has been prepared are as set out in this document. General assumptions are as follows.

Version 59 of the SDS design programme has been used to establish milestone dates for the Issue for Construction drawings. We have assumed that there will be no amendments to the SDS design programme.

The programme is based on MUDFA having completed all works and all utilities being diverted that would conflict with INFRACO operations.

The scope of work considered is that for and set out in this Proposal. Therefore, this programme as set out in Appendix 5 was set up only with regard to the Project Carlisle Proposal and based upon the scope provided herein.

Section Completion Dates

Section 1A

The programme for the enabling works at Newhaven which includes Lindsay Road Retaining Wall and the lowering of Lindsay Road is an extract of the relevant sections of the proposed Programme Revision 3A. The construction sequence therefore relies upon the availability of the Forth Ports diversion road. This diversion route permits the simultaneous construction of Lindsay Road Retaining Wall W1A and the lowering of Lindsay Road whilst still maintaining traffic flows.

The GMP Programme assumes a commencement of work on 16 August 2010 for the lowering of Lindsay Road, any late commencement may impact the sectional completion date.

The Programme assumes that all necessary Utility diversions have been completed in this area prior to the Infraco Works commencing.

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The GMP Programme assumes that all 3rd Party approvals / licences will be in place for these works to commence in accordance on 3 August 2010, any late commencement may impact the sectional completion date.

The programme for Tower Place Bridge enabling works is extracted from the Programme Revision 3A and progressed to 12 July 2012. The programme only accounts for the tie relocation of utilities from North to South. Any delay in relocating the utilities, or additional works undertaken by tie may impact the sectional completion date.

Section 1C / 1D

The GMP Programme assumes that the terminal point for the works is the east end of Princes Street where the tracks are currently constructed to.

The programme for the track works from Lothian Road to Haymarket is extracted from the OSSA programmes.

The GMP Programme assumes commencement of the on street works between Lothian Road and Haymarket work on 6 September 2010, any late commencement may impact the sectional completion date.

The programme assumes that the all necessary utilities will be diverted and all approvals/ licences in place to enable these works to commence on 6 September 2010.

Work scope now allows for:

• Additional excavation and construction to full depth including a 600mm capping layer and disposal of surplus material.

• Traffic Management and access issues related to the loss of working street width as a result of increased excavation depth.

- Support to excavations due to adjacent live traffic.
- Ground improvements beneath the track slab.
- Protection of existing ductwork exposed as a result of the increased depth of excavation.
- Addition of an RC Improvement Slab.
- Additional traffic management constraints, parking bays, bus stops, and taxi bays within working areas.

Pedestrian traffic will be catered for by controlled crossing points at specified locations, yet to be mapped.

The works are scheduled with no risk allowances for the condition of the street handed over after MUDFA/Utility Works.

Full construction depth is allowed for in the programme, but issues with services conflicts as a result are not allowed for in the plan.

The Works are also not scheduled with any risk allowances for unforeseen issues e.g. below ground obstructions, voids, soft or contaminated material

The programme is planned using a 5 day effective working week and the phasing of the works is in accordance with current approved traffic management schemes. Calendars include August and Christmas Embargo periods together with site holidays, but no shutdown for summertime trades holidays (2 weeks).

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No demobilization and remobilization periods have been incorporated into the GMP Programme around embargo dates, as that the work areas will be secured utilizing the protective fencing and security services.

All the construction programmes assume that all MUDFA/Utility Works within the Works Areas are complete by the planned Commencement Dates. We understand that a "Utilities Conflict Schedule" is available; however no allowance for these activities is included. Any delays resulting from this may have a considerable effect on construction periods.

Section 2A

The GMP Programme assumes a commencement date of 9 August 2010 for the removal and replacement of soft ground, any late commencement may impact the sectional completion date.

Section 5A

Detailed programmes are available for all structures. The GMP Programme shows summaries of these programmes.

The construction works in general are subject to Network Rail approval. An eight week (plus three week "cooling off period") has been assumed for all Network Rail form C approvals. A four week (plus three week "cooling off period) has been allowed for the approval of all Works Package plans. The programme generally shows the latest dates for these approvals.

The GMP Programme assumes tie will procure all necessary approvals to allow the commencement of demolition in Plots 96, 97, 101 & 102, before 9 August 2010, any late commencement may impact the sectional completion date.

Section 5B

The GMP Programme assumes a commencement date of 30 August 2010 for the track drainage works in Section 5B, any late commencement may impact the sectional completion date.

Section 5C

The GMP Programme assumes a commencement date of 30 August 2010 for the track drainage works in Section 5C, any late commencement may impact the sectional completion date.

The completion of the track and M & E works at the depot is dependent on the completion of the depot access bridge superstructure. The Programme assumes that the works to the depot access bridge will be accelerated to 7 days a week working from the 1 September 2010.

Section 6A

No comments.

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M. E

Section 7A

The Programme assumes that the settlement period for the Gogar Landfill Site will be limited to 3 months.

The Programme also assumes that BAA will grant a licence for works on their land to recommence on 24 August 2010.

Revisions to the W14 Retaining Wall, received on 16 July 2010, have required re-pricing by BSC, Sub Contractors, and Material Suppliers. At this time we believe the responsible response to this change is to include in the GMP the Conceptual Price provided by one Sub Contractor who is experienced in piling operations, of approximately £7MIO. This price is contingent upon the redesign of the piling components (Jumbo 610x36 pipe) to incorporate a more commonly available piling product (762x20 pipe). Additionally, the material will require delivery from Turkey. As such, the GMP shall be based upon these assumptions and risks, however should any of the assumptions change, Infraco reserves the right revise the costs associated with this area of work.

Immediate Action Items

There are a number of time critical activities which require procurement of authorizations as well as procurement of long lead time materials. We propose to meet with tie to discuss this particular issue, as well as similar issues, within the next few days in an effort to find an agreeable solution to avoid unnecessary impacts to the Programme. The following list is not all inclusive:

- 1. Commencement of work at Lindsay Road in Section 1 A by 9 August 2010.
- 2. Removal and replacement of soft ground in Section 2A by 9 August 2010.
- 3. Permit to begin demolition in Section 5A by 9 August 2010.
- 4. Commencement of track drainage work in Section 5B and 5C by 30 August 2010.
- 5. Recommencement of work on BAA lands in Section 7A by 24 August 2010.
- 6. Finalisation of design to allow procurement of piling materials for Wall 14 C no later than 9 August 2010 to facilitate a 12 week fabrication and delivery requirement.

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APPENDIX 5.1

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INFRACO GMP PROGRAMME

See Attached Supplemental Information CD:

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Appendix 5.1 – GMP Programme: Project Carlisle Revision 00 (100729) EDINBURGH TRAM NETWORK Date 29-Jul-10 Pages 1 to 44

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CAF-20(3) 10th Tram Delivery 0d 26-0ct-11 131d 131d 1 CAF-21(3) 10th Tram Commissioning 15d 26-0ct-11 131d 1 <t< td=""><td>CAF-19(3)</td><td>9th Tram Commissioning</td><td>26-Oct-11</td><td></td><td></td><td></td></t<>	CAF-19(3)	9th Tram Commissioning	26-Oct-11			
Revision Checked Approved Page 1 of 44 Remaining Work Childrange Project Cardisle Programme SSC/MHE BSC Amount Amount Amount	CAF-20(3) CAF-21(3)	10th Tram Delivery 10th Tram Commissioning	26-Oct-11 26-Oct-11			
Project Cartiste Programme SSC/MHE BSC	1	Checked Approved	44			
	Project Carlisle Progr	SSC/MHE BSC			Critical Kemaining work	

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(Revision 00)	23	EDINBURGH TRAM NETWORK		
Activity ID	Activity Name	Ongenal Start Fenish Toual P Duration	otal Float D10 2011 2012 2011 2011 2012 2012 2012	A S Oct N Dec
CAF-22(3)	11th Tram Delivery	25-Nov-11	241d 🕴 🔶 11th Tram Delivery	- 1-
CAF-23(3)	11th Tram Commissioning	25-Nov-11 16-Dec-11	241d	
CAF-24(3) CAF-24(3)	12th Tram Delivery	154 25-Nov-11 16-Der-11		
CAF-26(3) CAF-26(3)		27-Dec-11	219d	
CAF-27(3)	13th Tram Commissioning	15d 27-Dec-11 17-Jan-12 2	2190	2.44 2.44 2.44
CAF-28(3)	14th Tram Delivery	27-Dec-11	219d	
CAF-29(3)	14th Tram Commissioning	27-Dec-11 17-Jan-12		
CAF-30(3)	15th Tram Delivery	0d 27-Dec-11 14 12 10-12		
CAF-37(3)	loth Tram Commissioning 16th Tram Delivery	26-Jan-12	197d	
CAF-33(3)	16th Tram Commissioning	16-Feb-12		
CAF-34(3)	17th Tram Delivery	26-Jan-12	197d	
CAF-35(3)	17th Tram Commissioning	26-Jan-12 16-Feb-12		
CAF-36(3)	18th Tram Delivery	26-Jan-12	131d	
CAF-37(3)	18th Tram Commissioning	26-Jan-12 16-Feb-12		
CAF-38(3)	19th Tram Delivery	0d 27-Feb-12 464 37 524 42 40 Mor 42		
CAF-39(3)	1300 LTam Commissioning	21-FGD-12 13-WIGI-12	A 20th Twin Delivery	
CAF 40(3) CAF 41(3)	20th Tram Commissioning	27-Feb-12 19-Mar-12		
CAF-42(3)	21st Tram Delivery		131d A 21st Tram Delivery	
CAF-43(3)	21st Tram Commissioning	15d 27-Feb-12 19-Mar-12 1		
CAF-44(3)	22nd Tram Delivery		(53d)	ery
CAF-45(3)	22nd Tram Commissioning	28-Mar-12 18-Apr-12		
CAF-46(3)	23rd Tram Delivery		153d	ζ.
CAF-47(3)	23rd Tram Commissioning	15d (28-Mar-12 18-Apr-12 1		
CAF-48(3) CAF-49(3)	24th Tram Delivery 24th Tram Commissioning	28-Mar-12 18-Apr-12		
CAE + 50(3)	25th Tram Delivery	27-Apr-12	• 256 Trans.	Delivery
CAF-51(3)	25th Tram Commissioning	27-Apr-12 18-May-12		
CAF-52(3)	26th Tram Delivery	c	131d	þelive ry
CAF-53(3)	26th Tram Commissioning	15d, 27-Apr-12 18-May-12 1		
CAF-54(3)	27th Tram Delivery	27-Apr-12		Delivery
CAF-55(3)	27th Tram Commissioning	18-May-12		
TRACK FINISHES		13-Apr-12		KACK FINISHES
A20000	Tamping Ballast 6A	11-Feb-11 11-Apr-11		
A20007	Tamping Ballast section 5B	03-May-11	3000	
420005A	l amping Ballast section /A	23-JUN-11 UO-AUG-11	190	
A20070	r rinsning Prestressing	23-Feb-12 09-Mar-12	274	
A20006	Tamping Ballast section 5A	23-Feb-12 14-Mar-12		
A20030	Grinding	12-Mar-12 13-Apr-12		2017 2017 2017
SECTION 01 NEWHAVEN ROAD TO HAYMARKET	ROAD TO HAYMARKET			2, SECTION 01 NEWHAVEN
01A Newhaven Road to Foot of the Walk	f the Walk	20-Jun-11		
Newhaven to Ocean Terminal		230d 12-Jul-10 20-Jun-11 3	3580 V 20-04-04-10 SECTION MIDE (AER TTM)	
Lindsay Road Retaining Wall W1A - Phase 1	VIA - Phase 1	01-Oct-10	401d VIII VIII VIII VIII VIII VIII VIII VI	
Preliminary Works & excavation	and the second se	30 12-304-10 14-304-10 4	1014 : V 14-Jul-10, Prolimuiary Works & exceivation	
Date Rev	on Checked	Page 2 of 44 Remaining Work	k - Critical Remaining Work - Summary	
			The second secon	

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Activity hand Activity	(Revision 00)			
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New Network Financial Financial <thfinancial< th=""> <thfinancial< th=""> <t< td=""><td>1A-24-W1A-110</td><td>Excavation</td><td>14-Jul-10</td><td></td></t<></thfinancial<></thfinancial<>	1A-24-W1A-110	Excavation	14-Jul-10	
Nut.Nut.D0 CE/NB	RW Structure 1A-24-W1A-120	RV Foundation	18-Aug-10 21-Jul-10	18-Aug-10,
	1A-24-W1A-130	RC Wall	26-Jul-10 04-Aug-10	
Machenical Machinal Machenical Machenical Machenical Machenical M	1A-24-W1A-14D	Coping	09-Aug-10 18-Aug-10	
Action (b) Endowi 22 (Napr) (0 3/ma)	1A-24-W1A-150	Waterproofing	25-Aug-10 26-Aug-10	
Model Description Control Contro Control Control <	1A-24-W1A-19D	Brickwork	27-Aug-10 31-Aug-10	
Match (Match (1A-24-W1A-160	Drainage	01-Sep-10 02-Sep-10	
0.4.400/00 0.4.400	1A-24-W1A-17U 1A-24-W1A-1BD	stone drainage trench Backfill and compact (inc demo, of exist, r,w.)	01-38p-10 09-38p-10	
Index.Nutr.210 Unstact Mode RWMA. FluidET (40°F21 00 01-01-01 400 4-0008M Yob RWMA. FluidET (40°F21 4-0008M Yob RWMA. FluidET (40°F21 4-0008M Yob RWMA. FluidET (40°F21 4-0008M Yob RWMA 4-0008M	1A-24-W1A-200	Vehicle Parapets	01-Oct-10	
Constrained with MOID	1A-24-5A-W1A-370	LINDSAY ROAD RW W1A - PHASE 1 (4 OF 21 UNITS)COMPLETE	01-Oct-10	LINDSAY ROAD RW WA - PHASE 1 (4 OF 21 UNITS)COMPLET
Mache March International Calculation Calculation <thcalculati< td=""><td>Lindsay Road Retaining Wall</td><td></td><td>13-Sep-10</td><td></td></thcalculati<>	Lindsay Road Retaining Wall		13-Sep-10	
(Additional) Example (d) control	Preliminary works & excava	ation Mohiltentinn and site installation	Jul-10 30-301-10	Su-Jul-10, Preiminary
With State Market State State Market State Mark	1A-24-5A-W1D-110	Excavation	30-Jul-10	
Machadronic Rivenation Colump (1 Machadronic Risk Machadronic Machadroni Machadroni Macha	RW Structure	※日本のないないでは、「大人」の「日本」、「人」の	23-5up-10	23-Aug-10 RW
MA-MA-MID-101 RC Mail Bit Shape (1) Same (1) <td>1A-24-5A-W1D-120</td> <td>RW Foundation</td> <td>11-Aug-10</td> <td></td>	1A-24-5A-W1D-120	RW Foundation	11-Aug-10	
M. A245A, WID 140 Wite profing 12 A-long 10 24-long 10	1A-24-5A-W1D-130	RC Wall	23-Aug-10	13 Sen 10 DW/Ehichbor Morth and
Hot-Let-MUD 150 Deninge 1d 3-4ug-10 Schog-10 Scho-10 Scho-10	1A-24-5A-W1D-140	Waterproofing	24-Aug-10	
(A-3-45-WID:100 Store dranage trench (d 25-Aug-10 2354 (e) (e) (A-3-45-WID:100 Backing Connect (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:100 Backing Connect (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:100 Vericle Pranete + Carah Barrier (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:100 Konto Werle Pranete + Carah Barrier (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:200 Konto Werle Pranete + Carah Barrier (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:200 Konto Werle Pranete + Carah Barrier (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:200 Konto Werle Pranete + Carah Barrier (d 27-Aug-10 3246 (e) (e) (A-3-45-WID:200 Londown WID 2346 (e) (e)	1A-24-5A-W1D-15D	Drainage	25-Aug-10 25-Aug-10	504
Acceleration District Market Milloring District Milloring District Milloring District Milloring District Milloring District Milloring Distric	1A-24-5A-W1D-160	Stone drainage trench	26-Aug-10 26-Aug-10	290
Az454AVMD-170 Backling and compare (kehng Tazzles/AVMD-100 Backling and Backling Version Backling and Kehng Backling and School Backling and School Backling School School School <th< td=""><td>1A-24-5A-W1D-18D</td><td>Brickwork</td><td>26-Aug-10 26-Aug-10</td><td>29d</td></th<>	1A-24-5A-W1D-18D	Brickwork	26-Aug-10 26-Aug-10	29d
Acceleration Control of the conservence of the co	1A-24-5A-W1D-170	Backfill and compact	27-Aug-10	
AcceleAwthOLD Featward Contraction Contraction <thcontraction< th=""> <thconttext< th=""> <th< td=""><td>14-24-24-24-00 000 000 000 000 000 000 000 000</td><td>Venicle Parapets + Crash Barrier</td><td>30-Aug-10 30-Aug-10 30-Aug-10 30-Aug-10</td><td></td></th<></thconttext<></thcontraction<>	14-24-24-24-00 000 000 000 000 000 000 000 000	Venicle Parapets + Crash Barrier	30-Aug-10 30-Aug-10 30-Aug-10 30-Aug-10	
1.2.4.5.4. WID 20 INDS/Y ROAD RW WID COMPLETE Dd 1.3.58P10 3361 • · <	14-74-5A-W1D-21D	Footway and Road Surfacing	13-Sep-10	
Control y food featuring with with the control of the cont	1A-24-5A-W1D-220	LINDSAY ROAD RW W1D COMPLETE	13-Sep-10	•
Az-45-AWIC-140 Coping Edit 12-unit 0 25/41 D <thd< th=""> D <thd< th=""></thd<></thd<>	Lindsay Road Retaining Wall	IIWIC	12-Aug-10	L
WEINIARING WORK and Backfilling Trd Scoulifio (Scoulifio (S	RW Structure 1A-24-5A-W1C-140	Copina	19-Jul-10	
Ma245AWMC-150 Waterproofing 1d ZD-Jul-10 232d 1 1 21-Jul-10 21-Jul-10 23-Jul-10	RW Finishing Works and Ba	ackilling and a second and a second se	12-Aug-10	12-Aug-10, RW Finishing Works
1A:24:5A-WTC-180 Drainage brokwork 1d 21-Jul-10 23:5d 32:2-Jul-10 1 21-Jul-10 23:5d 32:2-Jul-10 1 <	1A-24-5A-W1C-150	Waterproofing	20-Jul-10 20-Jul-10	25d
M-24-56-WIC-170 Store drainage tench 3d 22-UH-10 26-UH-10 2	1A-24-5A-W1C-16D	Drainage	21-Jul-10 21-Jul-10	286
M-24-54-WIC-190 Binckwork ad 22-Jul-10 25-Jul-10 27-Jul-10	1A-24-5A-WIC-170	Stone drainage trench	22-Jul-10 26-Jul-10	599
N.2454-WIC-200 Vehicle Parapets + Crash Barrier 1d 28-Jul-10 357d 1 1 28-Jul-10 325d 1 1 28-Jul-10 327d 1 28-Jul-10 327d 1 28-Jul-10 327d 1 1 28-Jul-10 327d 1 1 28-Jul-10 22.Jul-10 28-Jul-10 22.Jul-10 22.Jul-10 <t< td=""><td>1A-24-5A-W1C-190</td><td>Brickwork Rackfill and compact</td><td>27-Jul-10 27-Jul-10</td><td>254</td></t<>	1A-24-5A-W1C-190	Brickwork Rackfill and compact	27-Jul-10 27-Jul-10	254
1x-24-5A-WIC-210 Kerbing 1d 28-Jul-10 23-5d 1 1 2 <th2< th=""> 2 2 2<td>1A-24-5A-W1C-200</td><td>Vehicle Parapets + Crash Barrier</td><td>28-Jul-10 28-Jul-10</td><td>274</td></th2<>	1A-24-5A-W1C-200	Vehicle Parapets + Crash Barrier	28-Jul-10 28-Jul-10	274
1A-24-5A-WTC-220 Foolway and Road Surfacing 10d 29-Jul-10 12-Aug-10 347d 10 10 12-Aug-10 347d 10 10 12-Aug-10 347d 10 10 10 10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 10 12-Aug-10 10 10 10 12-Aug-10 10	1A-24-5A-WIC-210	Kerbing	28-Jul-10 28-Jul-10	264
1A-24-5A-WIC-230 LINDSAY ROAD RW WIC COMPLETE 0d 12-Aug-10 347d • LINDSAY ROAD RW WIC COMPLETE 0d 1M-24-TTM-05B-1000 TTM-PHASE 5B (LINDSAY ROAD WEST BOUND) 10dd [16-Aug-10 332d • TTM-PHASE 5B (LINDSAY ROAD WEST BOUND) 1A-24-TTM-05B-1000 TTM-PHASE 5B (LINDSAY ROAD WEST BOUND) 0d 16-Aug-10 230d • TTM-PHASE 5B (LINDSAY ROAD WEST BOUND) 1A-24-TTM-05B-010 TTM-PHASE 5B (LINDSAY ROAD WEST BOUND) 0d 16-Aug-10 230d • TTM-PHASE 5B (LINDSAY ROAD WEST PAREITM-05B-10 1A-24-TTM-05B-010 TTM-PHASE 5B (LINDSAY ROAD WEST PAREITM-05B-01 230d • TTM-PHASE 5B (LINDSAY ROAD WEST PAREITM-05B-01 1A-24-TTM-05B-010 TTM-PHASE 5B (COMPLETE 0d 16-Aug-10 230d • TTM-PHASE 5B (COMPLETE 1A-24-TTM-05B-010 TTM PHASE 5B (COMPLETE 0d 16-Aug-10 230d • TTM-PHASE 5B (COMPLETE 1A-24-TTM-05B-010 TTM PHASE 5B (COMPLETE 0d 16-Aug-10 230d • TTM-PHASE 5B (COMPLETE 1A-24-TTM-05B-010 TTM PHASE 5B (COMPLETE 7d 16-Aug-10 230d • TTM-PHASE 5B (COMPLETE 1A-24-TTM-05B-010 TTM PHASE 5B (COMPLETE 7d 16-Aug-10 230d • TTM-PHASE 5B (COMPLETE 1A-24-TTM-05B-010 TTM PHASE 5B (COMPLETE 7d 16-Aug-10 230d • TTM-PHASE 5B (COMPLETE 1A-24-TTM-05B-010 TTM PHASE 5B (COMPLETE<	1A-24-5A-W1C-220	Footway and Road Surfacing	29-Jul-10 12-Aug-10	474
W PHASE 3B (Linbus X Road) The PHASE 3B (Linbus X Road) The PHASE 3B (Linbus X Road) The PHASE 3B (Linbus X Road) 1.4.24-TTM-05B-010 TTM-PHASE 3B (Linbus X Road) 0d 16-Aug-10 230d • TTM-PHASE 3B (Linbus X Road) 1.4.24-TTM-05B-01 Commence TTM Works 0d 16-Aug-10 230d • TTM-PHASE 3B (Linbus X Road) 1.4.24-TTM-05B-01 Commence TTM Works 0d 16-Aug-10 230d • TTM-PHASE 3B (Linbus X Road) 1.4.24-TTM-05B-01 Commence TTM Works 0d 16-Aug-10 230d • TTM-PHASE 3B (Linbus X Road) 1.4.24-TTM-05B-01 Commence TTM Works 0d 16-Aug-10 230d • TTM-PHASE 3B (CMPLETE 1.4.24-TTM-05B-010 TTM PHASE 3B (CMPLETE 0d 24-Jan-11 230d • TTM-PHASE 3B (CMPLETE 1.4.24-TTM-05B-0100 TTM PHASE 3B (CMPLETE 0d 24-Jan-11 230d • TTM PHASE 3B (CMPLETE 1.4.24-TTM-05B-0100 TTM PHASE 3B (CMPLETE 0d 24-Jan-11 230d • TTM PHASE 3B (CMPLETE 1.4.24-TTM-05B-0100 TTM PHASE 3B (CMPLETE 0d 230d • TTM PHASE 3B (CMPLETE ///////////////////////////////	1A-24-5A-W1C-230	LINDSAY ROAD RW W1C COMPLETE	12-Aug-10	 LINDSAY, ROAD RW
14-24-TTM-05B-01 Commence TTM Works 04 16-Aug-10° 2304 14-4ug-10° 2304 14-4ug-10° 2304 14-4ug-10° 2304 14-4ug-10° 2304 24-Jan-11 24-Jan-11 24-Jan-11 24-Jan-11 24-Jan-11 24-Jan-11 24-Jan-	TTM PHASE 58 (LINDSAY RC	0AD WEST BOUND) TTM - PHASE 48 - Lindeau Prod ER classed	15-Aug-10 [24-Jan-11]	TTM-PHASE 58-L Indeev Road F8 closed Toda Viest
14-24-TTM-05B-1010 TTM PHASE 6B COMPLETE 0d 24-Jan-11 230d 24-Jan-	1A-24-TTM-058-D1	Commence TTM Works		•
EMPORARY AND PRELIMINARY WORKS 7d 16-Aug-10 25-Aug-10 230d Revision Checked Approved Page 3 of 44 Revision	1A-24-TTM-05B-1010	TTM PHASE 5B COMPLETE	24-Jan-11	
Revision Checked Approved Page 3 of 44 Remaining Work - Chitical Remaining Work - Chitical Remaining Work	TEMPORARY AND PRELIMIN	NARY WORKS	25-Aug-10	
Revision created Approved rage 3 of 44 Remaining Work Critical Remaining Work Critical Remaining Work Yere				
IPrniect Carlisle Programme ISSC/MHF IBSC	Brainet Cadiala Braz	Checked Checked		Critical Remaining Work

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Activity ID	Activity Name	Original Start Finish Duration	Total Float D10 HJuni A IS foct N D Jami F M	2011 2013 2013 2013 2013 2013 2013 2013
1A-24-58-1000	Establish temporary traffic management			
1A-24-5B-1010	Site clearance	17-Aug-10	230d	
1A-24-5B-1020	Investigate services / outfall positions / inlet-outlet positions / levels	1d 24-Aug-10 25-Aug-10	DOOSZ	
LINDSAY ROAD (WESTBOUND)		92d 25-Aug-10 17-Jan-11	17-dan-1	Tr-ten-t1, LINDSAY ROAD (WESTBOUND)
1A-24-5B-1030		04 23-Aug-10 17-Jan-11		
UPO TOTAL TAC		25-440-10		WESTBOUND
14-24-58-1050	Remove existing footway	5d 25-Aug-10 01-Sep-10		
1A-24-5B-1060	Plane Main Carriageway & Footway	5d. 01-Sep-10 08-Sep-10	230d	
1A-24-5B-1070	Plane/break/lower / excavate to Formation (Lindsay Road)	08-Sep-10	2304	
1A-24-5B-1080	Capping layer (600mm)		232d	
1A-24-58-1090	Drainage and Outfalls	490 10-Sep-10 16-Nov-10	DODE	
14-24-58-1100 14-24-58-1110	Ducts and Champers Kerthing	15-Nov-10	232d	
1A-24-58-1120	Footpath Works		230d	
SURFACING	The second	30-Nov-10	2480 Y 05-Dec-10, SUR	tracing
1A-24-5B-1130	220mm Sub-base		248d	
1A-24-5B-1140	225mm Base		2480	
1A-24-58-1150 14-24-58-1160	bumm Binder Course 35mm Surface Course - Main Carrianeway and Boundary	1d 03-Dec-10 05-Dec-10	248d	
BOAD FINISHING		100	2300d	r rbadi Finishing
1A-24-58-1170	Road Signs and Markings	1d 06-Dec-10 07-Dec-10	2480	
1A-24-5B-1180	Landscaping		2304	
1A-24-5B-1190	Remove temporary traffic management	14-Jan-11	2304	
COMMISSIONING AND TESTING	G The design of Bordensky and Teachington	5d 17-Jan-11 24-Jan-11 5d 15n-11	332d	
1A-24-5B-TEST-110	Start remaining E&M works along track	24-Jan-11	332d	naining E&M'works along back
TTH BHASE EA II BUDSAV DOAT				20-Jun-51, TTM PHASE 5A (LNDSAY ROAD EAST BOUND)
1A-24-TTM-05A-1000	TTM - PHASE 5A - Lindsay Road WB closed	0d 24-Jan-11	230d	
1A-24-TTM-05A-1010	TTM PHASE 5A COMPLETE			
TEMPORARY AND PRELIMINARY WORKS	RY WORKS	12d 24-Jan-11 09-Feb-11	23004	Feb-11, TEMPORARY AND PRELIMINARY WORKS
14-24-5A-1010	Cokouish terriporary static management. She charaore		230d	
14-24-5A-1020	Investigate services / outfall positions / inlet-outlet positions /		230d	
	levels			
Lindsay Road Retaining Wall W18	VIB	55d 24-Jan-11 12-Apr-11	2394	12-Apr-11, Lindsay Koad Ketanning Wall Wilb
1A-24-5A-W18-100	Mobilisation, site installation and temporary fencing	1d 24-Jan-11 25-Jan-11		
1A-24-5A-W1B-110	Demolition	10d 25-Jan-11 08-Feb-11	2394	
1A-24-5A-W1B-120	Excavation	2d 08-Feb-11 10-Feb-11	239d	
RW Structure				0.Mar-11, RW Stlucture
1A-24-5A-W18-130		414 23 Eab 11 40 Mar 11		
1A-24-5A-W1B-14U			PBSC	 12-Apr-11, RW Finishing Works and Backfilling
1A-24-5A-W1B-150	Waterproofing	2d 10-Mar-11 14-Mar-11	239d	
1A-24-5A-W1B-160	Drainage	14-Mar-11	539d	
1A-24-5A-W1B-170 1A-24-5A-W1B-190	Stone drainage trench Brickwork	2d 21-Mar-11 23-Mar-11 2d 21-Mar-11 23-Mar-11	2394	
1A-24-5A-W1B-180	Backfill and compact	23-Mar-11	2394	
	Dr Checked Approved	Page 4 of 44	Remaining Work	Summary

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Revision 00)			EDINBURGH		TRAM NETWORK		Civil		
Activity ID	Activity Name		Original Start Finish Duration	sh Total Float D10	Dto Jul A Sloct N D Jan F	2011 2011 M April M J 341 A S Oct N	D Jan F M April 1	2012 M J Jud A S	Oct N Decised F
1A-24-5A-W1B-200	Vehicle Parapets		2d 24-Mar-11 28-1	28-Mar-11 249d					
1A-24-5A-W1B-210	Kerbing								
1A-24-5A-W1B-220	Footway and Road Surfacing		28-Mar-11						••••
1A-24-5A-W1B-230	LINDSAY ROAD RW WIB COMPLETE	OMPLETE		5		EINDSAY ROAD RW WIB COMPLETE			
LINDSAY ROAD (EASTBOUND) & NEW LINK ROAD 14-24-54-1020 COMMENCE PC	ND) & NEW LINK ROAD COMMENCE POAD WORKS (1 INDSAY BOAD)	I INDSAY BOADI	85d 09-Feb-11 13-	13-Jun-11 2300		COMMENCE ROAD WORKS / INDSAY ROAD (EASIBOUND) &		NEW LINK ROAD	
1A-24-5A-1040	ROAD WORKS COMPLETE	ROAD WORKS COMPLETE (LINDSAY ROAD-EASTBOUND)		3-Jun-11 230d		ROAD WORKS COMPLETE (LINDSAY	LETE (LINDSAY ROAD-	-EASTBOUND)	····· ·····
EASTBOUND			640-09-Feb-11-110-	10-Jun-11 231d	K	▼ 10-Jun-11, EASTBOUND	 		
1A-24-5A-1050	Remove existing footway		11d 09-Feb-11 24-1	24-Feb-11 230d					
1A-24-5A-1060	Plane Main Carriageway & Footway	potway	4d 24-Feb-11 02-	02-Mar-11 230d					
1A-24-5A-1070	Plane/break/lower / excavate to Formation (Lindsay Road)	to Formation (Lindsay Road)	38d 02-Mar-11 26-	26-Apr-11 230d				 	-9.11
1A-24-5A-1080	Earthworks New Link Road		_				 	 	
1A-24-5A-1090	Capping layer (600mm)								••••• ••••
1A-24-5A-1100	Drainage and Outfalls								
1A-24-5A-1120	Ducts and Chambers							• • • •	
1A-24-5A-1110	Manholes & Catchpits (3nos)			1/-Mar-11 2600					
USI 1-AC-42-AT	Controlly Monte		2041 28 Anr 11 10-						
		The second s	Ē	Contraction of the		4 13-Mav-11 SURFACING			·····
1A-24-5A-1150	220mm Sub-base		÷.,						
1A-24-5A-1160	225mm Base			11-May-11 248d					
1A-24-5A-1170	60mm Binder Course		11-May-11	12-May-11 248d					
1A-24-5A-1180	35mm Surface Course - Main Carriageway and Boundary	1 Carriageway and Boundary	1d 12-May-11 13-	13-May-11 248d					
ROAD FINISHING			08-May-11	13-duo-11 230d			NINSHING		
14-24-5A-119U	Parapets, Guaro rails								iree iree
1A-24-5A-1210	Installation of traffic light control	IOI	-01 13-May-11 13-			·····			•••••
1A-24-5A-1220	Koad Signs and Markings			10-Way-11 2400					
1A-24-5A-1230	Remove temporary traffic management	nagement	10.00			·····		****	····
COMMISSIONING AND TESTING			13-Jun-11	20-Jun-11 230d		Z0-Jun-{1, COMMISSIONING	NONING AND TESTING		
1A-24-5A-TEST-100	Handover / Acceptance of Roadworks and Trackworks	adworks and Trackworks		20-Jun-11 230d			 	****	****
1A-24-5A-TEST-110	Start remaining E&M works along track	long track	0d 20-Jun-11	2304		 Start remaining E&M works along teach 	works along track		
TTM PHASE 7 (CH 160-450)	0		151d 08-Aug-10 23-	March11 4186	Þ	TTM PHASE 7 (CH.	- 160-450)		
1A-24-TTM-07-1000	TTM PHASE 7 - Road closed (Ch.200-450)	1 (Ch 200-450)	09-Aug-10	ì		d (Ch 200-450)			
1A-24-TTM-07-1020	Old Ports Road Diversion Available / Forth Ports Licence	allable / Forth Ports Licence	04 03-	09-Aug-10 4180 23-Mar.11 4184		Koag Uwersion Available / Forth Ports Licence			
			DO. Auna 10		TEMPORADY			***	***
I 14-248-7-1000	Establish temporary traffic management	anagement					•••••	 	
1A-24B-7-1010	Site clearance			ľ				 	
1A-24B-7-1020	Investigate services / outfall p	Investigate services / outfall positions / inlet-outlet positions /	11-Aug-10	í.					
	levels			1				 	
Lindsay Road Retaining Wall W1A - Phase 2 Delimination and the accounting	II W1A - Phase 2		304 00-Aug-10 23- 304 00-Aug-10 20-	23-Mar-11 418d	20.Sep-10 Preliminar	23-Mar-11, Lindsay Road Retaining	g Wall WIA - Phase 2		
1A-24-7-W1A-100	Mobilisation, site installation and temporary fencing	and temporary fencing	5d 09-Aug-10 16-	16-Aug-10 418d	. (2)		 		
1A-24-7-W1A-11D	Excavation							A = = A = = = A = = = A	
RW Structure	Dist Countering	A CONTRACTOR OF A CONTRACTOR		08-Dec-10 475d	08-Dec-1	0. RW Structure	· · · · ·		
1A-24-7-W1A-120			554 n7 Sec 10 23-			· · · · · · · · · · · · · · · · · · ·	····	 	
1A-24-7-W1A-140	Coping					*****		***** ***** *****	
Date	Devinion	Annual	Date 5 of 44	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·				
Project Carlisle Progr	88	a Approved		Remaining Work	ľ	Summary			
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(Revision 00)		EDINBURGH	EDINBURGH TRAM NETWORK	
CI Annio	Activity Name	Original Start Finish Duration	Total Float D10	2011 2013 2013 2013 2013 2013 2013 2013
RW Finishing Works and Bac	skilling	69d 02-Dec-10 :23-Mar-11		22-Mar-11, RW Finishing Works and Backfilling
1A-24-7-W1A-150	Waterproofing	02-Dec-10		
1A-24-7-W1A-160	Drainage	Bd 09-Dec-10 21-Dec-10		
1A-24-7-W1A-190	Brickwork		••••	
1A-24-7-W1A-17D	Stone drainage trench		418d	
1A-24-7-W1A-180	Backfill and compact (incl. demolition of exist. RW)	23-Dec-10	416d	
1A-24-7-W1A-200	Vehicle Parapets	11-Mar-11	118d	
1A-24-7-W1A-210	LINUSAT RUAD RW WIA CUMPLETE	10 11 10	4160	
Tower Place Bridge (S17)		15-3d 12-3u-10 11-Mar-11		11-Mar-11, Ocean Lemmako Port of Lean
1A-1-S17-1000	TOWER PLACE BRIDGE (\$17) STRUCTURE COMPLETE	0d 14-Feb-11	٠	TOWER PLACE BRIDGE (\$17) STRUCTURE COMPLETE
Procurement		12-Jul-10	27-0dt-10	Procurement
0101-712-1-91	Precast beams		D072	
14-1-51/-1020	Precast (amp units Durching	30d 12-30-10 04-06-10 30d 16-Sen-10 27-06-10	40.00	
Works to East Obvitment	S. Internet		312d DS AUT 10 Morks th East An	
	Install temporary works to excavation			
1A-1-S17-1140	Demolition of existing abutment structure	13-Jul-10	297d 🗐	
1A-1-S17-1160	Install reinforcement to abutment base	4d 21-Jul-10 26-Jul-10	297d	
1A-1-S17-1170	Construct formwork to abutment base	27-Jul-10	312d	
1A-1-S17-1180	Pour concrete to base	1d 29-Jul-10 29-Jul-10	312d 1	
1A-1-S17-1190	Strip base formwork	30-Jul-10	312d	
1A-1-S17-1200	Construct formwork to ballast walls	03-Aug-10	312d	
1A-1-S17-1210	Pour concrete to ballast walls	05-Aug-10		
Works to East, West and Central Piers	tral Piers		310d C 09-Aug-10, Works to East, W	lest and Cerlital Piers
1A-1-S1/-1230	Demolition to expose existing reinforcement on south side of pier	/d 12-Jul-10 20-Jul-10	2100	
1A-1-S17-1240	Dowel bars to existing pile cap	4d 21-Jul-10 26-Jul-10	3100	
1A-1-S17-1270	Installation of metal frame to form shutter for new pier base	5d . 27-Jul-10 03-Aug-10	310d D	
1A-1-S17-1280	Installation of prefabricated pier base reinforcement cage	2d 03-Aug-10 04-Aug-10	310d ¥	
1A-1-S17-1290	Pour concrete to bases	05-Aug-10	3104	
1A-1-517-1300	Shutter and pour concrete/grout to bearing plinth	~		
Works to West Abutment		12-JuH10	311d D6-Aug-10, Works to West Al	ntment
14-1-S17-1360		01-10-21	3 2200	
1A-1-51/-1390	Construct formwork to abutment base	20 15-JUL-10 18-JUL-10 18-JUL-10		
14-1-517-1410	Construct formwork in hallest walls	21-1-1-10	3004	
1A-1-S17-1420	Pour concrete to ballast walls	23-Jul-10	3204	
1A-1-S17-1350	Cut Back existing capping beam and sheet piling	27-Jul-10	297d	
14-1-517-1360	Demolition of existing abutment structure	29-Jul-10	297d	
Demolition of South cope and deck	deck	09-Aug-10	26-Aug-10. Demolition	of South cope and deck
1A-1-S17-1460	Cut and remove existing parapet cope by diamond wire saw			
1A-1-S17-1480	Remove existing deck section by robalition	10d 13-Aug-10 26-Aug-10	297d	
Installation of precast beams and	ā	27-Aug-10	448d 448d 448d 448d 448d 448d	of precast beams and bearings
1A-1-S17-1490	Erection of temporary works to support beams	27-Aug-10	297d	
14-1-51/-1500	Bearing base plates grouted into position	02-Sep-10	297d	
1A-1-51/-1510	Installation of precast beams		2974	
1A-1-S17-1530	Installation of pearings including all grouting Allow grout to achieve required compressive strength	ad uo-Sep-10 14-Sep-10 4d 15-Sep-10 20-Sep-10	29/0	
Date Revisi	on Checked Approved	Page 6 of 44	Remaining Work Critical Remaining Work	Summary

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	Project Carilsie Programme (Revision 00)	<u> </u>	EDINBURGH T	EDINBURGH TRAM NETWORK	BILFINGER BERGER SEMENS CA	
$ \begin{array}{ $	ctivity ID	Activity Name	anal Start Finish Mon	I A S Oct N	M A S Oct N D Jan F M Apr M J Jul A S Oct N Dec	
$ \begin{array}{ $	1A-1-S17-1540	Remove temporary supports	21-Sep-10	•==		
No.517 (100) Kundi Mode	South footway works 1A-1-S 17-1630	Install service duction to south footway	28-Oct-10 28-Oct-10	03-NoV-10	ootway	
No.4517(1600 Unstant land controls Decision Decision <thdecision< th=""> Decision<td>1A-1-S17-1640</td><td>Kerbing</td><td>28-Oct-10</td><td>297d</td><td></td></thdecision<>	1A-1-S17-1640	Kerbing	28-Oct-10	297d		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1A-1-S17-1650	Install infill concrete		297d		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1A-1-S17-1660	Divert services back to South footpath (by others)				
Holis (1/16) Intall interaction and site also according Bit is Stackpin Bit is Stackpin <td>Concrete works to South De</td> <td>tk section</td> <td></td> <td>15-Nov-10,</td> <td>te works to South Deck</td>	Concrete works to South De	tk section		15-Nov-10,	te works to South Deck	
$ \begin{array}{c} (k = k + 1/2) \\ (k = k$	1A-1-51/-1550	Install formwork to deck stab extension		23/0		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	10-12-17-1-200	Install reinforcement to deck stap Dour concrete to deck stab		PLOC		
	14-1-517-1580	Four contracter to deck statu Install formwork for deck cope		297d		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1A-1-S17-1590	Paur concrete to deck cope		297d		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1A-1-S17-1610	Strip formwork to underside of deck section (allowing for		2994		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1A-1-S17-1600	required curring period) Install pedestrian/cycleway barrier to cope	26-Oct-10	297d		
Ansist Total Total <t< td=""><td>1A-1-S17-1620</td><td>Waterproofing to deck concrete</td><td>26-Oct-10</td><td>297d</td><td></td></t<>	1A-1-S17-1620	Waterproofing to deck concrete	26-Oct-10	297d		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Pontoon			20		
Mark Strat/100 Inability for final if enricial aduing to hoth version of the Fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the Fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the Fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the Fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the Fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the Fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the fabriel 1 2013 Automatical for final if enricial aduing to hoth version of the fabriel 1 2014 Automatical for final if enricial aduing to hoth version of the fabriel 1 2014 Automatical for final if enricial aduing to hoth version of the fabriel 1 2014 Automatical for final if enricial for final	1A-1-S17-1820	Pantoon		297d		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	North verge works			2970	4-Feb-11. North verge works	
Ar-517-1810 Intall andering suspended from underside of entits Ed GF=E-h11 2004 E E (A-557-1610 Intall ducing suspended from underside of entits 616-Feb-h11 2004 2004 1 (A-557-1610 Cat and remove existing suspended from underside of entits 105 GC=101 7:36 GC=101 7:3	1A-1-S17-1790	Install service ducling to North verge		297d		
Attach Control Control <th< td=""><td>1A-1-S17-1800</td><td>Install infill concrete</td><td></td><td>2974</td><td></td></th<>	1A-1-S17-1800	Install infill concrete		2974		
Market is first of fidge Market is fidge M	1A-1-517-1810		08-Feb-11			
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33.3Tim Primae Ch. 130 (BD Charaman Deck)201 (Cold)14421-33.35Tim Primae Ch. 130 (BD Charaman Deck)23261 (Soch)13261 (Soch)14422.45.6Ch. 130 (BD Charaman Deck)23261 (Soch)1326-(Ch)1326-(Ch)1326-(Ch)2.46Cold)130-(Ch)1461461462.40France246 (Soch)130-(Ch)14612.41Cold)130-(Ch)14614612.41Cold)130-(Ch)146112.41Soch)130-(Ch)146112.41Cold)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)130-(Ch)146112.41Soch)14114114112.41Soch)141141112.42Soch)141141112.42Soch)141141112.42Soch)1411112.44Soch)1411112.45Soch)14111 </td <td></td>	
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489 Eacr Pedestrian Barer 53. 66-Oct-10 13-Oct-10 14d 1 </td <td>83d X 15-Feb-12, Section Wide</td>	83d X 15-Feb-12, Section Wide
Protect Dwart Walls (Listed Monuments) 0d 13-Oct-10 54d Protect Dwart Walls (Listed Monuments) 0d 13-Oct-10 54d Protect Dwart Walls (Listed Monuments) 14d Protect Dwart Walls (Listed Monuments) The Removal The Removal 4d 13-Oct-10 15-Oct-10 45d Protect Dwart Walls (Listed Monuments) Investigate services / outfall positions / interluction 41 3d 4d 2-Out-10 45d Protect Dwart Walls Protect Dwa	0
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Installation of traffic light control - Junction 43 and 10 febra 12 02 febr 12 02 febr 12 05 febr 1	834
installation of traffic light control - Junction 44 6d 02-Feb-12 0Feb-12 05 8d installation of traffic light control - Junction 45 3d 10-Feb-12 15-Feb-12 05 00 4d installation of traffic light control - Junction 45 3d 10-Feb-12 15-Feb-12 05 00 4d installation of traffic light control - Junction 45 3d 10-Feb-12 15-Feb-12 05 00 4d installation of traffic light control - Junction 45 3d 10-Feb-12 15-Feb-12 05 00 4d installation of traffic light control - Junction 45 3d 10-Feb-12 15-Feb-12 05 00 4d installation of traffic light control - Junction 45 3d 10-Feb-12 15-Feb-12 05 0d in 14d installation for Carriageway and Track (ind for 13d 25-Oct-10 15-Nov-10 14d 15-Nov-10 15-Nov-10 14d 15-Nov-10 17-Nov-10 14d 15-Nov-10 14d 15-Nov-10 17-Nov-10 14d 15-Nov-10	83d
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Blinding Concrete 4d 22-Nov-10 14d B 250mm RC Improvement Slab (+ cure lag) 8d 26-Nov-10 17-Jan-11 14d 1 250mm RC Improvement Slab (+ cure lag) 8d 26-Nov-10 17-Jan-11 14d 1 1 Access for Track Laying 0d 19-Jan-11 14d 1	
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Access for Track Laying Dd 19-Jan-11 14d + Access for Track Laying Installation of Noise & Vibration Mat (freqd) Dd 19-Jan-11 14d + installation of Noise & Vibration Settrack (1x286m)(sleepers/rail) + mob 14d 19-Jan-11 04feb-11 14d	
Installation of Noise & Vibration Mat (if requ) 0d 19-Jan-11 14d 9-Jan-11 14d 9- installation of Noise & Vibration Settrack (1x286m)(sleepersirali) + mob 14d 19-Jan-11 08-Feb-11 14d	Access for
Set track (1x288m)(sleepers/rail) + mob	•
Welding & Grinding 6d 20-Jan-11	
1D-14Q-C5-1430 Final Rail Alimment. Check and Annime 64 21-1an-11 01-feb-11 446	
230mm Concrete Supporting Layer (+ cure lag) 10d 25-Jan-11 08-Feb-11	
1D-140-SP1-555 OLE Wall Fixings Inbound 6d 08-Feb-11 16-Feb-11 51d 2	
Date Revision Checked Approved Page 9 of 44 and Andre Checked Approved Summary	Critical Remaining Morth
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Activity ID	Activity Name		Original Start Duration	Finish 1	(dial Float D10	2011 2011 2011 2011 2011 2011 2011 2011	2012 2013 2013 2013
1D-140-SP1-523	-523 Mill Rail Joint / Sealing Compound	Compound	6d 03-Mar-11	11-Mar-11			
Drainage & Ducts 10-140-591-487	dts Outfall Connections		61d 15-Oct-10 5d 15-Oct-10	22-Feb-11 22-Ont-10	1514	V 22-Feb-11. Drainage & Ducts	
1D-140-SP1-478		bints		16-Nov-10			
1D-140-SP1-690		lers	0d 15-Nov-10	2	330	raction Ducts & Chambers	
1D-140-SP1-491	1	ers		17-Jan-11	16d		
1D-140-SP1-479	479 Aco Channel		3d 16-Nov-10	19-Nov-10	1714		
1D-140-SP1-492			4d 16-Nov-10	22-Nov-10	764		
1D-140-SP1-483	-483 Lighting Ducts		2d 18-Feb-11	22-Feb-11	304		·····
Crescont 10-140-SP1-504	-504 Excavate existing junction		1d 22-Feb-11	23-Feb-11	30d	ZZ-Mar-11, Grescent	·····
1D-140-SP1-515				09-Mar-11	304		
1D-14O-SP1-506			6d 09-Mar-11	17-Mar-11	304		
1D-140-SP1-507	-507 Footpath		3d 17-Mar-11	22-Mar-11	30d		
Pavement Construct	struction over tracks		56 15-Feb-11 24 15 Eah-14	23-Feb-11 10 Eah 11	404	23-Feb-11, Pavement Construction over tracks	
			14-10 Eah 11	31 Eah 11	- POP		
1D-140-SP1-601		Ŧ	2d 21-Feb-11	23-Feb-11	404		
Phase SPI Carriage	way Construct	Statement of the statement	01-volv-51- 678	03-Mar-11	1944	V 03-Mai-11, Phase SP1 Çamageway Construction	
1D-140-SP1-1003		riageway areas	44 15-Nov-10	19-Nov-10	29d		
1D-140-SP1-1004		inds/Crossings	8d ⁺ 08-Feb-11	18-Feb-11	304		
1D-140-SP1-1006				17-Feb-11	364		
10-140-51-01	-99/ Sub-base shape all carriageway areas	ageway areas	3d 10-Feb-11	21-Feb-11	040		
1D-140-SP1-1008					100	Tratic Sinnals	· · · · · ·
1D-140-SP1-999				28-Feb-11	128d		
1D-14O-SP1-1190	-1190 225mm Base		5d 21-Feb-11	28-Feb-11	34d		
1D-140-SP1-1021			2d: 28-Feb-11	02-Mar-11	34d		
1D-140-SP1-992	-992 35mm Wearing Course		1d: 02-Mar-11	03-Mar-11	34d		
Phase SP3 - Outbou	Phase SP3 - Outbound Ch.130,670 - 130,380 (Crescents to Princes Street)	Princes Street)	121d 22-Mar-11	13-Sep-11	144	13-Sep-11, Phase SP3 - Outbound	1 Ch. 130,670 – 130,380 (Crescents to Pr
1D-14P-SF3-300		- zaurtin Indatione	44 22-Mar-11	28-Mar-11	000		
1D-14P-SP3-578		Excavate to Formation for Carriageway and Track (incl for	6di 24-Mar-11	04-Apr-11	30d		
10 110 509 570	Capping/Type T/ Earning existing forths		Ed 24 Mar 11	04 Acr 11	1		
1D-14P-SP3-580		ation (onaoina)	0d 24-Mar-11		31d	Check suitability of formation (oncound)	
1D-14P-SP3-581		Capping Layer to Adjacent Carriageway (600mm)	5d 25-Mar-11	04-Apr-11	304		
1D-14P-SP3-582		ith Type 1 (Ave 220mm)	1d 04-Apr-11	05-Apr-11	36d		· · · · · · · · · · · · · · · · · · ·
1D-14P-SP3-583	-583 Installation of IMU Drains and Cable Ducting	s and Cable Ducting	2d. 05-Apr-11	07-Apr-11	36d		· · · · · · · · · · · · · · · · · · ·
1D-14P-SP3-584		I testing of Subgrade	1d:07-Apr-11	08-Apr-11	36d		
1D-14P-SP3-585			4d 08-Apr-11	14-Apr-11	36d		
1D-14P-SP3-586		t Slab (+ cure lag)	8d 14-Apr-11	26-Apr-11	36d		
1D-14P-SP3-587			0d: 09-May-11		304		
1D-14P-SP3-586 1D-14P-TRCK-70(3)	-566 Installation of Noise & Vibration Mat (if reqd) K-70(3) Set track (1x/38m/(sheners/rail) + moh	bration Mat (if reqd) pers(rail) + moh	14d 01-Jun-11	21-lin-11	14d 14d	 Installation of Noise & Vibration Mat (if requ) 	
1D-14P-SP3-590			8d 02-Jun-11	14-Jun-11	14d		
1D-14P-SP3-591		ons	8d 02-Jun-11	14-Jun-11	19d		· · · · · · · · · · · · · · · · · · ·
1D-14P-SP3-592		s and Loops		14-Jun-11	194		
1D-14P-SP3-593	-593 Final Rail Alignment - Check and Approve	teck and Approve	8d 03-Jun-11	15-Jun-11	14d		
Date Date Date Date Da	Revision (Checked Approved	Page 10 of 44	Remaining Work	I	ning Work	

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(Revision 00)		EDINBURGH	EDINBURGH TRAM NETWORK	Ore
Cliviny ID	Activity Name	Original Start Finish Duration	Total Float P10 201 1 Jul A S Oct N D Janl F M Apri M J J	11 2012 2012 10 2014 2015 2012 2012 2014 2014 2015 2015 2014 2015 2015 2015 2015 2015 2015 2015 2015
1D-14P-SP3-594	230mm Concrete Supporting Layer (+ cure lag)	07-Jun-11	144	
1D-14P-SP3-577	OLE Wall Fixings Outbound	6d, 21-Jun-11 29-Jun-11	44d	
10-141-010		11-07-07 11-07-01 00 11-07-07 11-07-01 00		45-Mil-14 Drainade & Duchs
1D-14P-SP3-570	Outfall Connections	-	294	····
1D-14P-SP3-571	Drainage to Discharge Points		75d	
1D-14P-SP3-572	Traction Ducts & Chambers	24d 04-Apr-11 09-May-11	Poc	
1D-14P-SP3-573	Comms Ducts & Chambers		Commis	Ducts & Chambers
1D-14P-SP3-574	Traffic Signal Ducts	4d 19-Apr-11 25-Apr-11	000	
c/c-FHS-H41-U1	Lighting Ducks			13-Sen-11 Cessant
1D-14P-SP3-836	Excavate existing junction			ļ
1D-14P-SP3-807	Kerbing			
1D-14P-SP3-818	Setted Area			1
1D-14P-SP3-809	Footpath	4d 07-Sep-11 13-Sep-11	14d	
Pavement Construction ave 1D-14P-SP3-821	er tracks 124mm Binder	3d 28-Jun-11 01-Jul-11		
1D-14P-SP3-792	35mm Wearing Course	01-Jul-11	334	
1D-14P-SP3-803	15mm Surface Treatment	100	33d	
Phase SP3 Carriageway Co	Instruction Pro- 200			21-Jul-11, Phase SP3 Carriageway, Construction.
10-141-2F3-003	Sup-base zzumm an samageway areas Karhina - Faethound/lelands/Crossings	104121-110-11 05-111-11		
1D-14P-SP3-608	Signs / Street Furniture		7.00 ⁴	
1D-14P-SP3-609	Sub-base shape all carriageway areas		52q	
1D-14P-SP3-607	Gullies		25d	
1D-14P-SP3-610	Traffic Signals	05-Jul-11	<u>3</u> d	Traffic Signals
1D-14P-SP3-611	Pedestrian Guardrails	2d D5-Jul-11 07-Jul-11 124 http://	3/d	
10-212-21-21	roupan works	District 1	224	
10-14P-SP3-614	60mm Binder	13-Jul-11	299	
1D-14P-SP3-615	35mm Wearing Course	15-Jul-11	25d	
Phase SP7 - Outbound Ch.1	hase SP7 - Outbound Ch.130,668 (East Atholi Crescent)		1514	20-Apr-12. Phase SP7 - Outbound
1D-14-SP7-769	Make good Formation with Type 1	06-Apr-12	100	
1D-14-SP/-//6	Commission and fasting of Submedo	04 06 Apr 12	-	
Division & Divisio	carly out inspection and resulty of oundrane	21-14/-30 C1-14/-12 08		DS-Aor-12 Dranaoe & Ducts
1D-14-SP7-765	Outfall Connections	27-Mar-12	104	[[
1D-14-SP7-766	Drainage to Discharge Points	29-Mar-12		
1D-14-SP7-767	Traffic Signal Ducts			
1D-14-SP7-768	Lighting Ducts	2d 04-Apr-12 06-Apr-12		
1D-14-SP7-772	Excavate existing junction	2d 23-Mar-12 27-Mar-12	9 PO1	
1D-14-SP7-773	Kerbing	10d 27-Mar-12 10-Apr-12		-
1D-14-SP7-774	Setted Area			
1D-14-SP/-//5	Footpath			
1D-14R-SP4-Ch.130,813-1	Phase SP4 - Ch.130,813 - 130,85/ (Coates Crescent / Atholi Crescent) 10-14R-SP4.618 Plane Main Carriageway for Overlay	3d 01-Mar-11 04-Mar-11	Direction of the second s	100,051
1D-14R-SP4-626	Core/Cast OLE Pole Foundations	18d 01-Mar-11 25-Mar-11	Pas	
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Activity ID	Activity Name	Orgenal Start Finish 1	total Float D10 2011 [Jul A S Octi N D Jani F M Apri M J Jul A S 0	Coti N D Jan F M Acri M J Jul A S Oct N Doctan F
10-14R-SP4-627	Excavate to Formation for Carriageway and Track (incl for CanningTyne 1)	13d 04-Mar-11 23-Mar-11		
1D-14R-SP4-628	Remove existing kerbs	13d 04-Mar-11 23-Mar-11	14d	
1D-14R-SP4-629	Check suitability of formation (ongoing)	04-Mar-11	 Check suitability of formation 	(ongoing)
1D-14R-SP4-630	Capping Layer to Adjacent Carriageway (600mm)	08-Mar-11		
1D-14R-SP4-631	Make good Formation with Type 1 (Ave 220mm)	23-Mar-11		
1D-14R-SP4-632	Installation of IMU Drains and Cable Ducting	25-Mar-11	ш Э	
1D-14R-SP4-633	Carry out inspection and testing of Subgrade		1	
1D-14R-SP4-634	Blinding Concrete			
1D-14R-SP4-635	250mm RC Improvement Slab (+ cure lag)	10d 08-Apr-11 22-Apr-11		
1D-14R-SP4-636	Access for Track Laying	0d 26-Apr-11	Accession Frack La	
10-14K-SP4-63/ 10-14P-TPCK-00/3/	Installation of Noise & Vibration Mat (if regg) Track Crossover 4 much	13d 26-Apr-11 16 May 11	14d	& Vibration Mai (if regd)
10-14/15-SIGN-70	contraction starts and the	1		
1D-14R-TRCK-70(3)	Set track (2x146m)/sleepers/rail) + mob			
1D-14R-SP4-640	Welding & Grinding		<u>-</u>	
1D-14R-SP4-641	Drainage / Rail Connections	9d: 17-May-11 31-May-11	₩ 	
1D-14R-SP4-642	Installation of IMU Boxes and Loops	9d: 17-May-11 31-May-11	100 P9	
1D-14R-SP4-643	Final Rail Alignment - Check and Approve	9d'18-May-11 01-Jun-11		
1D-14R-SP4-644	230mm Concrete Supporting Layer (+ cure lag)	-	404	
Drainage & Ducts	Cuttin Constitution		640 03-May-11; Drahage	e & Ducts
10-140-CD4 674	Outrail Connections Designed to Discharge Boints	14-10 Windows 11 - Windows 11		
10-140-504.622	Transing to Usoriaryo Founds Transion During & Chambere			
1D-14R-SP4-623	Commis Ducts & Chambers			
1D-14R-SP4-624	Traffic Signal Ducts			
1D-14R-SP4-625	Lighting Ducts	14di 12-Apr-11 03-May-11	10 1958	
Shandwick Place Tram Sto	こうしいれたい ないない アンジンド マンワント うち	26-March1	Trd	randwick Place Tram Stop
1D-14R-SP4-646	Ducting and Chambers	15d 25-Mar-11 18-Apr-11	28g	
1D-14R-SP4-647	Tramstop Platform	40d 18-Apr-11 15-Jun-11		
1D-14R-SP4-648	Deliver and Install Tramstop Shelter (tba)		58d Cliner and Ins	Deliver and Install Tramstop Shelter (tba)
Pavement Construction ov 1D-14R-SP4-1020	er Iracks 124mm Binder	3d 15-Jun-11 20-Jun-11	52d	08-Jul-11. Pavement Construction over tracks
1D-14R-SP4-841	35mm Wearing Course	20-Jun-11	52d	
1D-14R-SP4-802	15mm Surface Treatment	06-Jul-11	414	
Phase SP4 Carriageway Co	unstruction			Phase SP4 Carrisgeway Construction
1D-14R-SP4-844	Sub-base 220mm all carriageway areas	4d: 23-Mar-11 29-Mar-11	184 1	
1D-14R-SP4-895	Kerbing - Eastbound/Westbound K7	29-Mar-11	0	
1D-14R-SP4-847	Signs / Street Furniture		214	
1D-14R-SP4-868	Sub-base shape all carriageway areas	05-Apr-11	23 	
1D-14R-SP4-866	Gutties	08-Apr-11	1981	
1D-14R-SP4-849	Traffic Signals	2d 12-Apr-11 14-Apr-11		
10 110 201 001				
1D-14R-SP4-822	225mm Base - Nearside Lanes only	5d 13-Apr-11 20-Apr-11		
1D-14R-SP4-843	Kerbing - Tramstop K7/K11		POP	
1D-14R-SP4-854	Setted Area		-004	
1D-14R-SP4-905	225mm Base	28-Jun-11	416	
1D-14R-SP4-876	60mm Binder		410	
	Revision Checked Åpproved	Page 12 of 44 Remaining Work	g Work Critical Remaining Work	
29. III-10 Propert Carlisle Proors		12 AUGUST 23		

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(Revision 00)		EDINBURGH IRAM NELWORK		
citivity ID	Activity Name	Original Start Finish Total Float Buration	301D10 2011 2011 2011 2012 2011 2012 2012	S IOH N Decitani F
1D-14R-SP4-857	35mm Wearing Course	04-Jul-11 06-Jul-11		
Phase SP5 - Outbound Ch.1	Phase SP5 - Outbound Ch.130,850 - 130,813 (Palmerston Place - Crescents)	13-Sep-11 07-Nov-11	14d 07-Nov-11, Phase SP5 - Outbound Ch.130,850	0,850 – 130,613 (Palmer
1D-14VV-SP5-703	Plane Main Carriageway zourum Core/Cast OLE Pole Foundations	2d 13-Sep-11 15-Sep-11		
1D-14W-SP5-738	Excavate to Formation for Carriageway and Track (incl for CanningTyne 1)	14-Sep-11 16-Sep-11		
1D-14W-SP5-719	Remove existing kerbs	2d 14-Sep-11 16-Sep-11		
1D-14W-SP5-940	Check suitability of formation (ongoing)	14-Sep-11	 Check suitability of tormation (ongoing) 	
1D-14W-SP5-741	Capping Layer to Adjacent Carriageway (600mm)	15-Sep-11 16-Sep-11		
1D-14W-SP5-722	Make good Formation with Type 1 (Ave 220mm)	19-Sep-11		
1D-14W-SP3-/23	Installation of IMU Urains and Cable Ducting Carry out inspection and testion of Subrade	20_Sep-11 21_Sep-11		
1D-14W-SP5-805	carly our inspection and resing of ougrace Blinding Concrete	21-Sep-11 22-Sep-11		
1D-14W-SP5-756	250mm RC Improvement Slab (+ cure lag)	22-Sep-11 23-Sep-11		
1D-14W-SP5-737	Access for Track Laying	0d 04-Oct-11	14d	
1D-14W-SP5-748	Installation of Noise & Vibration Mat (if reqd)	0d 04-Oct-11	• Installation of Noise, & Vibration Mat (freedd)	
1D-14W-TRCK-70(3)	Set track (1x36m)(sleepers/rail) + mob	04-Oct-11 12-Oct-11		
1D-14W-SP5-950	Welding & Grinding	05-0ct-11 0/-0ct-11		
1D-14W-SP5-751	Drainage / Kail Connections			
1D-14W-SPO-732 1D-14M/SP5-733	Installation of IMU boxes and Loops Final Rail Alimment - Check and Approve	06-Oct-11 10-Oct-11		
1D-14W-SP5-784	230mm Concrete Supporting Laver (+ cure lag)	10-0ct-11 12-0ct-11		
1D-14W-SP5-815	Road Signs and Markings	25-Oci-11 04-Nov-11		
1D-14W-SP5-786	Mill Rail Joint / Sealing Compound	1 07-Nov-11		
Drainage & Ducts	がいたとうのためのないのないのであってい	13-Sep-11 28-Sep-11	28 Sep-11, Dratinage & Ducts	
1D-14W-SP5-731	Outfall Connections	15-Sep-11		
1D-14W-SP5-712	Drainage to Discharge Points	20-Sep-11		
1D-14VV-SP5-713	Fraction Ducts & Chambers Comme Ducts & Chambers	16-Sep-11 21-Sep-11		
1D-14W-SP5-795	Traffic Signal Ducts			
1D-14W-SP5-746	Lighting Ducts	1 28-Sep-11		
Pavement Construction ow	et tracks	11.28-00-11	W 26-Oct-11. Pavement Construction over	tracks
1D-14W-SP5-846	124mm Binder			
129-542-542-101	Jomm Weating Course	26-Oct-11 21-Oct-11		
Greatent		13-Oct-11	Test 13-Ott-11, Crescent	
1D-14W-SP5-1030	Excavate existing junction	22-Sep-11 23-Sep-11	394	
1D-14W-SP5-B51	Kerbing	10-Oct-11	384	
1D-14W-SP5-812	Setted Area	10-Oct-11		
1D-14W-SP5-823	Footpath	13-Oct-11	284	
Phase SP5 Carriageway Co 1D-14/W-SP5-845	sontruction (incl creacent) Sub-base 220mm all carradeway areas	2/d l6-Sep-11 25-00-11 2 4d 16-Sep-11 22-Sep-11 1	25-Oct-11, Phase SPS Carriageway Cdns 14d	uction (incl crescent)
1D-14W-SP5-816	Kerbing - Eastbound/Islands/Crossings	22-Sep-11 26-Sep-11		
1D-14W-SP5-787	Gullies	23-Sep-11 27-Sep-11		
1D-14W-SP5-798	Signs / Street Furniture	26-Sep-11 03-Oct-11	14d	
1D-14W-SP5-779	Sub-base shape all carriageway areas Tooffa character	1d 26-Sep-11 27-Sep-11	1801	
1D-14W-SP5-791	Footpath Works	26-Sep-11 10-Oct-11		
1D-14W-SP5-762	225mm Base	04-Oct-11		
Date F	proved	Page 13 of 44 Remaining Work	Critical Remaining Work	
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(Revision 00)	0	EDINBU	RGH T	EDINBURGH TRAM NETWORK	BILFINGER BERGER		
Activity ID	Activity Name	Onginal Start Duration	Frnish 1	Total Float 010	2011 M And M 1 5 301 A 1 S Cotl N D	2012 San F M And M 1 1 141	A S Del N Dad Jan F
1D-14W-SP5-783	60mm Binder	1d 21-Oct-11	24-Oct-11				
1D-14W-SP5-824	35mm Wearing Course	1d' 24-Oct-11	25-Oct-11	144	-		
Phase SP6 - Inbound Ch.130,950	7	11-VOV-70 D88	23-Mar-12	IDd		23-Mar-12, Phase SP6	SP6 - Inbound Ch. 130,960
1D-14X-SP6-886	Core/Cast OLE Pole Foundations	3d 07-Nov-11	10-Nov-11	214			
1D-14X-SP6-878	Plane Main Carriageway 250mm Eventship to Eventship for for for the form	11-VON-11 102	11-VON-01	20 T			
10-144-510-000	excavate to Formation for Carriageway and Litack (inc) for Capping/Type 1)	11-400-01 04	11-ADN-17	8	5		
1D-14X-SP6-859	Remove existing kerbs	4d 15-Nov-11	21-Nov-11	204			
1D-14X-SP6-1050	Check suitability of formation (ongoing)	0d 15-Nov-11		114	◆ Chec	ck suitability of formation (ongoing)	
1D-14X-SP6-871	Capping Layer to Adjacent Carriageway (600mm)		21-Nov-11	iod			
1D-14X-SP6-832	Make good Formation with Type 1 (Ave 220mm)	1d. 21-Nov-11	22-Nov-11	204			
1D-14X-SP6-853	Installation of IMU Drains and Cable Ducting	2d' 22-Nov-11	24-Nov-11	204	-		
1D-14X-SP6-864	Carry out inspection and testing of Subgrade	1d, 24-Nov-11	25-Nov-11	204			
1D-14X-SP6-915	Blinding Concrete		29-Nov-11	204			
1D-14X-SP6-896	250mm RC Improvement Slab (+ cure lag)	L1-VON-62 bc	12-Jan-12	DOZ			
1D-14X-SP6-887	Access for I rack Laying	00 30-Jan-12		Dot		I rack Laying	
1D-14X-SP6-898	Installation of Noise & Vibration Mat (if regd)	00 30-Jan-12	00 Eah 13	100			ration Mat (ir rego)
1D-14X-SDE 1060	Velding & Grinding		06-Feh-12	Pot		1.6	
1D-14X-SP6-881	Drainage / Rail Connections		06-Feb-12	140			
1D-14X-SP6-842	Installation of IMU Boxes and Loops		06-Feb-12	14d			
1D-14X-SP6-863	Final Rail Alignment - Check and Approve	4d: 01-Feb-12	07-Feb-12	15d			· · · · ·
1D-14X-SP6-874	230mm Concrete Supporting Layer (+ cure lag)	5d 03-Feb-12	10-Feb-12	104		P .	
1D-14X-SP6-877	OLE Wall Fixings Inbound	3d 10-Feb-12	15-Feb-12	374			
1D-14X-SP6-852	Mill Rail Joint / Sealing Compound	3d 27-Feb-12	01-Mar-12	26d			
Urainage & Ducts 1D_14X_CD6_1120	Cuttal Connections	10-00-10 01-	08-Nov-11	0.00		18-Jan-12, Urainage & Uuci	
1D-14X-SP6-951	Drainage to Discharge Points	7d: 15-Nov-11	24-Nov-11	16d			
1D-14X-SP6-922	Traction Ducts & Chambers	74 21-Nov-11	30-Nov-11	26d	••••	· · · · · · · · · · · · · · · · · · ·	
1D-14X-SP6-933	Comms Ducts & Chambers	74, 21-Nov-11	30-Nov-11	284	•••••	······ ····· ····· ·····	
1D-14X-SP6-944	Traffic Signal Ducts	4d 24-Nov-11	30-Nov-11	16d			
1D-14X-SP6-975	Lighting Ducts	2d 16-Jan-12	18-Jan-12	57d			
Pavement Construction ov	it tracks 474 mere Binder	8d 17-Feb-12 9d 47 Eah 19	27-Fab-12	284 :	2000 2000 2000 2000 2000	27+Feb+12, Pavement	Construction over tracks
10-010-010-010	25mm Wonder Courses	14 01-Feb-10	21-reu-12				
1D-14X-SP6-858	Jornin vealing Course	1di 24-Feb-12	27-Feb-12	284	**** **** ****		
Phane SP8 Carrisonway Co	distruction find areachon	78d 21-Nov-11		P01		23-Mar-12. Phase	SP6 Carriadeway Constructs
1D-14X-SP6-990	Sub-base 220mm all carriageway areas	4d' 21-Nov-11		POL	0		
1D-14X-SP6-801	Kerbing - Eastbound/Islands/Crossings	9d 25-Nov-11	16-Jan-12	104			
1D-14X-SP6-793	Signs / Street Furniture	5d . 29-Nov-11	12-Jan-12	20d	.L		
1D-14X-SP6-834	Sub-base shape all carriageway areas	4d 11-Jan-12	17-Jan-12	17d			4,433
1D-14X-SP6-782	Gullies	2d 13-Jan-12	17-Jan-12	17d			
1D-14X-SP6-855	Traffic Signals		30-Jan-12	10d			*****
1D-14X-SP6-826	Footpath Works	11d 16-Jan-12 2d 26-Jan-12	31-Jan-12 30. Jan-12	480			••••••
10 11/Y CDS and	ADmin Binder	C1-10-00 P1	21-Teh-10				
1D-14X-SP6-799	35mm Wearing Course		24-Feb-12			·····	
1D-14X-SP6-1000	Finishes to Cresents	20d 24-Feb-12	23-Mar-12	104			
1D-14X-SP6-811	Road Signs and Markings	5d 24-Feb-12	02-Mar-12	25d			
Date Revisi	Revision Checked Approved	Page 14 of 44	Remaining Work	g Work Critical Remaining Work	Summary		
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(Revision 00)		EDINBUR	GH TRAN	EDINBURGH TRAM NETWORK	Chui
divity ID	Activity Name	Onginal Start Finish Duration	sh Total Float D10	D10 2011 2011 A S Oct N D Jan F M April M J J Jul A	2012 2013 2013 2013 2013 2013 2013 2013
Phase SP2 - Outbound Ch,13	Phase SP2 - Outbound Ch,130,960 – 130,850 (Palmeraton Place – Crescents)	12.0	01-Mar-11 14d	V 01-Mar-11, Phase SP	Ch.130,960 - 130,850 (Palmerston Place - Crescents)
1D-14V-SP2-525	Plane Main Carriageway 250mm				
1D-14V-SP2-535	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	7d 15-Nov-10 24	24-Nov-10 21d		
1D-14V-SP2-536	Remove existing kerbs	7d 15-Nov-10 24	24-Nov-10 25d		
1D-14V-SP2-537	Check suitability of formation (ongoing)	15-Nov-10			
1D-14V-SP2-538	Capping Layer to Adjacent Carriageway (600mm)	6d 16-Nov-10 24-	24-Nov-10 21d		
1D-14V-SP2-533	Core/Cast OLE Pole Foundations	3d' 24-Nov-10 29-	29-Nov-10 22d		
1D-14V-SP2-539	Make good Formation with Type 1 (Ave 220mm)	1d 24-Nov-10 25-	25-Nov-10 25d		
1D-14V-SP2-700	Installation of IMU Drains and Cable Ducting	2d 25-Nov-10 29-	29-Nov-10 25d		
1D-14V-SP2-541	Carry out inspection and testing of Subgrade	29-Nov-10	-		
1D-14V-SP2-542	Blinding Concrete	30-Nov-10		1	
1D-14V-SP2-543	250mm RC Improvement Slab (+ cure lag)		14-Jan-11 25d		
1D-14V-SP2-544	Access for Track Laying	0d 24-Jan-11	21d	 Access for Track Laying 	
1D-14V-SP2-545	Installation of Noise & Vibration Mat (if regd)			 Installation of Noise & Vibrat 	trion Mat (if reodd)
1D-14V-TRCK-70(3)	Set track (1x108m)(sleepers/rail) + mob	7d/ 02-Feb-11 11-	11-Feb-11 14d		
1D-14V-SP2-547	Welding & Grinding				
1D-14V-SP2-548	Drainage / Rail Connections	3d 03-Feb-11 08-	*		
1D-14V-SP2-549	Installation of IMU Boxes and Loops	3d 03-Feb-11 08-	08-Feb-11 18d		
1D-14V-SP2-710	Final Rail Alignment - Check and Approve	04-Feb-11			
1D-14V-SP2-551	230mm Concrete Supporting Layer (+ cure lag)	4d 08-Feb-11 14-			
1D-14V-SP2-534	OLE Wall Fixings Outbound	2d 14-Feb-11 16-	16-Feb-11 23d		
Drainage & Ducts	A MAR A MARKET A MARK	52d 22-0d-10 19 44 23 0d-10 20	19-141-11 - 430 20 Oct 10 454	19-Jan-11, Drainage & Ducts	
	During connections	01-00-22			
1D-14V-5F2-320 4D 44V/ CD2 534	Urainage to Discriarge Foints Traffic Stanal Ducte				
10-14/\.SP2-529	Trartion Durits & Chambers	24-Nov-10			
1D-14V-SP2-720	Comms Ducts & Chambers			Comms: Ducts & Chambers	
1D-14V-SP2-532	Lighting Ducts	2d 17-Jan-11 19-	19-Jan-11 43d		
Pavement Construction over	n. over tracks, see of the second	60 21-Feb-11 01-	01-Mar-11 14d	V 01-Mat-11, Pavement C	Sónstruction over tracks
1D-14V-SP2-553	124mm Binder	21-Feb-11	~		
1D-14V-SP2-554	35mm Wearing Course				
1D-14V-SP2-555	15mm Surface Treatment	28-Feb-11	01-Mar-11 14d		
Interest Camageway Co	successors 200mm all cardineevery areas	4d 24-Nov-10 30-	30-Nov-10 21d		Carriageway Construction
1D-14V-SP2-558	Kerbina - Eastbound/Islands/Crossings	30-Nov-10		····	
1D-14V-SP2-810	Signs / Street Furniture				
1D-14V-SP2-559	Gullies			-	
1D-14V-SP2-561	Sub-base shape all carriageway areas	17-Jan-11	-		
1D-14V-SP2-562	Traffic Signals			♦ Traffic Signals	
1D-14V-SP2-563	Footpath Works	6d 17-Jan-11 25-	25-Jan-11 39d	63	
1D-14V-SP2-564	225mm Base	4d 18-Jan-11 24	24-Jan-11 21d		
1D-14V-SP2-565	60mm Binder	2d 23-Feb-11 25	25-Feb-11 14d		
	35mm Wearing Course	. 25-Feb-11	28-Feb-11 14d		
Haymarket Ch:131,250 - 131,050	350	3444 15-Sep-10 16- 1104 15 Sep-10 17	16-Feb-12 59d		4 Maio Amo, Re-channel Side Maio Amo, Re-channel Side
1D-14CD-H1-861	Erect Pedestrian Barrier	16-Sep-10			
1D-14CD-H1-662	Site Clearance & Site Compound	17-Sep-10			
1D-14CD-H1-663	Plane Main Carriageway Area - south of access lane over vo	20-Sep-10			
Date	Revision Checked Approved Ps	Page 15 of 44			
Project Carlisle Prog	SSC/MHE BSC		Actual Mark		
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eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:e	2014-06-10 16-06-10 14-06-10 14-06-10 1040 20:56-10 25-56-10 22:56-10 1003 20:56-10 22:56-10 1003 12:56-10 10 12:56-10 1003 12:56-1003 12:56-103 12:56-1003 12:56-103 12:56-1003 12:56-1003 12:56-1003 12:56-1003	
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$ (2.1.C.1.H.C.1) \ \ \mbox for a for a$	1D-14CD-H1-910	Plane Access Area - Eastbound Lane	04-Feb-11		
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C) <	1D-14CD-H1-716	Kerbing K7 - Eastbound/Islands/Crossings	15-Feb-11		
	1D-14CD-H1-697	Kerbing K11			
Occose One One<	1D-14CD-H1-320	Sub-base share all carriademay areas			
Occ:0-0-1470 End 6 (bota) End 6 (bota)<	1D-14CD-H1-699	Gullies		l	
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Dirtectable Concentrations Concentrat	Phase H2 - Haymarket Sta	son frontage and approach to Viaduct			-Jun-11, Phase H2 - Haymarket Station frontage and
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Capinal Type 1) Capinal Type 1) 1D-14C+12-74 Remove sisting parts 1D-14C+12-74 Remove sisting parts 1D-14C+12-74 Remove sisting parts 1D-14C+12-76 Check suitability of formation (nogoing) 1D-14C+12-76 Check suitability of formation 1D-14C+12-715 Mart 10001 1D-14C+12-715 Mart 100001 1D-14C+12-8	1D-14G-H2-683	Excavate to Formation for Carriageway and Track (incl for	23-Mar-11		
10-146-H2-714 Remove existing facts 2d 33-Mar-11 353d 1 10-146-H2-725 Check suitage facts 2d 33-Mar-11 313d 1 10-146-H2-785 Capted string-work (60mm) 6d 33-Mar-11 313d 1 10-146-H2-885 Capted string-work (60mm) 6d 33-Mar-11 313d 1 10-146-H2-885 Capted string-work (60mm) 6d 33-Mar-11 314de-11 33d 10-146-H2-885 Capted string-work (60mm) 6d 33-Mar-11 31-Mar-11 33dd 10-146-H2-885 Care/Cast OLE Pole Foundations 6d 33-Mar-11 31-Mar-11 33dd 10-146-H2-865 Care/Cast OLE Pole Foundations 6d 32-Mar-11 31-Mar-11 33dd 10-146-H2-715 Investigate services / outfall positions / Inle-outfal posit		Capping/Type 1)			
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Ib-14G-H2-696 Currentions 1D-14G-H2-696 Outriall Connections 1D-14G-H2-696 Outriall Connections 1D-14G-H2-677 Distance to Discharge Points 5d 23-Mar-11 27-Mar-11 17-3d 1D-14G-H2-689 Transioge to Discharge Points 5d 31-Mar-11 26-Mar-11 17-3d 0 1D-14G-H2-689 Transioge to Discharge Points 5d 31-Mar-11 0.6-Apr-11 17-3d 0 1D-14G-H2-689 Transing to Discharge Points 5d 31-Mar-11 0.6-Apr-11 17-3d 0 0 1D-14G-H2-689 Transing Ucts 3d 31-Mar-11 0.6-Apr-11 17-3d 0 0 0 1D-14G-H2-881 Lighting Ducts 3d 31-Mar-11 0.6-Apr-11 17-3d 0 0 0 1D-14G-H2-849 Transing Ducts 2d 31-Mar-11 0.6-Apr-11 17-3d 0 0 0 1D-14G-H2-849 Lighting Ducts 2d 31-Mar-11 0.6-Apr-11 17-3d 0 0 0 1D-14G-H2-849 Ilphining Ducts 2d 31-Mar-11 0.6-Apr-11<	1D-14G-H2-715	Investigate services / outfall positions / inlet-outlet positions /	21-Mar-11		•
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Revision Checked Approved Page 17 of 44 Remaining Work Critical Remaining Work Project Carities Programme ISSC/MHE ISSC ISSC ISSC ISSC	1D-14G-H2-942	Place RC Improvement Slab (+ cure lag)	07-Apr-11		
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26 12-Main-11 15-Main	1D-14G-H2-1150	230mm Concrete Supporting Layer (incl cure lag)	25-Apr-11	-					
Initial control	Pavement Construction over	tracks 10/mm Bindor	12-May-11			20~Jun-11, Pg	avement Construction over	tracks	
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and 06-ware-11 7-2-ium-11 6004 ariageway areas d1 05-ware-11 1-3-ware-11 1-3004 mageway areas d2 -4-ware-11 1-1	1D-14G-H2-964	15mm Surface Treatment				-	enge nige reite		
amageway areas anageway areas a di G-May-11 11-May-11 13-0d (di la la di	Carriageway Construction We	stbound				1	vay Construction	Westbound	
and reconstructions 123 11-magerial 133 14 12-Jun-11 13-may-11 137 14 13-may-11 137 14 13-may-11 137 14 13-may-11 137 14 13-may-11 13-	1D-14G-H2-986	Sub-base 220mm all carriageway areas						 	
Imageway areas 5d $23.4m_{2}/11$ 13.4d $32.4m_{2}/11$ 13.4d $32.4m_{2}/$	10-146-12-90/ 10-146-H2-088	strengthened Neto (OLE30 130-0 1-11KE-0 1133) Kerhina K7 - Maethound/Jelande/Crossings	11-May-11						
Tiageway areas 4d (02-Jun-11 03-Jun-11 13-Jun	1D-14G-H2-1170	Signs / Street Furniture	23-May-11	L		- 10 - 10			····
Tiageway areas 4d 02-Jun-11 13.1d 14.1d 13.1d 13.1d 13.1d 14.1d 13.1d 14.1d 13.1d 14.1d 13.1d 14.1d 14.1d<	1D-14G-H2-979	Gullies	02~Jun-11						
44 07-Jun-11 13-Jun-11 <	1D-14G-H2-1001	Sub-base shape all carriageway areas						····	
adi 08-um-11 13/4 1 bit 14-um-11 13/4 bit 16 14-um-11 bit 16 16-um-11 bit 26 26-um-11	1D-14G-H2-962	Traffic Signals					 	 	
i $0.7 - 0.01 - 11$ 13.04 i $0.7 - 0.01 - 11$ 13.04 i 161.6 - 0.01 - 11 13.04 i $0.7 - 0.01 - 11$ 13.04 i 161.6 - 0.01 - 11 13.04 i $0.7 - 0.01 - 11$ 13.04 i 161.6 - 0.01 - 11 13.04 i $0.7 - 0.01 - 11$ 13.04 i 161.6 - 0.01 - 11 13.04 i $0.7 - 0.01 - 11$ 13.04 i i 1.6 - 0.01 - 11 13.04 i 0.6 - 0.01 - 11 $14.01 - 0.01$ i i i 1.6 - 0.01 - 11 13.64 i 0.6 - 0.01 - 11 $14.01 - 0.01$ 0.6 - 0.01 - 0.01 - 0.01 i 1.6 - 0.01 - 11 13.64 i 0.6 - 0.01 - 11 $14.01 - 0.01$ i 1.6 - 0.01 - 11 13.64 i 0.6 - 0.01 - 0.01 0.6 - 0.01 - 0.01 i 1.6 - 0.01 - 11 13.64 i i 0.6 - 0.01 - 0.01 i 1.7 - 0.01 - 11 13.64 i i 0.6 - 0.01 - 0.01 i 1.7 - 0.01 - 0.01 1.7 - 0.01 1.6 - 0.01 - 0.01 <t< td=""><td>1D-14G-H2-994</td><td>225mm Base</td><td></td><td></td><td></td><td></td><td></td><td>•••••</td><td>····</td></t<>	1D-14G-H2-994	225mm Base						•••••	····
1 1 <td>1D-14G-H2-1025</td> <td>Footpart Vorks 60mm Binder</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1D-14G-H2-1025	Footpart Vorks 60mm Binder		1					
Igs Ed 20-Unr-11 27-Unr-11 130d Igs Igs Field 55d 24-Mar-11 05-Unr-11 130d Igs Igs Igs Field 55d 24-Mar-11 05-Unr-11 16-Unr-11 16-Unr-11 Igs Igs Field 6d 08-Apr-11 18-Apr-11 16-Adr 16-Adr Igs Igs Field 11-May-11 18-Apr-11 18-Apr-11 136d Igs Igs Igs Field 16-Adr 11-May-11 19-Adr 10-Adr 10-Adr Igs Igs Field 16-Adr 11-May-11 10-Adr 11-Adr 10-Adr Igs Igs Field 16-Adr 11-Adr 11-Adr 10-Adr 10-Adr Igs Field 16-Adr 11-Adr 11-Adr 10-Adr Igs Field 17-Adr 12-Adr 10-Adr	1D-14G-H2-896	35mm Wearing Course	16-Jun-11						,
Side 24-Marchi 07-bit 07-bit <th07-bit< th=""> <th07-bit< th=""> <th07-bit< t<="" td=""><td>1D-14G-H2-977</td><td>Road Signs and Markings</td><td></td><td></td><td></td><td>6</td><td></td><td></td><td></td></th07-bit<></th07-bit<></th07-bit<>	1D-14G-H2-977	Road Signs and Markings				6			
Res 24-Main-11 36-Main-11 16-May-11	Haymarket Station		Z4-Mar-11			C6-Jun-11, Hay	market Station		
Res 4d 12-April 18-April 18-April 156d 8 165 17-May-1 18-April 156d 8 1 8 1		Exceveron							
4d 11-May-1 17-May-11 1386 1 156 17-May-11 1386 1 1 151 17-May-11 1386 1 1 153 17-May-11 18-Apr-11 1386 1 1 154 17-May-11 18-Apr-11 10d 1 1 1 164 17-May-11 10d 1 </td <td>1D-14G-H2-973</td> <td>Footpath Works / Finishes</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>••••</td> <td>••••</td>	1D-14G-H2-973	Footpath Works / Finishes						••••	••••
15d 17-May-11 08-Jun-11 13sd 1 r 21d 17-May-11 08-Jun-11 13sd 1 r 21d 17-Main-11 16-dit-11 10-dit r 1d 17-Main-11 10-dit 1 r 1d 13-Main-11 10-dit 1 r 1d 10-dit 10-dit 1 r 1d 07-dit-11 10-dit 1 r 1d 06-dit-11 10-dit 1 r 1d 06-dit-11 10-dit 1 r 1d 06-dit-11 10-dit 1 r 1d 11-dit 11-dit 1 r 2d 08-dit-11 10-dit 1 r 1d 11-dit 12-dit 1	1D-14G-H2-952	Kerbing K11	11-May-11	-		****	•		•••••
2/3 17-Mär-11 18-Apr-11 10d 1 <th1< th=""> <th1< th=""></th1<></th1<>	1D-14G-H2-984	Setted Areas	-			•		••••	···· ····
Erect Pedestrian Barrier 14. Mar-11 18. Mar-11 18. Mar-11 Site Clearance 14 17. Mar-11 18. Mar-11 Site Clearance 14 17. Mar-11 18. Mar-11 18. Mar-11 18. Mar-11 12. Mar-11 Ketbing 14 07. Apr-11 08. Apr-11 Sub-Apr-11 Sub-Apr-11 Sub-Apr-11 11. Apr-11 Foropath Works 23 08. Apr-11 12. Apr-1	Phase H3A - Ch.131,100 - 131,0	ISO (West Mailand Street)	17-Mar-11			18-Apr-11, Phase H3A	- Ch.131,100 - 131,050	(West Mailand Street)	
Site Clearance 1d 12-Mar-11 19-Mar-11 19-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 22-Mar-11 20-Apr-11 20-Apr-11 11-Apr-11 20-Apr-11 11-Apr-11 11-Apr-11 12-Apr-11 12-Apr-1	1D-14MN-H3A-976	Erect Pedestrian Barrier	17-Mar-11				- 10		
ratic main valuage way continine casuounid state over vous di 10-24 no-realent i zerolari i Ketbing 10-24 no-11 Sub-Apr-11 Sub-Apr-11 11-Apr-11 11-Apr-11 Footpath Works shape all carriage way areas 24:08-Apr-11 12-Apr-11	1D-14MN-H3A-957	Site Clearance	1/-Mar-11	1			karan karan		••••
Sub-base shape all carriageway areas 14'08-Apr-11'12-Apr-11 Footpath Works 24'08-Apr-11'12-Apr-11	1D-14MN-H3A-346	Kerbing Main Calliageway 20011111 - Eastooulla side over volus Kerbing	07-Apr-11				alaa		
Footpath Works 2d/08-Apr-11 12-Apr-11	1D-14MN-H3A-348	Sub-base shape all carriageway areas							
	1D-14MN-H3A-349	Footpath Works				0			
Signs / Street Furniture 11 12-Apr-11 12-Apr-11	1D-14MN-H3A-347	Signs / Street Furniture							
1d' 12-Apr-11 13-Apr-11	1D-14MN-H3A-490	225mm Base	12-Apr-11						
60mm Binder 14-Apr-11 14-Apr-11	1D-14MN-H3A-361	60mm Binder	13-Apr-11				 		
10-14MNH3A-352 35mm Wearing Course 1d' 14-Apr-11 15-Apr-11 10di 1 1 1	1D-14MN-H3A-352	35mm Wearing Course	14-Apr-11						••••
1d 15-Apr-11 18-Apr-11	1D-14MN-H3A-343	Road Signs and Markings	15-Apr-11						
Phase H3B - Chr.131/100 - 130,950 (West Maitland Street) 146d 18-Apt-11 11-Mou-11 77d 1	Phase H3B - Chi 131,100 - 130,8 10-14MN-H3B-665	960 (West Maitland Street) Frect Padestrian Barrier	18-Apt-11 18-Apt-11			· · · · · · · · · · · · · · · · · · ·	11-Nov-11, Phase H3B	H3B-Ch.131,100-	130,960 (West:Ma
Site Clearance 5d 18-Apr-11 25-Apr-11	1D-14MN-H3B-676	Site Clearance	18-Apr-11						
Core/Cast OLE Pole Foundations 5d 03-May-11 10-May-11	1D-14MN-H3B-705	Core/Cast OLE Pole Foundations	03-May-11					 	
4d 15-Sep-11 21-Sep-11	1D-14MN-H3B-686	OLE Wall Fixings	15-Sep-11						
		Checked Approved	te 18 of 44						
Project Carlisle Programme SSC/MHE BSC	Project Carlisle Progr	SSC/MHE BSC							

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Activity ID	Activity Name	Onginal Start Foush Duration	Total Float D10	2011 2011 2012 N D Jan E M Arr W J Jul A S Oct N Dec
1D-14J-JNCS-60	installation of traffic light control - Junction 46	8d 21-Sep-11 03-Oct-11	1064	
Drainage & Ducts 1D-14MN-H3B-668	Investigate services / outfail positions / intet-outlet positions /	2d 20-Apr-11 22-Apr-11 2d 20-Apr-11 22-Apr-11	1 164	28-2-un-11, Dramage & Ducts
A STATE OF A	levels			
1D-14MN-H3B-659	Outfall Connections	22-Apr-11	414	
10-14MN-H3B-000		11-1dv-07		
		12 USA 01 11-VEW 50 50 50		
1D-14MNLH3B-632	Currints Ducts & Criantoers Traffic Signal Ducts	10-Mav-11		
1D-14MN-H3B-684	Lighting Ducts	29-Jun-11		 Lighting Ducts
Outbound Track		57d 20-Apr-11 12-Jul-11	Inc. SIL	V 12-Jul-11; Outbound Ttack
1D-14M-H3B-778	Plane Main Carriageway 250mm	2d: 20-Apr-11 22-Apr-11	1 10d	
1D-14M-H3B-749	Excavate to Formation for Carriageway and Track (incl for CanningType 1)	6d 22-Apr-11 03-May-11	100	
1D-14M-H3B-960	Remove existing kerbs	2d 22-Apr-11 26-Apr-11	194	
1D-14M-H3B-761	Check suitability of formation (ongoing)	22-Apr-11		 Check suitability of formation (ongoing):
1D-14M-H3B-742	Capping Layer to Adjacent Carriageway (600mm)	2d 28-Apr-11 03-May-11	11 10d	
1D-14M-H3B-743	Make good Formation with Type 1 (Ave 220mm)	2d 10-May-11 12-May-11		
1D-14M-H3B-794	Installation of IMU Drains and Cable Ducting	2d 12-May-11 16-May-11	10 10	
1D-14M-H3B-825	Carry out inspection and testing of Subgrade	1d 16-May-11 17-May-11	11 tod :	
1D-14M-H3B-806	Blinding Concrete	2d 17-May-11 19-May-11		
1D-14M-H3B-777	Place RC Improvement Slab (+ cure lag)	4d 18-May-11 24-May-11		
1D-14M-H3B-788	+ Access for Track Laying	0d 26-May-11	p	Access for Track Laying
1D-14M-H3B-759	Installation of Noise & Vibration Mat (if regd)			 Installation of Noise & Vibration Mat (if regd)
1D-14M-TRCK-70(3)	Set track (1x144m)(sleepers/rail)			
1D-14M-H3B-781	Welding & Grinding	27-May-11		
1D-14M-H3B-752	Drainage/Rail Connections	27-May-11		
1D-14M-H3B-753	Installation of IMU Boxes and Loops	27-May-11		
1D-14M-H3B-804	Final Rail Alignment - Check and Approve	_		
1D-14M-H3B-835	230mm Concrete Supporting Layer (incl cure lag)	11-nul-20		
Pavement Construction over tracks	ver fracks			T-41-11, Payement Construction over tracks
1D-14M-H3D-/4/	124mm Binder			
1D-14MLH3R-730	15mm Surface Treatment	DR-Int-11		
Carriedon Masterial Masteria	. Maethound			10-Init-11 Carrianewood Construction Masthound
1D-14M-H3B-371	Sub-base 220mm all carriageway areas			
1D-14M-H3B-372	Kerbing K7 - Westbound/Islands/Crossings			
1D-14M-H3B-374	Signs / Street Furniture		Ļ	
1D-14M-H3B-425	Sub-base shape all carriageway areas	4d 24-Jun-11 30-Jun-11	1 Iod	
1D-14M-H3B-363	Gullies	3d 27-Jun-11 30-Jun-11		
1D-14M-H3B-376	Traffic Signals	4d 29-Jun-11 05-JuH-1	10d	
1D-14M-H3B-367	Footpath Works	7d 29-Jun-11 08-Jul-11		
1D-14M-H3B-368	225mm Base	3d 30-Jun-11 05-Jul-11		
1D-14M-H3B-359	60mm Binder			
1D-14M-H3B-550	35mm Wearing Course			
1D-14M-H3B-381	Road Signs and Markings			
Inbound Track 1D-14N-H3B-373	Plane Main Carriageway 250mm	2d'12-Jul-11 14-Jul-11 2d'12-Jul-11	100	1-Nøv-11, Inbound Track
Date R	Approved	Page 19 of 44		

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(Revision 00)	(00 u				ALCONT.
Activity ID	14 A	Activity Name	Ongraat Start Finish Duration	Total Float D10	2011 2013 2013 2013 2013 2013 2013 2013
	1D-14N-H3B-434	Lexcavate to Formation for Carriageway and Track (incl for Capping/Type 1)	6d 14-Jul-11 22-		
	1D-14N-H3B-485	Remove existing kerbs	2d 14-Jul-11 18-	18-Jul-11 12d	
	1D-14N-H3B-426	Check suitability of formation (ongoing)			Check suitability of formation (ongoing)
	1D-14N-H3B-377	Capping Layer to Adjacent Carriageway (600mm)	2d 20-Jul-11 22-	22Jul-11 29d	
-	1D-14N-H3B-369	Installation of IMU Drains and Cable Ducting			
	1D-14N-H3B-660	Carry out inspection and testing of Subgrade			
	1D-14N-H3B-431	Blinding Concrete		29-Jul-11 10d	
	1D-14N-H3B-472	Place RC Improvement Slab (+ cure lag)	4d 28-Jul-11 03-	03-Aug-11 10d 100	
-	1D-14N-H3B-433	Access for Track Laying	0d · 05-Aug-11	104	Appess for Track Laying
	1D-14N-H3B-474	Installation of Noise & Vibration Mat (if regd)			 Installation of Noise & Vibration Mat (if redd)
	1D-14N-TRCK-70(3)	Set track (1x144m)(sleepers/rail) + mob			1
	1D-14N-H3B-476	Welding & Grinding			
	1D-14N-H3B-427	Drainage/Rail Connections			
	1D-14N-H3B-428	Installation of IMU Boxes and Loops	05-Sep-11		
	1D-14N-H3B-379	Final Rail Alignment - Check and Approve	06-Sep-11		
	1D-14N-H3B-670	230mm Concrete Supporting Layer (incl cure lag)	08-Sep-11	15-Sep-11 10d	· · · · · · · · · · · · · · · · · · ·
	10-14N-H3B-4/1	Mill Rair Joint / Sealing Compound			
	Pavement Construction over tracks 1D-14N-H3R-382	r tracks 124mm Binder	22-Sep-11	26-Sep-11 33d:	
	1D-14N-H3B-383	35mm Wearing Course	26-Sep-11		
	1D-14N-H3B-384	15mm Surface Treatment		31-Oct-11 10d	
Ü	Carriageway Construction Westbound	Vestbound			V 04-Nok-11: Carriageway Construction Westbound
	1D-14N-H3B-386	Sub-base 220mm all carriageway areas			
	1D-14N-H3B-387	Drainage			
	1D-14N-H3B-520	Kerbing K11	11d 21-Sep-11 06	06-06-11 644	
	1D-14N-H3B-389	Kerbing K7 - Westbound/Islands/Crossings			
1	1D-14N-H3B-392	Setted Areas	15d 06-Oct-11 27-	27-Oct-11 69d	
	1D-14N-H3B-393	Signs / Street Furniture	5d 07-Oct-11 14	14-Oct-11 14d	
	1D-14N-H3B-394	Sub-base shape all carriageway areas			
	1D-14N-H3B-391	Gullies	17-Oct-11		
	1D-14N-H3B-395	Traffic Signals			
	1D-14N-H3B-396	Footpath VVorks	24' 20. Oct 11 28	28-UCF-11 004	
	10-14N-H3R-398	Somm Binder	25-Oct-11		
	1D-14N-H3B-399	35mm Wearing Course			
	1D-14N-H3B-530	Road Signs and Markings	28-Oct-11		
	Phase H4 - Haymarket Terrace Westbound	e Westbound	7d 27-Jun-11 06	06-Jul-11 168d	V 06-Jul-11. Phate Hit - Haymarket Tehrace Westbound:
	1D-14-H4-403	Erect Barrier	27-Jun-11		
	1D-14-H4-404	Site Clearance	28-Jun-11		
<	1D-14-H4-415	Plane Main Carriageway for Overlay	30-Jun-11		
	1D-14-H4-407	Road Signals and Markings	0110111	06-JuH11 130d	
	1D-14-H4-400	Jointh Surface Course			
	10-14-H5-409 Erect Barrier Superior Superior Super-	Erect Barrier			100000
	1D-14-H5-560	Site Clearance	14-Nov-11	16-Nov-11 61d	
	1D-14-H5-475	Excavalion	2d 14-Nov-11 16	16-Nov-11 61d	
Date	Revisio	on Checked Approved	Page 20 of 44	Remaining Work Critical Remaining Work	 Summary

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Activity (D	Activity Name		Original Start Duration	Finish Tol	otal Float D10 A 1 S 10ct N 1 D Jan F 1 M	2011 2011 A S 10ct N D	Jan F M Apr M	2012 2012 M J Jun A S loci	2013 N [Dec Jan] F
1D-14-H5-416	Kerbing		5d 16-Nov-11	23-Nov-11	61d				
1D-14-H5-419	Signs / Street Furniture		5d 22-Nov-11		614	180		·····	
1D-14-H5-600	Road Signals and Markings				0.30				
1D-14-H5-417	Footpath Works / Finishes		4d 23-Nov-11	28-Nov-11		•••••	 		
TU-14-H5-4 10		3 10 11 0 10 10 10 10 10 10 10 10 10 10 1				●18-	-Nov-11. Drainage & D	Ducts	
1D-14-H5-412	Investigate services / outfall positions / inlet-outlet positions /	/ inlet-outlet positions /	1d 14-Nov-11	15-Nov-11	64d		 		
1D-14-H5-413	levels Drainage to Discharge Points		3d 15-Nov-11	18-Nov-11	64d				
1D-14-H5-414	Traffic Signal and Lighting Ducts				1989 989				
Phase H6/1 - Dairy Road (central Island)	entral island)	A SALESSA	55d 11-Nov-11	13-Feb-12	62d		▼ 13-Feb-12,	Phase H6/1 - Dalry Road	(central (slarid)
Phase 1 10-14-H6/1-423	Erect Barrier for Island site	「「「「「「「「「「」」」」	2d: 11-Nov-11	15-Nov-11	290	sz • • • •	-Nov-11, Phase 1		2982 2982
1D-14-H6/1-424	Site Clearance		3d 15-Nov-11	18-Nov-11	59d				
1D-14-H6/1-435	Excavate and fill island for TM		2d. 18-Nov-11	22-Nov-11	59d				
Phase 2 4D 44 Held 477	Earth Barrier for Aland Ala		11d 27-Jun-12	13-Feb-12 30- Ion-13	620		13-Feb-12, F	Phase 2	
10-14-00/1-4//	Elect datiter for islant site Excavation			01-Feb-12	620				
1D-14-H6/1-429	Traffic Signal and Lighting Ducts		3d 30-Jan-12	02-Feb-12	P69		· · · · ·	•••••	
1D-14-H6/1-680	Core and Cast OLE Pole Foundations (1nr)	(1nr)	2d 01-Feb-12	03-Feb-12			1		
1D-14-H6/1-481	Kerbing			1	62d		Ca		
1D-14-H6/1-482	Footpath Works / Finishes				62d				
1D-14-H6/1-4/3	Plane Main Carnageway tor Overlay		34 07-Feb-12	10-Feb-12	000 	****	 		
10-14-H6/1-484	35mm Surface Course		1d 08-Feb-12	15	63d				
Phase H6/2 – Dairy Road Eastbound	astbound		23d 22-Nov-11	- 1	269	•	OB-Jan-12 Phase	e H6/2 - Dalry Road Eas	thound
10-14-H6/2-437	Erect Barrier		1d 22-Nov-11	23-Nov-11	594	-			
1D-14-H6/2-438	Site Clearance		2d 23-Nov-11	25-Nov-11	69d	97 			
1D-14-H6/2-439	Traffic Signal and Lighting Ducts		2d 23-Nov-11	25-Nov-11	594				ere Ver
1D-14-H6/2-650	Plane Main Carriageway for Overlay		2d 25-Nov-11	29-Nov-11					
1D-14-H6/2-441	35mm Surface Course		1d 29-Nov-11	30-Nov-11	000				
Phase H6/3 - Morrison Street - Westbound Lane	eet Westbound Lane	ALC: NOT ALC: NOT	7d 09-Jan-12	18-Jan-12	289		₩ 18-Jan-12, Phase	ase H6/3 - Morrison Stree	et - Westbound
1D-14-H6/3-444	Erect Barrier		1d 09-Jan-12	10-Jan-12	59d				
1D-14-H6/3-445	Site Clearance		2d 10-Jan-12	12-Jan-12	59d	****			2010 0010
1D-14-H6/3-446	Traffic Signal and Lighting Ducts			12-Jan-12	59d				
1D-14-H6/3-447	Plane Main Carriageway for Overlay			16-Jan-12	0.94			 	
1D-14-Hb/3-448	Dond Markings and Since		1d 17-1an-12	18-1an-12					
10-14-M0/3-449	Koad Markings and olgns			10-Jdir 12			C Lat to	Dhave He/A - Montoon	Strood Dahr
Finate Hold - Morrison Street - Larry Koau	cor - Lairy road			19-Jan-12	289				
1D-14-H6/4-452	Site Clearance			23-Jan-12	p69				
1D-14-H6/4-453	Traffic Signal and Lighting Ducts		2d 19-Jan-12	23-Jan-12	230	·····			
1D-14-H6/4-454	Plane Main Carriageway for Overlay			25-Jan-12	584		·····		
1D-14-H6/4-456	Road Signals and Markings installation of traffic light control - function 48	tion 48	3d 24-Jan-12 17d 24-Jan-12	27-Jan-12 16_Feb-17	2000				
1D-14-H6/4-455	35mm Surface Course		1d 25-Jan-12	26-Jan-12	59d				
Phase H6/5 - Complete Memorial Island	morial Island		12d 27-Jan-12	14-Feb-12			14-Feb-12.	Phase H6/5 - Complete	Memorial Island
1D-14-H6/5-458	Erect Barrier		1d 27-Jan-12	30-Jan-12	614		117 222 223 223	*** *** *** ***	**** -
Date Revision	on Checked	Approved	Page 21 of 44	Remaining Work) Work - Critical Remaining Work	Summary			

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(Revision 00)		EDINBURGH		
Clivity (D	Activity Name	Ongineit Start Finish Duration	otal Float Dro Jul A S [Oct N D Jun F M April M J Jul A S [Oct N D Jun F M	2012 Mari M J Juli A S Octi N Dec
1D-14-H6/5-459	Plane Main Carriageway for Overlay	1d 30-Jan-12 31-Jan-12	6id	
1D-14-H6/5-461	Traffic Signal and Lighting Ducts	30-Jan-12	656d	
1D-14-H6/5-510	Excavation	31-Jan-12		····· ····· ·····
1D-14-H6/5-462	Core and Cast OLE Pole Foundations (Inr)	2d 01-Feb-12 03-Feb-12 3d 01-Feb-12 06-Feb-12	52d	·····
1D-14-H6/5-466	Sime / Street Furniture			····· ····· ····· ·····
1D-14-H6/5-464	Footpath Works / Finishes	06-Feb-12		
1D-14-H6/5-465	35mm Surface Course		61d	
1D-14-H6/5-467	Road Signals and Markings	3d 09-Feb-12 14-Feb-12	6	
Commissioning and Testing	「「「「「「「」」」」、「「」」」、「」」、「」」、「」」、「」」、「」」、「			04-May-12, Commissioning and Testing
1D-14/15-817	Commissioning and Testing	10d 20-Apr-12 04-May-12		
Princes Street West Tram Stop	p	193d 12-Jul-10 25-Aprel 1	25-Apr-11, Princes Street West Tram Stop	
721	Tramston Platform incl related cubicle foundations	20d 03-Nov-10" 30-Nov-10	mayloove	
1C-15A-TRMS-30	Access for visual inspection for E&M Tram Stop installation	0d 09-Dec-10	482d 🔶 Access for visual inspection for E&M:Trarh Step installation (01D Pri	rincess Street West)
1C-15A-TRMS-40	Deliver and Install Shelter	10d: 10-Jan-11* 21-Jan-11	2294	·····
1C-15A-TRMS-31	Access for E&M Tram Stop installation (01D Princess Street West	0d. 24-Jan-11		t West)
1C-15A-TRMS-45	Deliver and Install cubicle	10d 24-Jan-11 04-Feb-11	2294	
1C-15A-TRMS-50	Install LV Power Supply and LV Power Equipment		2294	
731	Princes Street Finishing Works	20d 07-Feb-11* 04-Mar-11	430d	
1C-15A-TRMS-70	Install Telecon Equipment	20d 14-Mar-11 11-Apr-11	2340	
1C-15A-TRMS-60	Install Station Control Equipment + AFC Equipment	25d 14-Mar-11 18-Apr-11		
S-80	Package Test Tramstop	5d 19-Apr-11 25-Apr-11	267d	
Shandwick Place Tram Stop	timoleaus sector	339d 12-Jul-10 21-Mov-11 0d 12-Jul-10	2494 2414 Aurulasvericeurd	indwick Place Tram Stop
1D-14-TRMS-90	Civil Engineering And Building Works			
831	Ducting and Chambers			
862	Tramstop Platform incl related cubicle foundations	1	105d	
1D-14-TRMS-30	Access for visual inspection for E&M Tram Stop installation (01D Shadwick Place)	0d 20-Jun-11	370d Access for visual inspection for E&M T	ram Stop Installation (01D Shadwick Plac
1D-14-TRMS-40	Deliver and Install Shetter	10d 06-Jul-11 20-Jul-11	PP00	
1D-14-TRMS-31	Access for E&M Tram Stop installation (01D Shadwick Place)	0d 20-Jul-11	165d + Access for E&M Trann Stop Installa	ation (01D Shadwick Place)
1D-14-TRMS-45	Deliver and Install cubicle		105d	
1D-14-TRMS-50	Install LV Power Supply and LV Power Equipment			
1D-14-TRMS-70	Install Telecon Equipment			· · · · · · · · · · · · · · · · · · ·
1D-14-TRMS-60	Install Station Control Equipment + AFC Equipment			••••
1D-14-1KMS-80	Package lest Iramstop			
SECTION 2 HAYMARKET CORRIDOR	ET CORRIDOR			UD-MAI-12 SECTION 2 HAYMARKET CORMING
02A Haymarket Corridor		404d 12-Jul-10 06-Mar-12		06-Mar-12, 02A Haymarket Corridor
2A-13-OHLE-40	Access for visual inspection for E&M wayside installation HAY - ROJ	2120 25-Apr-11 00-Mar-12	 Access for visual inspection for E&M wayside 	E&M wpyside installation HAY - ROJ
2A-13-ELEC-40	Access visual inspection to cable pits for cable laying HAY - ROJ	0d 25-Apr-11	414d + Acçess wauel inspection to cable pits for cable leving HA	laying HAY - ROJ
2A-13-OHLE-41	Access for E&M wayside installation HAY - ROJ	0d 26-May-11	249d 🔶 Access for E&M wayside installation HAY - ROJ	-Rov
2A-13-ELEC-41 2A-13-SIGN-40	Access to cable pits for cable laying HAY - ROJ Installation of SIG-interlocking cubicle HAY Yards	0d 26-May-11 15d 26-May-11 16-Jun-11	229d Accessio cable pits for cable laying HAV-243d	Rou
2A-13/14-OHLE-50	Installation of poles and building fixings -11 (13 1234 - 20 05	4d 26-May-11 02-Jun-11	2114	
	on Checked Approved	Page 22 of 44 Remain	Remaining Work Critical Remaining Work	

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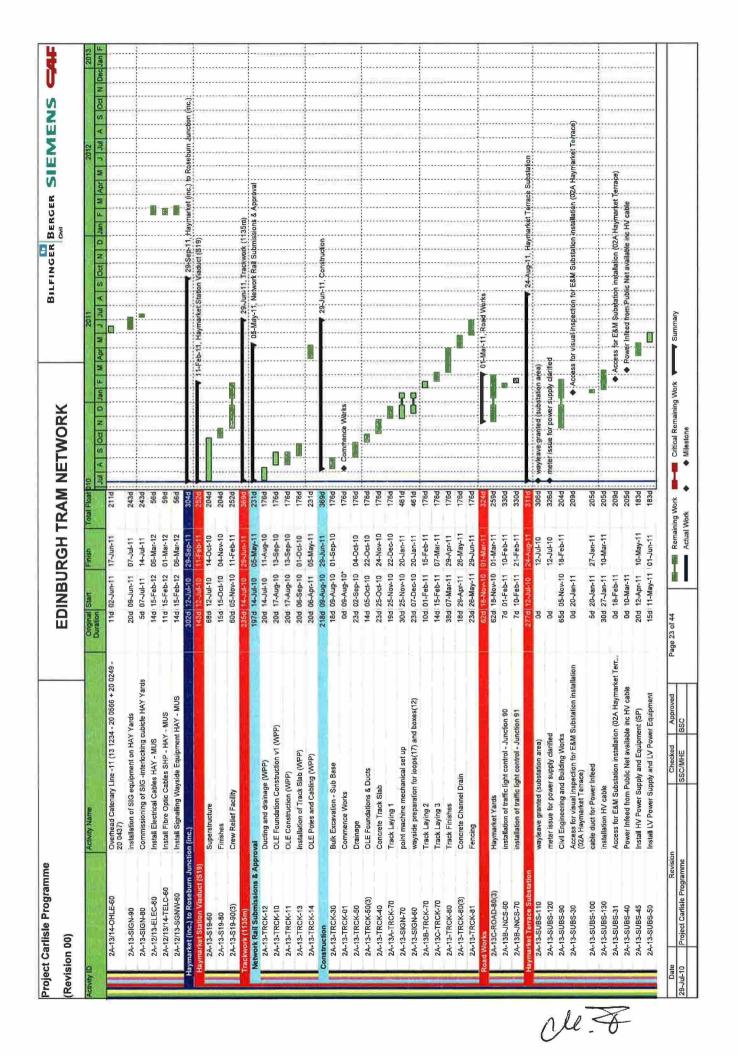
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(Revision 00)		EDINBURGH	EDINBURGH TRAM NETWORK	CMI
ctivity ID	Activity Name	Original Start Prinsh Duration		2012 2012
94-13-CLIBC-FF	Enameration Contrict Douver	0d 35_Mair-11	3754 Juli A S Oct N D Jan F b	M Apr M J Jul A S Oct N D Jan F M Apr M J Jul A S Oct N Declam
2A-13-SUBS-70	Install Telecom and Scada	15d 02-Jun-11 22-Jun-11	····	
2A-13-SUBS-60	Installation of TPS Equipment	23-Jun-11	1834	
2A-13-SUBS-80	Testing and Commissioning	14d 05-Aug-11 24-Aug-11	183d	
Haymarket Station Tram Stop 2A-13-TRMS-20	wavleave issued	1834 12-34-10 11-40-11 0d 12-34-10	4056 Y Martiave Issued	V 11-Apr-11. Haymarket Station Tram Stop
2A-13-TRMS-90	Civil Engineering and Building Works			
2A-13-TRMS-30	Access for visual inspection for E&M Tram Stop installation	25-Nov-10	517d	ue) inspection for E&M Tram Stop installation (Q2A Haymarket Station)
	(02A Haymarket Station)			
2A-13-TRMS-40	Deliver and Install Shetter		257d	
ZA-13-1 KMS-31	Access for E&M Tram Stop Installation (02A Haymarket Stati		312d	Access/for E&M. Tram Stop installation (Q2A Haymarket Station)
	Deriver and Instant cubicle			
24-13-17 MS-20	Install LV Fower Supply and LV Fower Equipment		n //z	
01-CMAL-CL-VC	Install rescon Equipment Install Station Control Faminment + AFC Faminment		2377d	
2A-13-TRMS-80	Package Test Tramstop	05-Apr-11	277d	
Landscaping		28-dune11	1764	29/Sep-11, Landscaping
2A-13-LAND-100(3)	Landscaping to Section 2A	65d. 29-Jun-11 29-Sep-11	176d	
SECTION 05 ROSEBURI	SECTION 05 ROSEBURN JUNCTION TO GOGAR	459d 12-Jul-10 21-Muy-12	1280 F	21-May-12, SECTION 05 ROSEBURN
05A Roseburn Junction (exc.) to Balgreen Road (inc.)) to Baigreen Road (inc.)	459d 12-Jul-10 21-May-12		V 21-May-12, 05A Roseburn Junction (e
MUDFA works transfered to INFRACO	FRACO		3690	V 02-Jun-11 (MUDFA works transfered to INFRACO
5A-BT-D-02(3)	BT Russell Road Ret Wall			
5A-BI-D-03(3)				
5A-SGN-D-02(3)	Gas Russell Road Ret Wall	30d 04-Mar-11 15-Apr-11		
5A-BT-D-01(3)	EFECUTE MOSSEL MOAD FEL WAIL BT RUSSEL Road Ret Wall			
5A-SP-D-02(3)	Electric Balareen Road		389d	
E& Minstallations		-	1280	V 21-Mav-12. E & M Installations
5A-12-ELEC-30	Access for visual inspection to cable pits for cable laying ROJ +		220d	12
5A-12-OHLE-30	Access for visual inspection for E&M wayside installation ROJ	0d 16-Jan-12	220d	 Access for visual inspection for E&M wavside installation
	- MUS			
5A-11-OHLE-30	Access for visual inspection for E&M wayside installation MUS - BAL	Dd 24-Jan-12	214d	 Access for visual inspection for E&M wayside installatio
5A-11-ELEC-30	Access for visual inspection to cable pits for cable laying MUS	0d 24-Jan-12	214d	 Access for visual inspection to cable pits for cable layin
5A-12-ELEC-31	Access to cable pits for cable laving ROJ - MUS	0d 15-Feb-12		 Access to cable plts for cable lawno RO4 - MUS
5A-12-OHLE-31	Access for E&M wavside installation ROJ - MUS		PL	
5A-11-ELEC-60	Install Electrical Cables MUS - BAL		Sad	
5A-11/12/13-TELC-60	Install Fibre Optic Cables HAY - MUS - BAL	12d 23-Feb-12 09-Mar-12	52d	
5A-11-SGNW-60	Install Signalling Wayside Equipment MUS - BAL	11d 23-Feb-12 08-Mar-12	53d	B
5A-10/11-OHLE-50	Installation of poles and building fixings -13 (51 0770 - 52 07	13d 23-Feb-12 12-Mar-12	24	
5A-11-OHLE-31	Access for E&M wayside installation MUS - BAL	0d 23-Feb-12		for E&M wayside installation MUS -
5A-11-ELEC-31	Access to cable pits for cable laying MUS - BAL	23-Feb-12	52d	 A Access to cable pits for cable faying MUS - BAL
5A-11/12/13-OHLE-50	Installation of poles and building fixings -12 (20 0457 - 51 09	23-Feb-12	1d	
5A-10/11-OHLE-60	Overhead Catenary Line -13 (51 0770 - 52 0754)	13-Mar-12	20	
5A-11/12/13-OHLE-50	Overhead Catenary Line -12 (20 045/ - 51 0955)	13-Mar-12		
	lesting & commissioning	200 24-Apr-12 21-May-12		
Design	arragitered autolouth (intes)	04/06-Vic-Vig-10 08-Aug-10	09-Aug-10, Design:	
Data	Amound			
Brainel Cadialo Brae			Remaining Work - Critical Remaining Work	Summary
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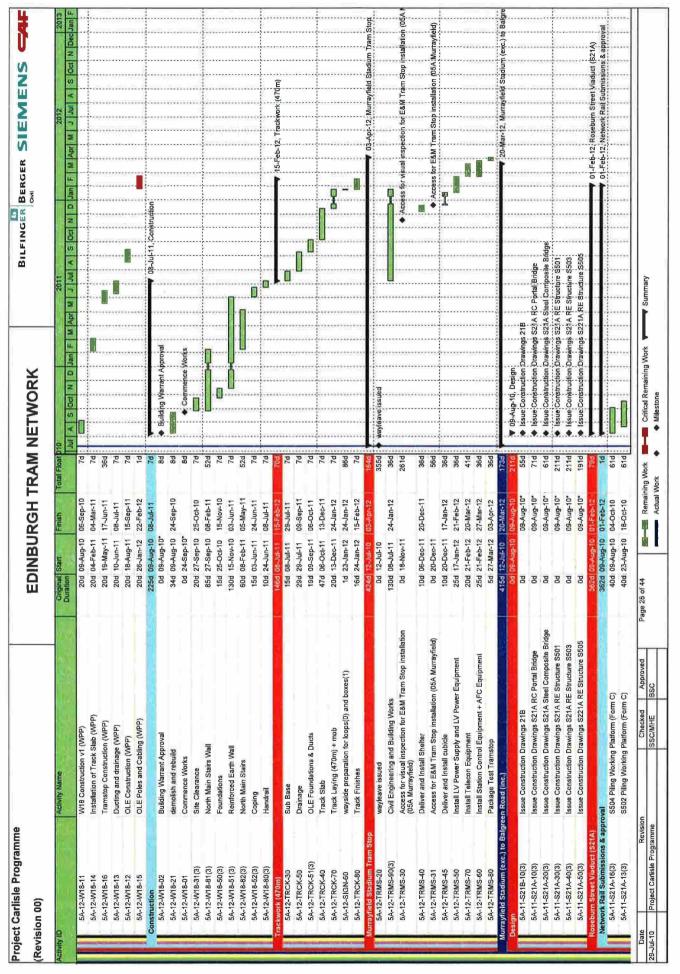
(Revision 00)		EDINBURGH TRAM NETWORK	TRAM NET	WORK
Activity ID	Activity Mathe	Orginal Start Ferlich Duration	Total Float D10	2011 2013 2013 2014 2013 2013 2013 2013 2013 2013 2013 2013
5A-12-W18-10	Issue Construction Drawings W18	0d 09-Aug-10*	*	struction Drawings W18
Russel Road Underbridge (S20)		2924 12-Jul-10 15-Sep-11 2024 12-Jul-10 15-Sep-11	POS	15.5ep-f1, Rüssel Roåd Underbridge (S20): 15.5ep-f1, Rüssel Roåd Underbridge (S20):
6A-12-520-11(3)	Permanent Piling Working Platform (Form C)	12-Jul-10	284	
5A-12-S20-16(3)	OLE Poles and Cabling (WPP)	12-Jul-10	344d	
5A-12-S20-17(3)	Crane Working Platform (Form C)	12-Jul-10	28d	
5A-12-S20-19(3)	Soil Nailing v2 (Form C)	12-Jul-10	284	
5A-12-S20-10(3)	Permanent Piling v1 (WPP)	15-Jul-10	284	
5A-12-S20-12(3)	Protection of Gas Main v1 (WPP)	20d 15-Jul-10 12-Aug-10	DBZ	
54-12-520-18(3) 54-12-520-2013)	Scol Construction (WPP) Scol Mailton v2 (MOD)		28d	
(c) 02-02-0-1-00 2 4 10 200 14(3)	Constanting vz. (vvr.r.)	16-Mav-11		
5A-12-S20-13(3)	OLE Construction (WPP)	27-Jun-11	19L	
5A-12-S20-15(3)	Installation of Track Slab (WPP)	38d 22-Jul-11 15-Sep-11	PL	
Construction		03-Sep-10	PO2	Construction
5A-12-S20-40	Excavation and piling	03-Sep-10	284	
5A-12-S20-50	Bases	26-Nov-10	28d	
5A-12-S20-51	Abutments and Wing Walls	10-Jan-11	780	
5A-12-520-50	Deck Britshins	11-VBW-/1 11-JMA-/U DUC	000	
09-07C-71-YC			1326	03-Nov-11 Russell Road Relating Walls (W3-and W4)
Network Rail Submissions & Approval	Approval	40d 12-Jul-10 06-Sep-10	294	· · · ·
5A-12-W4-14(3)	Bared piling working platform to Units 1 to 10 (Form C)	40d' 12-Jul-10 06-Sep-10	33d	
5A-12-W4-16(3)	Bored piling working platform to Units 23 to 29 (Form C)	12-Jul-10	59d	
5A-12-W4-10(3)	Slope stability for Units 1 to 10 (CAT III)	10-Aug-10	33d	
5A-12-W4-13(3)	TW to retain Koyal Mail blog (CAT III)	201 10-200 10-200 00-200 10	334	
5A-12-W4-15(3)	Slope stability for Units 23 to 29 (CAT III)	10-Aug-10		
5A-12-W4-21(3)	TW to construct pilecaps for Units 21 to 29 (In House)	10-Aug-10	29d	
5A-12-W4-11(3)	Open cut excav & sheet piling installation to Units 1 to 10 (W	20d 10-Aug-10	33d	
5A-12-W4-17(3)	Installation of bored piling to Units 1 to 10 (WPP)	20d 10-Aug-10 06-Sep-10	33d	
5A-12-W4-19(3)	Construction of pilecap & walls Units 1 to 10 (WPP)	20d 10-Aug-10	33d	
5A-12-W4-12(3)	Open cut excav & sheet piling installation to Units 21 to 29 (20d 10-Aug-10		
5A-12-W4-20(3)	Installation of bored piling to Units 21 to 29 (WPP)	-	060	
5A-12-VV4-22(3)	Construction of pliecap & walls Units 21 to 29 (WPP)	200 10-200 10-200-10 00-200-10	Dac	17.0ct.11 Haumater Danit Arease Ruad
5A-12-W4-54(3)10	Temporary Realignment	20-Apr-11	33d	
5A-12-W4-54(3)20	Permanent Realignment	20-Sep-11	145d	
Construction		328d 12-Jul-10 03-Nov-11	1324	03-Nov-11 Construction
5A-12-W4-53(3)	Retaining Wall W4B &4C	243d 12-Jul-10 08-Jul-11	P8	
5A-12-W4-50(3)	Retaining Wall W4A (enabling works)	48d 12-Jul-10 16-Sep-10	40d	
5A-12-W4-55(3)	Retaining Wall W4A	28-Sep-10	33d	
5A-12-W4-59(3)	Retaining Wall W4D		23q	
5A-12-W3-57(3) 5A-12-W3-56(3)	Retaining Wall W3B Retaining Wall W3A	141d 16-Apr-11 03-Nov-11 68d 15-Jun-11 19-Sep-11	33d 66d	
5A-12-W3-5B(3)	Retaining Wall W3C		44d	
5A-12-JNCS-60	installation of traffic light control - Junction 200	5d 20-Oct-11 26-Oct-11	138d	
Murrayfield Tram Stop Retaining Wull (W15) Network Rail Submissions and Approval	ng Wall (W15) id Approval	3774 09-Aug-10 22-Feb-12 3774 09-Aug-10 22-Feb-12	P	 22-Feb-12, Murrayfield Tram Stop Retaining Wall (V 22-Feb-12, Verwork Rail Subrissions and Approva
Date Rev	Revision Checked Approved	1		
Project Cartiste Progr	SSC/MHE BG		Nork	Critical Remaining Work Summary
I		ACUE	Actual Work	

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(Revision 00)		EUINBURGH IRAM NEI WORK		- CANI
Activity ID	Activity Name	Original Start Finish Total Duration	otal Floot D16 2011 Duf A S (oct N D Jan F M Apr M J Jut A S C	2012 2012 2012 2012 2012 2014 Declar
5A-11-S21A-15(3)	S504 Construction (WPP)	20d 06-Sep-10 04-Oct-10	61d	
5A-11-S21A-12(3)	S502 Construction (WPP)	20-Sep-10	61d	
5A-11-S21A-18(3)	S504 Bridge Beam Working Crane Platform (Form C)	14-Dec-10	61d	
5A-11-S21A-17(3)	S504 Bridge Beam Installation (WPP)	25-Jan-11	1 10	
5A-11-S21A-21(3)	S505 Sheet Piling/ Temp Works, (Form C)	40d 18-Mar-11 16-May-11	43d	
5A-11-S21A-11(3)	S501 Construction (WPP)	20d 22-Mar-11 20-Apr-11	61d	
5A-11-S21A-14(3)	S503 Construction (WPP)	20d 22-Mar-11 20-Apr-11	61d	
5A-11-S21A-19(3)	S505 Construction (WPP)	20d 18-Apr-11 16-May-11	43d	
5A-11-S21A-22(3)	OLE Construction (WPP)	20d 29-Jul-11 26-Aug-11		
5A-11-S21A-23(3)	Ducting and drainage (WPP)	20d 29-Aug-11 23-Sep-11		
5A-11-S21A-24(3)	Installation of Track Slab (WPP)	20d 10-Oct-11 04-Nov-11		
5A-11-S21A-25(3)	OLE Poles and Cabling (WPP)	20d 22-Dec-11 01-Feb-12		Ī
Construction		228d 25-Oct-10 28-Sep-11	1000 I I I I I I I I I I I I I I I I I I	28;Sep-11, Construction:
5A-11-S21A-70(3)	Structure S504	180d 25-Oct-10 22-Jul-11	61d	
5A-11-S21A-70(3)10	Completion of Murrayfield Stadium Accommodation Works (by others)	0d 31-Oct-10*	92d Completion of Murrayfield Stadium Accommodat	tion: Works (by others)
5A-11-S21A-71(3)	Structure S502	120d 08-Nov-10 12-May-11	61d	
5A-11-S21A-62(3)	Structure S501	80d 12-May-11 05-Sep-11	61d	
5A-11-S21A-63(3)	Structure S503	80d 12-May-11 05-Sep-11	61d	
5A-11-S21A-64(3)	Structure S505	80d 07-Jun-11 28-Sep-11	43d	
5A-11-JNCS-60	installation of traffic light control - Junction 201	28-Jul-11	202d	
a Walls	(\$218)	299d 12-Jui-10 23-Sep-11		23-Sep-11, Murrayfield Retaining Walls (S2/B)
	Approval	299d 12-Jul-10 23-Sep-11		11, Network Rail Submissions &
5A-11-S21B-12(3)	Installation of sheet piles (WPP)	20d 12-Jul-10 09-Aug-10	54d	
5A-11-S21B-13(3)	Installation of sheet piles (design) (Form C)	40d 12-Jul-10 06-Sep-10	34d	
5A-11-S21B-14(3)	Construction of steep green slope section (WPP)	20d 10-Jan-11 04-Feb-11	304	
5A-11-S21B-17(3)	Installation of Lower Ballast (WPP)	20d 28-Jun-11 25-Jul-11		
5A-11-S21B-15(3)	OLE Construction (WPP)	20d 29-Jul-11 26-Aug-11		
5A-11-S21B-16(3)	Ducting and drainage (WPP)	20d 29-Aug-11 23-Sep-11	P	
Construction		218d 30-Aug-10 19-Jul-11		Canstruction
5A-11-S21B-21	Commence Works	30-Aug-10*	119d Commence Works	
5A-11-S21B-31	Site Clearance	04-Oct-10	114d	
5A-11-S21B-32	Demolition	20-Sep-10		
5A-11-S21B-61(3)	Sheet Piling, Ground Anchors, Bulk Excavation	03-Oct-10	pd	
5A-11-S21B-51	Foundations	04-Ocl-10	11440	
5A-11-S21B-52	Reinforced Earth Wall		300	
5A-11-S21B-53	Coping	15-Jun-11		
	Handrail	10d 06-Jul-11 19-Jul-11	304	
Murrayfield Stadium Underpa	pass (S21C)	704 42 List 0 12-50-11	and 10-bill School Bringhold School and Scho	stadrum Underpass (\$210)
10112 0	Network Rail Form C Suhmission & Anoroval	12-10-10		
50-11 2210 11(3)	Crane Morting Distant (Carn C)	12-10-10		
		10 10 10		
5A-11-SZ1C-13(3)	Soit Nailing Working Platform (Form C)	01-10/-21		
5A-11-SZ1C-10(3)		01-GUA-UT		
5A-11-521C-12(3)	Soil Nailing V2 (WPP)	200 21-Sep-10 18-Oct-10		
5A-11-S21C-10	Commence Works		◆ Commence Works	
54-11-5210-31	Sile Clearance	10d 28-Sep-10 11-Oct-10		
5A-11-S21C-32	Temporary Works - Demolition	12-Oct-10		
Date Revisit 29-Init-10 Project Cartisle Programme	on Checked Approved SSC/MHE BSC	Page 27 of 44 Remaining Work	k Critical Remaining Work	

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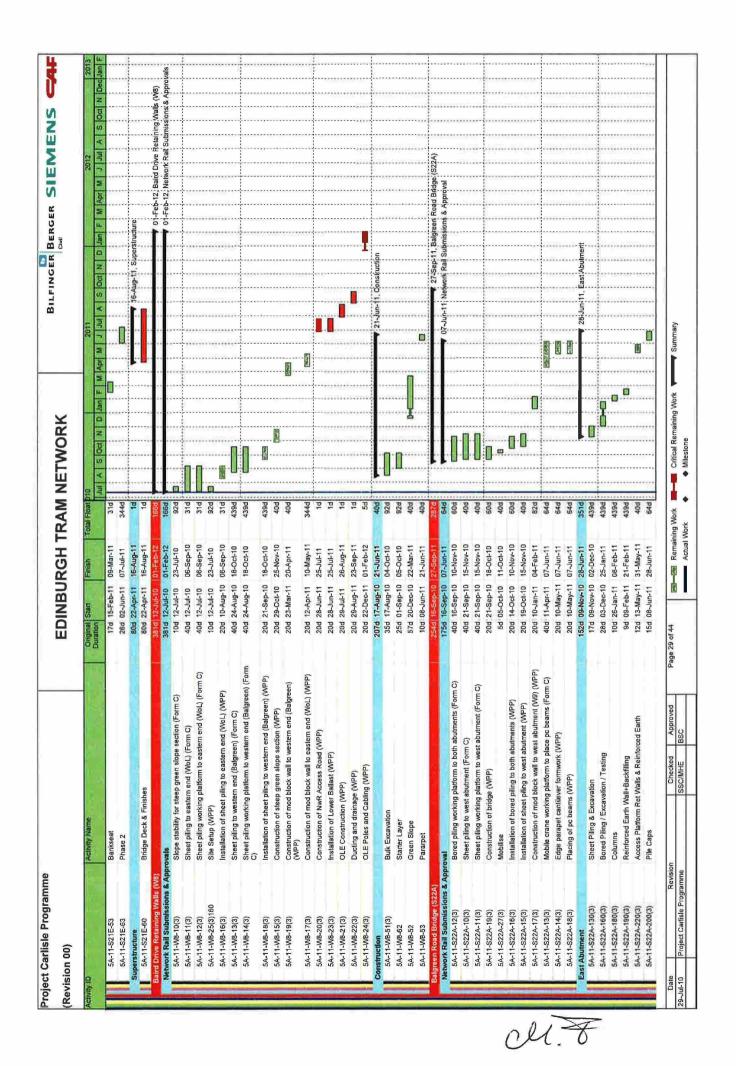
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	clivity ID		Activity Name	Original Start Buration	1	stat Float D10	I A I S I OH N I D Jaol F I	2011 2011	N D Land F M And M	2012	Oct N	
		5A-11-S21C-32(3)	Additional Sheet Piling	20d 09-Nov-10	07-Dec-10							
		5A-11-S21C-33	Earthworks	10d 08-Dec-10	21-Dec-10	87d	0					
	-	5A-11-S21C-51	Base	10d 22-Dec-10	18-Jan-11	87d	1		•••••	 		
		5A-11-S21C-52	Walls	20d 19-Jan-11	15-Feb-11 15 Mar-11	87d		••••		·····		
		5A-11-5610-01	Doment Male	15d 00-Mar-11	20-Mar-11	874						
$ \begin{array}{ $		54-11-5210-52 54-11-S210-80	rarapet waiis Einishes		13-Anr-11	876		1				
Mark Hall Remain Kannon Antick Hall Remain Kanno Antick Hall Remain Kannon Antick Hall Remain Remain Kann	W	urraviteld Retaining Walls (S2			01-Feb-12	181d			-12	urtrayfield Retain		
0.1143C101(3) Memor Rai Front Over and Film (a) Between share and film (a) Between share and film (b) Between share and film (Ĺ	letwork Rail Form C Submiss	ion & Approvals	367d 30-Jul-10	01-Feb-12	181d			01-Feb-12;Nt	Rail		n & Approv
Sch 1:St (D:1(c)) Nework Rail from C Verification A Aground 603:Sch (D: Sch (D: C)) Memory Rail Memory Rail Memory Rail Sch 1:St (D:1(g)) Nework Rail from C Tes final galaministantion A Aground 603:Sch (D: Sch (D: C)) 603:Sch (D: Sch (D: Sch (D: Sch (D: Sch (D))) 603:Sch (D: Sch (D)) 603:Sch (D) 603:Sch (D) 603:Sch (D)	No.	5A-11-S21D-10(3)	Network Rail Form C West and Piling Platform Submission & Approval	40d 30-Jul-10*	24-Sep-10	740				······		· · · · ·
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Substration	in pha	5A-11-S21D-12(3)	Network Rail Form C toe Piling PlatformSubmission & Appro	40d 30-Jul-10*	24-Sep-10	74d				••••		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	North Contract	5A-11-S21D-13(3)	Network Rail Form C Toe Sheet Piling Submission & Approval		24-Sep-10	744						
Ant 132 (D-14) Contraction of transmit	TTOOL	5A-11-S21D-15(3)	Installation of sheet piling to western end (WoL) (WPP)	20d 10-Aug-10	06-Sep-10	63d						
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t Revision Checked Approved Page 28 of 44 Control Remaining Work Critical Remaining Work Project Carlisle Programme SSCMME BSC BSC Actual Work	-	5A-11-S21E-52	Formation to West Abutment (Baird Drive)	89d 28-Sep-10	14-Feb-11	31d				****	****	erw) 1111
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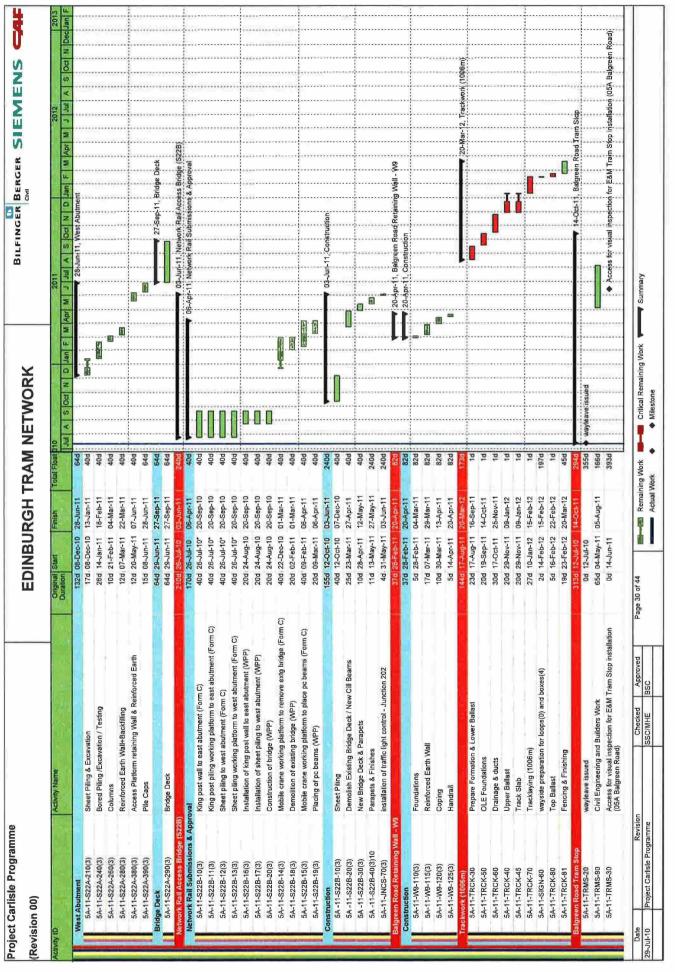
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5B-09/10-OHLE-50 Overhead Catenary Line -14 (52 0535 - 52 2032) 26d 18-May-11 24-Jun-11 245d 5B-08-SIGN-90 installation of SIG equipment on crossover EPS 5d 18-May-11 261d 5B-08-SIGN-80 commissioning of SIG-interlocking cubicle EPS 5d 25-May-11 261d 5B-08-SIGN-80 commissioning of SIG-interlocking cubicle EPS 5d 25-May-11 261d 5B-07-ELEC-60 Install Electrical Cables EPS - EDP 7d 07-Jun-11 240d 6 Approved Approved Page 31 of 44 mmaining Work	58-07-ELEC-30	Access for visual inspection to cable pits for cable laying EPS - EDP		397	Abcess for visual inspection to cable pits for cable laying EPS	
58-08-SICN-90 installation of SIG equipment on crossover EPS 5d 18-May-11 261d 261d 58-08-SIGN-80 Commissioning of SIG-interlocking cubicle EPS 5d 25-May-11 261d 261d 58-07-ELEC-60 Install Electrical Cables EPS FD 7d 07-Jun-11 240d 240d 68-07-ELEC-60 Install Electrical Cables EPS FD 7d 07-Jun-11 240d 240d 68-07-ELEC-60 Install Electrical Cables EPS FDP 7d 07-Jun-11 240d 240d 6 Approved Page 31 of 44 Immediate Remaining Work Immediate Critical Remaining Work Immediate Provided	5B-09/10-OHLE-60	Overhead Catenary Line -14 (52 0535 - 52 2032)	18-May-11			
6B-0B-SIGN-B0 Commissioning of SIG-interlocking cubicle EPS 5d 25-May-11 01-Jun-11 261d 5B-07-ELEC-60 Install Electrical Cables EPS - EDP 7d 07-Jun-11 16-Jun-11 240d 6 Revision Checked Approved Page 31 of 44 Emaining Work	5B-08-SIGN-90	installation of SIG equipment on crossover EPS	18-May-11			
5B-07-ELEC-60 Install Electrical Cables EPS - EDP 7d 07-Jun-11 24.0d 24.0d 25.00 24.	5B-08-SIGN-80	Commissioning of SIG-interlocking cubicle EPS				
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Protect Carlisle Promamme ISSC/MHF BSC	-	DI Checked Approved	4-	Remaining Work		
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Activity ID.				
	Activity Name	Original Start Finish Duration	Total Float D10 201 D41 A S D541 N D Jan F M Apt M J J	11 2013 2013 2013 2013 2013 2013 2013 20
5B-07-OHLE-31	Access for E&M wayside installation EPS - EDP	0d 07-Jun-11		s for E&M wayside installation EPS- EDP : : : : : :
5B-07-ELEC-31	Access to cable pits for cable laying EPS - EDP	0d 07-Jun-11	232d	 Access to cable pits for cable laying EPS - EDP
58-07/08-TELC-60	Install Fibre Optic Cables BNK - EPS - EDP	8d 07-Jun-11 17-Jun-11	233 q	
5B-07-SGNW-60	Install Signalling Wayside Equipment EPS - EDP	7d 07-Jun-11 16-Jun-11	532q	
5B-07/08-OHLE-50	Installation of poles and building fixings -16 (52 3059- 52 4464)	9d 07-Jun-11 20-Jun-11	214d	
5B-08-SGNW-60	Install Signalling Wayside Equipment BNK - EPS	8d 16-Jun-11 28-Jun-11	2324	
5B-07/08-OHLE-60	Overhead Catenary Line -16 (52 3059 - 52 4464 + 52 3621 -	24d 20-Jun-11 22-Jul-11	2144	
5B-09-ELEC-30	Access for visual inspection to cable pits for cable laying SGT - BNK	0d, 29-Sep-11	286d	Access for visual inspection to cable pits for cable laying SGT - BNK
	Access Erviced issession for CPM unuside inchallation CCT	04 28 Sen 11	Tyac	Access for visual inspandion for E&M wave do installation SCT - BMK
02-02-0HLE-30	Access for visual inspection for Each wayside installation SG - BNK	11-dac-87 00	0007	
5B-09-SGNW-60	Install Signalling Wayside Equipment SGT - BNK	10d 31-Oct-11 14-Nov-11	113d	
5B-09-ELEC-31	Access to cable pits for cable laying SGT - BNK	0d 31-Oct-11	113d	Access to cable pits for cable laying SGT -: BNK
5B-08/09-TELC-60	Install Fibre Optic Cables SGT - BNK - EPS	31-Oct-11	115d	
5B-08/09-0HLE-50	Installation of poles and building fixings -15 (52 1827 - 52 32	10d 31-Oct-11 14-Nov-11	1024	••••
5B-09-OHLE-31	Access for E&M wayside installation SGT - BNK		102d	Access for E&M wayside installation SGT + BNK
5B-09-ELEC-60	Install Electrical Cables SGT - BNK		1130	
58-09/10-TELC-60	Install Fibre Optic Cables BAL - SGT - BNK			
58-10-SGNW-60	Install Signalling Wayside Equipment BAL - SGI	744 14-NOV-11 UZ-DEC-11	D5[1	
SP-10-ELEC-00	Overlied Control Cables Ball - SGT	14-Nov-11	1134	
58-10/11-TELC-60	Install Fibre Optic Cables MUS - BAL - SGT	23-Feb-12	52d	
Balgreen Road (exc.) to Saughton Road North (inc.)	iton Road North (inc.)	12-Jul-10		04-May-11; Balgreen Rdad (exc.) to Saughton:Roab North (Inc.):
Carricknowe Bridge (S23)				12-Apr-11, Carrickhowe Bridge (S23)
Carrick Knowe disruptive possessions	ssessions	183d 12-Jul-10 12-Apr-11	277d 7 2-Abr-11	2-Apr-11, Carrick Knowe disruptive possessions
Network Hall Submission &	Approval Steel Pedestrian Parapet WPP			
5B-10-S23-11(3)	OLE Poles and Cabling WPP	14-Mar-11	2284	
North Abutment	「日本ので、日本のないない」であるというである。	28d 12-44-10 19-449-10	19-4164 19-4ug-10, North Abutment	
Abutment Wall			416d 719-Aug-10, Abutment Wall	
5B-10-S23-55N(3)	Bearing Gallery	12-Jul-10		
Wing Walls			166d Trans 13-Aug-10, Wing Walls	
58-10-S23-76N	Parapet Beams		H	
South Abutment		214 12-14-10 10-449-10	Also An-Ave-10, Sourn Apurprent	
5B-10-S23-56S(3)	Bearing Gallery	12-Jul-10		
Wing Walls	· · · · · ·		435d 7 04-Aug-10, Wing Walls	
5B-10-S23-76S	Parapet Beams		0	
Superstructure	いため、「「「「「「「」」」という」を読む」「「「」」」	504 12-00-10 20-Sep-10		
Reinforced Concrete Deck		12-Jul-10	426d 420-Aug-10, Reinforced Cancrete Deck	
5B-10-S23-68	North Diaphragm	12-Jul-10	1884	
5B-10-S23-67	South Diaphragm	12-Jul-10	4334	
58-10-523-66	Parapet Beam	01-IUL-21		
Deck Finishes 60 40 503 80	Whitemaneline fine dark surinal	19d 24-Aug-10 20-Sep-10 34 34 Aug 10* 37-Aug-10	410d	
5B-10-523-80	Expansion Joints		416d	
5B-10-S23-81	Parapet Rails	30-Aug-10	442d 🗍	
5B-10-S23-83	Walkway Constructon	12d 01-Sep-10* 20-Sep-10	322d	
Run On Run Off Slabs		156 11-Aug-10 31-Aug-10	4164 31-Aug-10, Run On Run Off Stabs	
Date	on Checked Approved	Page 32 of 44 Rema	Remaining Work Critical Remaining Work Summan	
29-Jul-10 Project Carlisle Programme	SSC/MHE BSC			

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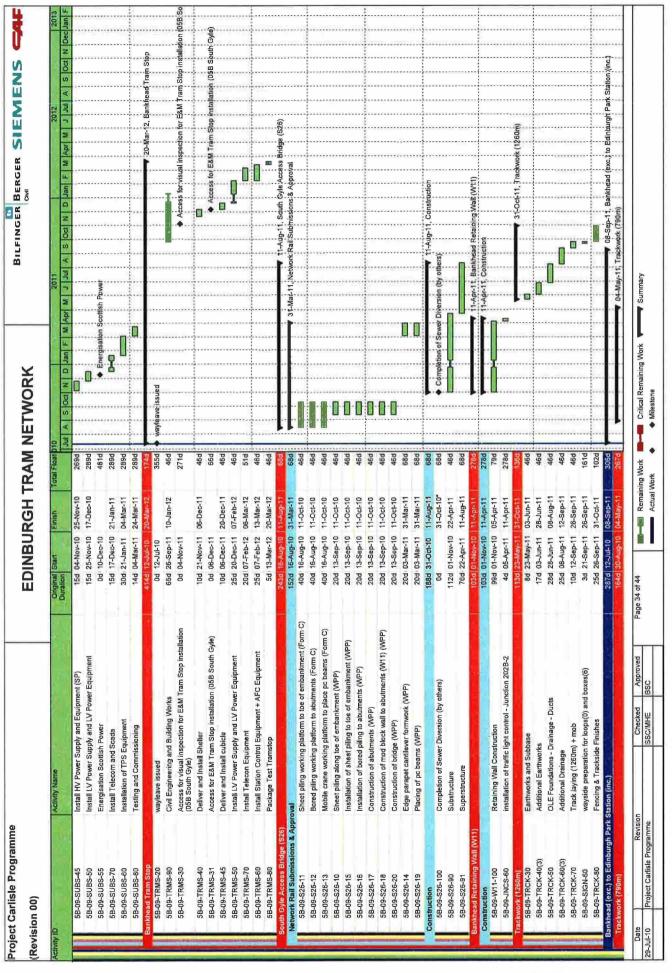
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3-71 3-70 23-84 RCK-70 SIGN-600	Activity Name	Onginal Start Feriah 1 Duration	Total Float D10	2013 2013 2014 2013 2014 2013 2013 2013 2013 2013 2013 2013 2013
3-70 23-84 RCK-70 SIGN-600 3-85	Backfill and cast slab south	8d 11-Aug-10 20-Aug-10	419d	
23-84 RCK-70 SIGN-600 3-85	Backfill and cast slab north	20-Aug-10	416d	
+ -70 600		100	3956	V 11-Oct-10. Tracklaying
600	Containment Stabs		421d	
000		44 40 500 40 10-Sep-10	1152	
	wayside preparation tot popps(u) and uddes(z) Drainade	21-Sep-10	395d	
Trackwork (1690m)			2814	• 04/Mai-11. Trackwork (1690m)
Concrete Slab Track 590m		114d 21-Sep-10 15-Mar-11	3094	15-Mar-11, Concrete Stab Track 590m
	Earthworks- Subbase	34d 21-Sep-10 05-Nov-10	309d	
58-10C-TRCK-40 C	OLE Foundations - Drainage - Ducts	24d 08-Nov-10 10-Dec-10	3094	
5B-10C-TRCK-41(3)	Additional Drainage	21d 13-Dec-10 24-Jan-11	309d	
5B-10C-TRCK-70 T	Track laying	10d 11-Feb-11 25-Feb-11	3094	
58-10C-SIGN-60 v	wayside preparation for loops(0) and boxes(3)	2d 23-Feb-11 25-Feb-11	321d	
58-10C-TRCK-80 F	Fencing & Finishes	12d 25-Feb-11 15-Mar-11	309d	
Ballasted Track 1160m		179d 09-Aug-10 04-May-11	281d	V V V V V V V V V V V V V V V V V V V
(3)	Commence Works	09-Aug-10*	171d	 Commencie Works :
	Earthworks - Subbase		166d	
(2)	Additional Earthworks		166d	
	OLE Foundations - Drainage		1664	
	Additional Drainage		1664	
	Bottom Ballast - Ducts		1060	
		11-09-1-00	Daar	
	wayside preparation for loops(u) and boxes(§)	ZQ U/-Miar-11 US-Mar-11	166d	
	top dallast Consiste P Tradicide Einishee		- HERM	
Tram Stop		- 66	4246	28-Feb-11. Saunhton Road North Tram Stop
	wavleave issued	0d 12-JuH10	315d	
	Civil Engineering and Building Works			
	Access for visual inspection for E&M Tram Stop installation		547d	 Access for visual inspection for E&M Train Stop listaliation (05B Sauchton Road North)
	(05B Saughton Road North)			
	Deliver and Install Shefter	10d 01-Nov-10 12-Nov-10	266d	
58-10-TRMS-31	Access for E&M Tram Stop installation (05B Saughton Road North)	0d 12-Nov-10	342d	Access for E&M Tram Stop installation (05B Saughton Road North);
5B-10-TRMS-45	Deliver and Install cubicle	10d 15-Nov-10 26-Nov-10	266d	
	Install LV Power Supply and LV Power Equipment	25d 30-Nov-10 17-Jan-11	306d	
5B-10-TRMS-70	Install Telecon Equipment	20d 18-Jan-11 14-Feb-11	311d	
	Install Station Control Equipment + AFC Equipment	25d 18-Jan-11 21-Feb-11	306d	
58-10-TRMS-80 F	Package Test Tramstop	5d 22-Feb-11 28-Feb-11	306d	
Saughton Road North (exc.) to Bankhead (inc.)	ead (inc.) "The second s	414d 12-Jul-10 20-Mar-12	1746	V 20-Mar-12, Baughton Road North (exc.) to Ban
58-09-SUBS-110	wavleave granted (substation area)	04 12-3ul-10	296d	
	meter issue for power supply clarified			meter issue for power supply clarified
	Civil Engineering and Building Works	35d 06-Sep-10* 22-Oct-10		
5B-09-SUBS-30	Access for visual inspection for E&M Substation installation (05B Bankhead Drive)	0d 23-Sep-10	284d	 Access for visual inspection for E&M Substation installation (058 Bankhead Drive)
5B-09-SUBS-100	cable duct for Power Infeed	5d 23-Sep-10 30-Sep-10	269d	
	installation HV cable	30-Sep-10	2694	
	Access for E&M Substation installation (05B Bankhead Drive)		284d	 Access for E&M Substation installation (056 Bankhead Drive)
5B-09-SUBS-40	Power Infeed from Public Net available inc HV cable	0d 04-Nov-10	269d	Poweri Infeed from Public Net available inc HV/cable
	d Approved	Page 33 of 44 Remaining Work	g Work	Critical Remaining Work
29-Jul-10 Project Carlisle Programme	ISSC/MHE BSC		ark 🔸	0

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Common ID Activity Name 58-08-TRCK-30 Earthworks and Sub 58-08-TRCK-51 Commence Works 58-08-TRCK-50 Commence Works 58-08-TRCK-51 Additional Earthwork 58-08-TRCK-51 Additional Earthwork 58-08-TRCK-51 Additional Earthwork 58-08-TRCK-50 OLLE Foundations - I 58-08-TRCK-70 Track laying (790m) 58-08-TRCK-70 Commissioning of 5 58-08-TRMS-90 Comin Englation of traffic 58-08-TRMS-90 Comin Englation of traffic 58-08-TRMS-30 (058 Edinburgh Part 58-08-TRMS-30 Comin Englation of traffic 58-08-TRMS-30 Comin Englation of traffic 58-08-TRMS-30 Comin Englation of traffic 58-08-TRMS-31 Access for traffic 58-08-TRMS-35 Deliver and Install (58-100m)	Activity Name Earthworks and Subbase Commence Works Additional Earthworks OLE Foundations - Drainage Additional drainage Ducts and Bottom Ballast Track laying (790m) wayside preparation for hoops(0) and boxes(4)	Onginal Start Fritsh	fotal Float D10		2012
n Tram Stop	s and Subbase e Works Earthworks dations - Drainage drainage Bottom Ballast 19 (790m) reparation for loops(0) and boxes(4)	Euralion	A DUCH	S Oct N D Jan F M April M J Ju	A S Oct N D Jan F M Apr M J Jul & S Oct N
n Tram Stop	e Works Earthworks dations - Drainage Bottom Ballast 13 (790m) reparation for borps(0) and boxes(4)		178d		
n Tram Stop	dations - Drainage drainage Bottom Ballast 19 (790m) resparation for loops(1) and boxes(4)	0d 30-Aug-10*	178d	Commènce Works	
n Tram Stop	databas - oromogo drainage 1g (790m) reparation for loops(0) and boxes(4)		1784		
n Tram Sjop	Bottom Ballast ig (790m) reparation for loops(0) and boxes(4)		178d		
n Tram Stop	1g (790m) reparation for loops(0) and boxes(4) reconder 50 scost		178d		
n Tram Stop	reparation for loops(0) and boxes(4)	20d 25-Feb-11 25-Mar-11	178d		
o Tram Stop	4 1ET TD47 ED 36361	23-Mar-11	293d		
n Tram Stop	10700 70 - 11 67 70 10		233d		
in Traim Stop	Fencing and Trackside finishes	16d 11-Apr-11 04-May-11	233d		
	Portion of the second se	2674 12-Jui-10 08-Sep-11	3554	audiceland 1 1 1 1 1 1 1	0B-Sep-11, Edinburgh Park Station Tram Stop
	wayicave issued Commissioning of SIG -interfocking cuhicle		PEIS		
	Civil Endineering of Order Hundrenooning counce	25-Mar-11	1784		
	installation of traffic light control - Junction 203		267d	-	
	installation of traffic light control - Junction 203A	04-May-11	267d		
	Access for visual inspection for E&M Tram Stop installation (05B Edinburch Park Station)	0d 03-May-11	405d	Access 1	for visual inspection for E&M. Train Stop installation (058 Edinburgh Park
	Deliver and Install Shelter	10d 24-May-11 08-Jun-11	178d		
	Access for E&M Tram Stop installation (05B Edinburgh Park Station)	08-Jun-11	2004		ess for E&M Tram Stop installation (05B Edinburgh Park Station)
	Deliver and Install cubicle	10d 08-Jun-11 22-Jun-11	1784		
5B-08-TRMS-50 Install LV P	Install LV Power Supply and LV Power Equipment	25d' 22Jun-11 27Jul-11	1784		
5B-08-TRMS-70 Install Telec	Install Telecon Equipment	20d 27-Jul-11 25-Aug-11	183d		
5B-08-TRMS-60 Install Stati	Install Station Control Equipment + AFC Equipment	27-Jul-11	1784		
5B-06-TRMS-80 Package Te	Package Test Tramstop	-	1784	••••	
Edinburgh Park Station (exc.) to Edinburgh Park Central (inc.) Edinburch Park Central Tram Stop	k Central (inc.)	305d 12-Jul-10 05-Oct-11 305d 12-Jul-10 05-Oct-11	290d		V 05-004-11, Edinburgh Park Station (exc.) to Edinburgh Par V 05-004-11: Edinburgh Park Central Tram Stop
S-20	panss	0d 12-Jul-10	355d 🔶 wayle	avelissued	
	Civil Engineering and Building Works	65d 31-Mar-11 05-Jul-11	162d		
5B-07-TRMS-30 Access for (05B Edinb	Access for visual inspection for E&M Tram Stop installation (05B Edinburch Park)	0d ⁻ 03-Jun-11	3894	Atce	ss for visual inspection for E&M Tram Stop installation (05B) Ediriburgh Park)
5B-07-TRMS-40 Deliver and	Deliver and Install Shelter	10d 21-Jun-11 05-JuH11	162d :		
	Access for E&M Tram Stop installation (05B Edinburgh Park)	0d: 05-Jul-11	1844		Access for E&M Tram Stop Installation (05B Edinburgh Park)
58-07-TRMS-45 Deliver and	Deliver and Install cubicle	05-Jul-11	1624		
	Install LV Power Supply and LV Power Equipment		162d		
	Install Telecon Equipment	24-Aug-11	167d		
	Install Station Control Equipment + AFC Equipment	24-Aug-11	1624		
80	Package lest Iramstop	5d 28-Sep-11 05-Uct-11	1020		
Stractwork(e54m) 5B-07-TRCK-30 Earthworks	Earthworks- Subbase	11d 30-Aug-10 14-Sep-10	1624		
(3)	e Warks	0d 30-Aug-10*	162d :	- Commence Works	
	Additional Earthworks		162d		
5B-07-TRCK-50 OLE Found	OLE Foundations - Drainage	19d 03-Dec-10 13-Jan-11	162d		
3)	Dralnage	13-Jan-11	162d	٥	
	Irack Formation - Ducts	U/-rep-11	1620		
5B-07-TRCK-70 Track laying (854m)	1g (854m)	44d 11-Mar-11 16-May-11	1624]	
	waysue preparation to roups(u) and outcort). Track Finishes	16-May-11	214d		
Dale Revision	Checkerl Annoved Ba	1			
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ctivity ID	Activity Name	Original Start Duration	Finish Total Float	DIO 2011 A S OCI N D Jani F M Aori M J Juli A S OCI N D Jani F M Aori M	2012 2013 2013 2013
58-07-TRCK-81	Fencing	10d 07-Jun-11	21-Jun-11 237d		
Edinburgh Park Station Bridge (527) Network Pail Submissions and Annoval	(S2T) d Annual	2084 12-10-10 2064 12-10-10	Ki-May-11 20	Constant American American American Station Bridge (S27) American Station Bridge (S27) American Station Statement Sales Statements	
5B-07-S27-10	Installation of Rails				- 22 - 49 - 49
5B-07-S27-11	OLE Poles and Cabling	20d 15-Apr-11	16-May-11 20		 2914 1914
Superstructure	Bridee Einishae	53d 12-Jul-10	23-Sep-10 26	2034 23-Sep.fl0. Superstructure	
Do-V-327-00 Diversion Diversion	bluge ruisites ave) to Gonarhium (Ine)	12-Jui-10			DEC Ediaburah Direk Grantmit Jawa
MUDFA & Unlines Completions		1220110		W 21-Jul-10 MUDFA & Utilities Completions	
5C-06-UTL-10(3)	Edinburgh Park Central to Gyle				
5C-03-UTL-10(3)	Gyle to Depot			Gylik to Depot	
E & M Installations 5C-02-OHLE-40	Access for visual inspection for E&M wayside installation DEH	272d 24-Feb-11 0d 24-Feb-11	30-Mar-12 16	1650 4.37d A Access for visual inspection for E&M wayside installation DEH - GBN	E & M Installations
5C-02-ELEC-40	- GON Access for visual inspection to cable pits for cable laying DEH -	0d: 24-Feb-11	43	437d	*****
5C-02-0HLE-41	Access for E&M wayside installation DEH - GBN	0d 28-Mar-11	24	Accession E&M.waveide Installation DEH -/GBN	
5C-02-ELEC-70	Install Electrical Cables DEH - GBN	28-Mar-11	05-Apr-11 27	•••	
5C-02-ELEC-41	Access to cable pits for cable laying DEH - GBN			272d	
5C-06-ELEC-30	Access for visual inspection to cable pils for cable laying EDP - GYL	0d 09-Aug-11	34	347d Access for visual inspection to cable pits for a	cable faying EOP - GYL
5C-06-OHLE-30	Access for visual inspection for E&M wayside installation EDP - GYL	0d 09-Aug-11	N.	347d Access for visual inspection for E&M wayside installat	nstallation EDP - GYL
5C-06-ELEC-31	Access to cable pits for cable laying EDP - GYL	0d 08-Sep-11	11	174d 🕴 🔶 Auceas to cable pits for cable laying EDP	-GVL
5C-06/07-TELC-60	Install Fibre Optic Cables EPS - EDP - GYL	8d. 08-Sep-11*	20-Sep-11 18		
5C-06-SGNW-60	Install Signalling Wayside Equipment EDP - GYL	08-Sep-11			
5C-06/07-OHLE-50	Installation of poles and building fixings -17 (52 4265 - 53 05	08-Sep-11*	19-Sep-11 17		••••
5C-06-OHLE-31	Access for E&M wayside installation EDP - GYL	08-Sep-11	5.0 II.5		-GYL
50-06-ELEC-60		LI-des-BU			• • • • • • • • • • • • • • •
	Overnead Catenary Line -17 (52 4265 - 53 0590) Among for viewel inconding to earble airs for earble laving CVI	104 70 Doc 11	11 11-100-11		
	DEH		**		
5C-03-OHLE-30	Access for visual inspection for E&M wayside installation GYL - DEH	0d 20-Dec-11	22	2294 A Access for visual inspects	n foc E&M weyside installation
5C-01/03/06-TELC-60	Install Fibre Optic Cables EDP - GYL - DEH + DEP	15d 02-Feb-12			
5C-03-SGNW-60	Install Signalling Wayside Equipment GYL - DEH				
5C-02/03/06-OHLE-50	Installation of poles and building fixings -18 (53 0456 - 53 17		17-Feb-12 3		
		00 UZ-FED-12		Ccess to cable	tor cable laying GYL - DEH
5C-03-ELEC-60	Access for Each wayside installation GTL - UEH Install Electrical Cables GYL - DEH	9d 02-Feb-12	3 14-Feb-12	3/0	wayside installation GTL- UEH
5C-02-SGNW-70	Install Signalling Wayside Equipment DEH - GBN				
5C-02/03/06-OHLE-60	Overhead Catenary Line -18 (53 0456 - 53 1749)		30-Mar-12 3		
5C-02/03-TELC-60	Install Fibre Optic Cables GYL - DEH - GBN	8d 23-Feb-12	05-Mar-12 5	56d	······································
Edinburgh Park (exc.) to Gyle Centre (inc.)	entre (inc.)	378d 12-Jul-10	30-Jan-12 23	T	h Park (exc.) to Gyle Gentre (inc.)
50-06-TRCK-30	Earthworks and Subbase	20d 30-Aun-10	24-Sen-10 10	Unday / Vieway	
5C-06-TRCK-25	Commence Works			106d Commence Works	
5C-06-TRCK-31(3)	Additional Earthworks			1064	
5C-06-TRCK-50	OLE Foundations - Drainage				
5C-06-TRCK-60 5C-06-TRCK-40	Additional Drainage Track Formation and Ducts	40d 09-Feb-11 16d 07-Apr-11	06-Apr-11 10 28-Apr-11 10		
	scked Annroved				••
Project Carlisle Progr	SSC/MHE BSC		Remaining Work	Ϊ,	
T			Actual Work		

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civity 10 5C-06-TRCK-90							
5C-06-TRCK-90	Activity Name	Original Start Duration	Finish Total Float D10	atDt0 Jul A S Oct N D Jan F M Ap	2011 M J Jun A S Oct N D Jun F N	2012 M Apri M J Jul A S Oct	N Dec Jan F
	Road Crossings + mob (track laying activities only)	23d 06-Jun-11					
5C-06-JNCS-70	installation of traffic light control - Junction 205	7d 28-Jun-11			. (
5C-06-TRCK-70	Track laying (750m)],		
5C-06-JNCS-60	installation of traffic light control - Junction 204	6d 0/-Jul-11	05-Aun-11 2410				
5C-06-TRCK-BD	Track Finishes	24d 05-Aug-11			,1		
5C-06-TRCK-81	Fencing	16d 08-Sep-11			0		
Gyle Centre Tram Stop		378d 12-Jul-10	30-Jon+12 234		1 2 2 2 2 2 3 0 1	Jan-12, Gyle Centre Tram Stop	·····
5C-06-TRMS-20	wayleave issued	04 12-Jul-10		5d 🕨 wayleave issued			
5C-06-TRMS-90	Civil Engineering and Building Works	9	04-Nov-11	72			
5C-06-TRMS-30	Access for visual inspection for E&M Tram Stop installation (05C Gyle)	lation 0d 14-Sep-11	332d	2	 Access for visual inspect 	tion for E&M Tram Stop Installation	(05C Gyle)
5C-06-TRMS-40	Deliver and Install Shelter	10d 30-Sep-11	14-Oct-11	P			
5C-06-TRMS-31	Access for E&M Tram Stop installation (05C Gyle)	0d 14-Oct-11			 Access for E&M Trar 	am Stop installation (05C Gyle)	
5C-06-TRMS-45	Deliver and Install cubicle	10d 14-Oct-11					
5C-06-TRMS-50	Install LV Power Supply and LV Power Equipment	25d 28-Oct-11					
5C-06-TRMS-70	Install Telecon Equipment	20d 05-Dec-11		2			
5C-06-TRMS-60	Install Station Control Equipment + AFC Equipment			8			
6 L	Package Test Tramstop	50 23-Jan-12	30-Jan-12 1060		Cantra Tram Stori Defaining Wall (Wis)		••••
Syle Centre (ram Stop Ketaining V	Temborary Works	16d 30-Aug-10	20-Sep-10 115d				
5C-06-W16-110(3)	Commence Works	0d 30-Aug-10		Commence Works			
5C-06-W16-112(3)	Excavation	16d' 21-Sep-10	12-Oct-10	115d			
5C-06-W16-113(3)	Base Construction	24d 05-Oct-10	05-Nov-10				
5C-06-W16-114(3)	Wall Construction	24d 13-Oct-10	15-Nov-10	115d			
5C-06-W16-115(3)	Drainage & Backfill	11d 16-Nov-10	01-Dec-10				
5C-06-W16-116(3)	Finishes	13d 02-Dec-10	20-Dec-10				-
Gyle Centre (exc.) to Depot Stop (inc.)	c.)	426d 12-Jul-10	04-Apr-12 16: 10-5-0-11 28:		30-Sec-11 AB Under	Dass (W28)) to Uepot Stop
Ho Underpass (WZO)		105d 12_04-10	07-Dec-10 35/	of Dec-1d. Phase	• • •		
5C-03-VV28-90(3)10	Deck Construction	38d 12-Jul-10	02-Sep-10 76d	•••••			
5C-03-WZB-90(3)20	North Portal	42d 12-Jul-10	08-Sep-10 41	415d			
5C-03-VV28-90(3)30	Finishes	67d 03-Sep-10	07-Dec-10		·····	·····	
Phase 4		120d 12-Jul-10	4	1-14n-11,	Phase 4	****	
5C-03-WZ8-92(3)10	Deck Construction	47d 12-Jul-10	15-Sep-10		·····		
5C-03-W28-92(3)20	South Portal	01-des-zu bsc	01-VON-/1				
5C-03-VV28-92(3)30	Finishes	/3d 16-Sep-10	11-Jan-11	340			
	Perk Construction	78d 12-Jan-11		34d			
				Land	·····	••••	••••
50-03-VV28-91(3)	remporary works Reinstate Retaining Wall	6d 19-Apr-11					
56-03-008-91(3)30	Finishes		06-Jun-11				
Tunnel Construction		239d 12-Oct-10	30-Sep-11	34d	30-Sep-11, Tunnel Co	onstruction	
5C-03-W28-94(3)	Phases 1 & 2	91d 12-Oct-10	02-Mar-11	192			
5C-03-W28-94(3)10	Phase 3	36d 04-May-11	23-Jun-11	34d			
5C-03-W28-94(3)20	Phase 4	91d 25-May-11	30-Sep-11	34d			
Depot Access Bridge (S32)		39H 01-0-01	24-Mov-10	25+Fe	25-Feb-11, Depot Access Bridge (S32) entre Columns		
5C-03-S32-30(3)	Pile Caps	17d 01-Oct-10	25-Oct-10			**** **** **** **** ****	****
	n Checked	Page 37 of 44	Remaining Work	Critical Remaining Work	Summary		
29-Jul-10 Project Carlisle Programme	SSC/MHE BSC			•			

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di Vinita	Activity Name	Onginal Start Finish Total Duration	otal Float D10 [Juil A S loci N D Jan F A	2011 2011 2011 2012 N D Jan F M Apr M J Jul A S Oct N Declam
5C-03-532-35(3)	Columns	22d 26-Oct-10 24-Nov-10		
North Abutment		12-Jul-10	570d 57.Aug-10, Noith Abutment	
50 52 532 50(3)	Vvalis	15d 12-JUH-10 03-Mug-10		
South Abutment		- 81	472d	South Abritment
5C-03-S32-40(3)	Temporary Works			
5C-03-S32-45(3)	Piling		553d	
5C-03-S32-50(3)	Pile Caps	31d 17-Sep-10 29-Ocl-10	1394	
5C-03-S32-55(3)	Walls		1394	
5C-03-S32-60(3)	Drainage & Backfill	17-Nov-10	472d	
Superstructure		-	435d	26iFebi-11, Superstructure
5C-03-532-55(3) 5C 03 533 70(3)	Ueck	45d U5-Nov-1U 2/-Jan-11		
(c)o.2222-00-00				Vile-Feb-12 Trackwork (562m)
5C-03-TRCK-30	Bulk Excavation	12d 28-Jan-11 14-Feb-11	1384	
5C-03-TRCK-31(3)	Additional Excavation	24d'15-Feb-11 18-Mar-11	1394	
5C-03-TRCK-50	Drainage and OLE Foundations	21-Mar-11	147d	
5C-03-TRCK-51(3)	Additional drainage	21-Mar-11	139d	
5C-03-TRCK-40	Track Formation and Ducts		340	
50-03-1 KCK-70	Irack Laying (362m) noted machine machanical set up	10d 19-00-11 23-00-11	040 134d	
5C-03-SIGN-60	wavside preparation for loops(7) and boxes(2)	14-Dec-11	225d	
5C-03-TRCK-80	Track Finishes	09-Jan-12	37d	
5C-03-TRCK-B1	Fencing and Reinstatements	11d 02-Feb-12 16-Feb-12	68d	(9)
Depot Stop sc. asb. rows 20/3/	terrola sua jeterand	428d 12-Jul-10 04-Apr-12 04 12-Jul-10	360d L wave aver secured	04-Apr-12; Depot Stop
5C-06B-TRMS-90(3)	Civil Engineering and Building Works incl related cubicle	65d 19-Oct-11 01-Feb-12	34d	
and a second	foundations and cable ducts			
5C-06B-TRMS-30(3)	Access for visual inspection for E&M Tram Stop installation (05C Gyle)	0d 13-Dec-11	244d	 Access for visual inspection for E&M Train Stop installation (0
5C-06B-TRMS-40(3)	Deliver and Install shelter	10d 15-Dec-11 11-Jan-12	34d	
5C-06B-TRMS-31(3)	Access for E&M Tram Stop installation (05C Gyle)		34d	♦ Access for E&M Tram Stop installation (05C Gyle)
5C-06B-TRMS-45(3)	Deliver and Install cubicle		34d	
5C-06B-TRMS-50(3)	Install LV Power Supply and LV Power Equipment		340	
5C-06B-1 KMS-70(3) 5C-06B-1 FMS-70(3)	Install Telecon Equipment Site Accordance Test Transition	200 01-Mar-12 28-Mar-12 54 29-Mar-12 04-Anr-12	340 341	
Denot Stop (exc.) to Gonarburn (inc.)		12411110	····	15-Joh-11: Debot Stop (exc.) to Goachum (inc.)
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5C-02-TRMS-10	Issue Construction Drawings Gogarburn Tram Stop	0d 12-Jul-10*	285d 🔶 Issue Construction Drawinge Gog	Gogarbum Tram Stop
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5C-02-TRCK-30	Farthworks		170d	
5C-02-TRCK-50	Drainage			
5C-02-TRCK-40	OLE Foundations & Ducts		170d	
5C-02-TRCK-91	Sub Base & Ballast	17-Dec-10	1704	
5C-02-TRCK-70	Track Laying (562m)		1704	
5C-02-SIGN-70	point machine mechanical set up	15d 17-Jan-11 04-Feb-11 Ed 23 Each 11 04 Mor 11	322d	
5C-02-TRCK-80	Track Finishes	02-Mar-11	,	
Date Rev	d Approved	Page 38 of 44 Remaining Work	Antk Critical Remaining Work	Summary
Project Carlisle Progr	SSC/MHE BSC			

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divity ID	Activity Name	Original Start Fresh Duration	Total Float D10	2013 2013 2013 2013 2013 2013 2013 2013
6A-014-TRCK-76(3)	Second Layer Ballast	17-Sep-10	205d	
6A-014-TRCK-95(3) 6A-014-TRCK-96(3)	Handover to Track Contractor Trackwork	0d 09-Nov-10 21-Dec-10	1734	Handover to Tark Contractor
Depot Building		12-Jul-10	Dality	V 22-Mar-11, Depol Building
6A-01-BLDS-55	Pits		553d	
6A-01-BLDS-65	Building Envelope		574d	
Fitting Out & Finishes	Fitting out and Finishes	60d 12-Jul-10 04-Oct-10 60d 12-Jul-10 04-Oct-10	2080	04-OC5-10; Finting Out & Finishes
E & M Workshop Equipment Installation	t installation	111d 06-Sep-10 22-Feb-11	438d	22-febilit & M Workstop Equipment Installation
6A-01-BLDS-30	Access for visual inspection for E&M workshop equipment	06-Sep-10	575d	workshop; equipment
6A-01-BLDS-72	Installation of workshop equipment	90d 05-Oct-10 22-Feb-11	418d	
6A-01-BLDS-31	Access for E&M workshop equipment	05-Oct-10	554d	Access for E&M workshop equipment
Building Services		12-Jul-10	280d	V 14-Dec-10, Building Services
6A-01-BLDS-70	Building Services Installation	55d 12-Jul-10 27-Sep-10	280d	
09-01-BITRS-80	Building Services Commissioning	900 10-Aug-10 14-Dec-10 201 22 5-5 11 22 Mar 11	2002	
6A-01-BLDS-81	Inspection and Testing	197	418d	
Depot Substation		1 1434 12-Val-10 111-Feb-11	4454	11-Feb-ti, DepotSubitation
6A-01-SUBS-90	Civil Engineering and Building Works	45d. 12-Jul-10 13-Sep-10	276d	
6A-01-SUBS-110	wayleave granted (depot + Maybury area)	0d 12-Jul-10	281d	wayleave;granited (depot + Maybury;area)
6A-01-SUBS-120	meter issue for power supply clarified		301d	meter issue for power supply clarified
6A-01-SUBS-100	cable duct for Power Infeed	15d 10-Aug-10 31-Aug-10	276d	
6A-01-SUBS-30	Access for visual inspection for E&M Substation installation (06A Depot)	0d 13-Aug-10	591d	Access for visual inspection for E&M Substation installation (06A Depot);
6A-01-SUBS-130	installation HV cable	20d 03-Sep-10 30-Sep-10	273d	
6A-01-SUBS-31	Access for E&M Substation installation (D6A Depot)	0d 13-Sep-10	301d	Access for E&M Substation installation (06A Depot)
6A-01-SUBS-40	Power Infeed from Public Net available inc HV cable	01-Oct-10	273d	Power Infeed from Public Net available inc HV pable
6A-01-SUBS-45	Install HV Power Supply and Equipment (SP)	01-Oct-10	273d	
6A-01-SUBS-70	Install Telecom and Scada	22-Oct-10	445d :	
6A-01-SUBS-50	Install LV Power Supply and LV Power Equipment	29-Oct-10	445d	
6A-01-SUBS-60	Installation of TPS Equipment		445d	
6A-01-SUBS-55	Energisation Scottish Power		Done	
6A-01-SUBS-80	l esting and commissioning	ZUG 1/-730-11-L-66-11	DC44	
6A-01-ROAD-90(3)	Carpark	6d 12-Jul-10 19-Jul-10	524d	
6A-01-ROAD-91(3)	Hardstanding	40d 12-Jul-10 06-Sep-10	548d	
6A-01-ROAD-94(3)	Access Road	22d 20-Jul-10 19-Aug-10	524d	
6A-01-ROAD-95(3)	Complete Access Road & Finishes	30d 17-Dec-10 10-Feb-11	440d	
6A-01-JNCS-60	installation of traffic light control - Junction 208	6d 11-Feb-11 18-Feb-11	440d	
E & M Installations			Pare	24-May-11, E & M Installations
6A-U1-OHLE-5U(3)	Installation of poles and building fixings (Lepot)	32d 16-NoV-1U 13-Jan-11	1/30	
6A-01-OHLE-40	Access for visual inspection for E&M Depot installation		4950	 Access for visual inspection for E&M Depot installation
6A-01-ELEC-40	Access for visual inspection to cable pits for cable laying (Depot)	0d 01-Dec-10	4880	 Access for visual inspection to cable pits for cable laying (Depoil) Access for visual pits for cable pits for cable pits for the pit of th
6A-01-OHLE-41	Access for E&M Depot installation	22-Dec-10	173d	♦ Access for E&M Depot installation :
6A-01-OHLE-60(3)	Overhead Catenary Line (Depot)		173d	
6A-01-SGNW-70	Install Signalling Wayside Equipment (Depot)	12d 14-Jan-11 01-Feb-11	454d	
6A-01-ELEC-70	Access to caute pits for capter aying (pepty) Install Electrical Cables Depot		4410	
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	6.4-01-SIGN-40 6-2-2-SIGN-40 6-2-2-SIGN-90 6.4-01-SIGN-90 6.4-01-SIGN-90 6.4-01-SIGN-100 6.4-01-SIGN-100 6.4-01-SIGN-100 6.4-01-SIGN-100 6.4-01-SIGN-100 6.4-01-SIGN-200 7.4-04-0HLE-30 7.4-04-0HLE-30	o cubicles depot entries	ginal Start		-	
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And-Chile Owner dide range Uner S(3 156 F - 1078) 160 Z-Audit 1 3-Augrit 1130 ZAO24041LE-60 Owner dide range Uner = 5(3 156 F - 1078) 160 Z-Augrit 1340 ZAO24041LE-60 Owner dide range Uner = 20(71058) 1058) 1135(1) 9d 65-Augrit 13-Augrit 22Augrit 22Augrit <td></td> <td>aying IPR - AIR</td> <td>25-14-14</td> <td>11 00 000</td> <td></td> <td>a laying ir</td>		aying IPR - AIR	25-14-14	11 00 000		a laying ir
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Operal Landfill Site (Gogarbum Tram Stop to Bridge Ch 0 to 400) 245d 12-Jul-10 08-Jul-11 343d 06-Jul-11 32d 06-Jul-11 32d 06-Jul-11 32d 06-Jul-11 32d 06-Jul-11 12/Jul-11 06-Jul-11 12/Jul-11 06-Jul-11 12/Jul-11 06-Jul-11 12/Jul-11 06-Jul-11 12/Jul-11 <	Gogarburn (exc.) to inglismon Park & Noe (inc.) Tractwork (1750m)		12-10-10	08-Jul-11		unusufuu (cyc) indusuruu
7A-04-TRCK-110(3) Three Months Settlement Period (Durmy) 66d 12-Jul-10 12.20d 10 12.20d	Gogar Landfill Site (Gogarburn Tram Stop to Bridge Ch 8 to 400)			08-Jul-11		(Gogarburn Tram Stop to Bridge Ch 0
7A-04-TRCK-120 Pre Earthworks Drainage 30d 12-Jul-10 23-Aug-10 170d 170d 7A-04-TRCK-130 Earthworks Outwith Landfill Area 22d 24-Aug-10 22-Sep-10 244d 1 7A-04-TRCK-130 Earthworks Outwith Landfill Area 22d 24-Aug-10 22-Sep-10 244d 1 7A-04-TRCK-130(3) Remove Surcharge 12d 13-Oct-10 122d 1 122d 7A-04-TRCK-130(3) Soil Nailing 52d 29-Oct-10 122d 1 1 7A-04-TRCK-130(3) Soil Nailing 52d 29-Oct-10 25-Jan-11 122d 1 1 7A-04-TRCK-130(3) Soil Nailing Checked Approved Page 41 of 44 manining Annot Critical Borning Mode	7A-04-TRCK-110(3) Three Months Settlement Periv	od (Dummy)	È.	12-Oct-10		
7A-04-TRCK-130 Earthworks Outwith Landfill Area 22d 24-Aug-10 22-Sep-10 244d Main 7A-04-TRCK-120(3) Remove Surcharge 12d 13-Oct-10 122d 12 12 12-Sep-10 24d Main Main 7A-04-TRCK-120(3) Soil Nailing Soil Nailing 52d 29-Oct-10 122d 12				23-Aug-10		
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7A-04-TRCK-130(3) Soil Nailing Soil Nailing Sed 29-05-10 25-Jan-11 1224 1 1 1 1 1224 1 1 1 1 1224 1 1 1 1			13-Oct-10	28-Oct-10	1224	
Revision Checked Approved Page 41 of 44 mm mm Isomaining More Critical Barmaining Work			29-Oct-10	25-Jan-11	1224	
	Revision	Approved	of 44 mm		Critical Remaining Morth	

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Activity ID	Activity Name		Original Start Duration	Finish Tol	Fotal Float D10	S loci N D Jan F N	2011 M April M [3 3ul A	S Oct N D	Jan F M Jan M	2012	S Oct N Declan
7A-04-TRCK-140(3)	Reinforced Earth Embankment		44d 26-Jan-11	28-Mar-11	122d						
7A-04-TRCK-60	Drainage		12d 29-Mar-11		122d		• • • • •				
7A-04-TRCK-90	Ducting & OLE Foundations		11d 15-Apr-11	29-Apr-11	122d		·····				
7A-04-TRCK-140	Sub base & Ballast Track aving (ADDm)		10d 03-May-11 18d 17-May-11	16-May-11 40-Jun-11	1220					····	
7A-04-SIGN-70	waveide preparation for loops(0) and boxes(4)	and buxes(4)	2d 09-Jun-11		2350					····	
7A-04-TRCK-86	Top Ballast			17-Jun-11	122d		1				
0	Fencing & Trackside Finishes			08-Jul-11	343d						
	Ingliston Tram Stop Ch 400 to 800				482d	08-Dec-10, (Gogarburn Bridge to Ingl	pléston; Tram Stop C)	h 40b to 800		
7A-04-TRCK-160	Pre Earthworks Drainage				PO21						
74-04-TRCK-30	Earthworks			30-Aug-10	1840						
74 04 TBCK-51(3)	Of E Coundations & during		1d 31-Aug-10	31-Aug-10	2614		0.000 0.000 0.000 0.000		 		
7A-D4-TRCK-40	Sub base & Ballast		10d 08-Sep-10		261d						
7A-04-TRCK-70	Track Laving (1750m)		20d 22-Sep-10		261d		****				••••
7A-04-SIGN-60	wayside preparation for loops(0) and boxes(8)	and boxes(8)	2d 18-Oct-10	19-Oct-10	389d		••••	222- 222- 222- 222- 222-	• • • •	•••••	••••
7A-04-TRCK-76	Top Ballast		20d 20-Oct-10	16-Nov-10	261d	0				- ja - a	
7A-04-TRCK-80	Fencing & Trackside Finishes		15d 17-Nov-10		482d	0.			····		
Gogarburn Bridge to Inglisto	Gogarburn Bridge to Ingliston Tram Stop Ch 800 to 1750	I THE REPORT OF	160d 12-Jul-10	08-Mar-11	4284		08-Mår-11, Gogarburn I	Bridge to Ingliston	Trarh Stop Ch 800 to	to 1750	·····
74-04-1 RUN-210	Fre carmworks brainage Forthworks			05-Aun-10	1704						
7A-04-TRCK-51(3)10	Drainage		18d, 06-Aug-10		1704						
7A-04-TRCK-180	OLE Foundations & ducts		26d 01-Sep-10		170d				 		
7A-04-TRCK-190	Sub base & Ballast		23d 07-Oct-10	08-Nov-10	1704						····
7A-04-TRCK-200	Track Laying		30d+ 09-Nov-10		: P0/1					 	
7A-04-SIGN-80	wayside preparation for loops(0) and boxes(8)	and boxes(8)	2d 20-Dec-10		345d						
7A-04-TRCK-96	Top Ballast		20d 22-Dec-10		2174 :				····	••••	
7A-04-TRCK-170	Fencing & Trackside Finishes		25a 02-reb-11	U8-Mar-11	4280		10-Mav-01	Indiston Park and I	Ride Tram Ston		
7A-04-TRMS-20	wavleave issued		0d 12-Jul-10	11-America	355d : • Wayl	léave:issued	ndy-11,				
7A-04-TRMS-90	Civil Engineering and Building Works	orks	65d) 23-Nov-10	08-Mar-11	1704		••••				
7A-04-TRMS-30	Access for visual inspection for E&M Tram Stop installation (07A Indicton Park+Ride)	&M Tram Stop installation	0d 14-Jan-11		480d	Access 1	s for visual inspection for E&M	r E&M Traim Stop installation	hstallatioh (07A Inglis	(dn Park+Ride)	
7A-04-TRMS-40	Deliver and Install Shelter		10d 02-Feb-11	15-Feb-11	250d						
7A-04-TRMS-31	Access for E&M Tram Stop installation (07A Ingliston Park+	lation (07A Ingliston Park+	0d 15-Feb-11		275d		cess for E&M Tram Stop	p installation (p7A	Ingliston Park+Ride)		
7A-04-TRMS-45	Deliver and Install cubicle		10d 16-Feb-11	01-Mar-11	250d				·····		
7A-04-TRMS-50	Install LV Power Supply and LV Power Equipment	² ower Equipment	25d 02-Mar-11	06-Apr-11	250d						
7A-04-TRMS-70	Install Telecon Equipment		20d 07-Apr-11		255d :						
7A-04-TRMS-60	Install Station Control Equipment + AFC Equipment	+ AFC Equipment	25d 07-Apr-11		250d :						
7A-04-TRMS-80	Package Test Tramstop		5d 13-May-11	19-May-11	250d		- - - - - - - - - - - - - - - - - - -				
Ingliston Park and Ride Subs	tation		2426 12-04-10	05-Cut+11	3450		nr-50	ul-11, Ingliston Park	and Ride Substation		
74-01-SUBS-170	wayreave granted (BAAA + substation area) meter issue for nower supply clarified	don area) fied	8 2	12-10-10		wayrave granteu (owy + spostation area) therer issue for nower durable clarified	on areau				
7A-04-SUBS-90	Civil Engineering and Building Works	urks	65d 25-Oct-10	07-Feb-11							
7A-01-SUBS-130	installation HV cable		40d 20-Dec-10		183d	1					
7A-04-SUBS-30	Access for visual inspection for E&M Substation installation (07A Indistion Park and Ride)	&M Substation installation	0d 07-Jan-11		188d	Abcess 1	for visual irrspection for B	E&M Substation ins	stallation (07A Inglist	on Park and Ride	
7A-04-SUBS-100	cable duct for Power Infeed		5d 10-Jan-11	14-Jan-11	183d		•••••	 	 		••••
-	-	Posting V	5.44			and the second					
Dale Revision 29- Init-10 Deview Cadiale Development	Revision Lonecked	Approved	rage 42 of 44		y Work	Critical Remaining Work	Summary				
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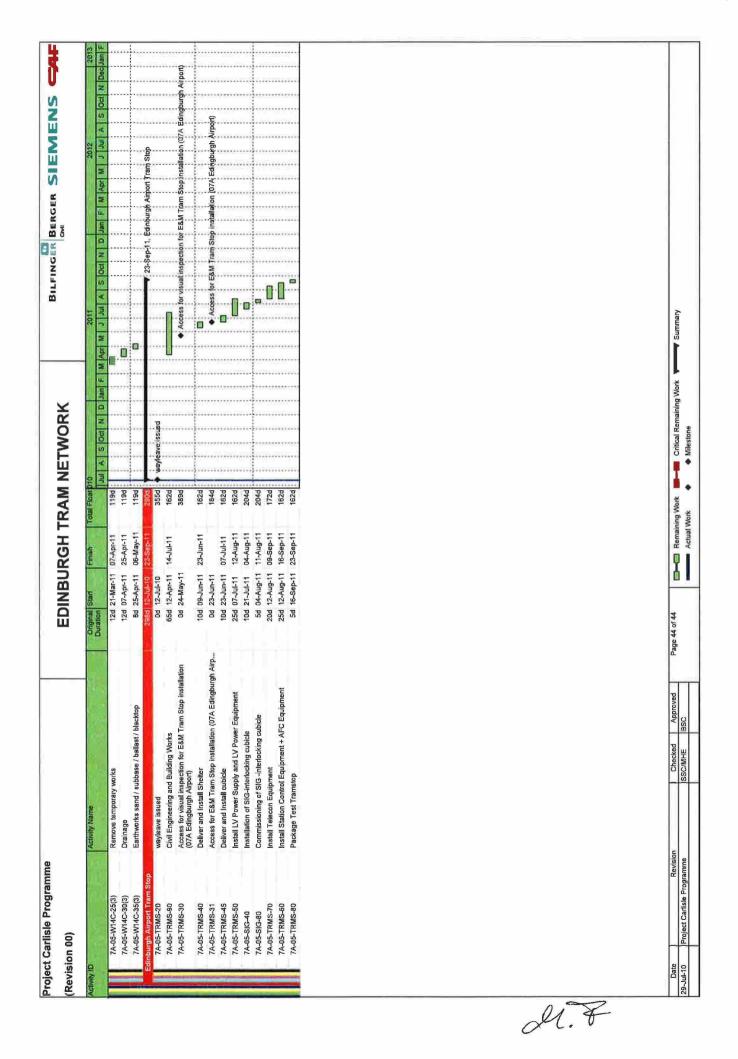
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tething ID 7A-04-SUBS-31 7A-04-SUBS-31 7A-04-SUBS-45 7A-04-SUBS-45 7A-04-SUBS-50					
74-04-SUBS-31 74-04-SUBS-40 74-04-SUBS-45 7A-04-SUBS-50	Activity Name	Original Start	Finish Total Float D10	10 Juli A S Oct N D Jan F M Apr	2011 2012 2012 2012 2012 2012 2012 2012
7A-04-SUBS-40 7A-04-SUBS-45 7A-04-SUBS-50	Access for E&M Substation installation (07A Inglistion Park and Ride)	0d 07-Feb-11	1884	Access f	or E&M Substation Installation (07A Inglistion Park and Ride)
7A-04-SUBS-45 7A-04-SUBS-50	Power Infeed from Public Net available inc HV cable	0d 28-Feb-11	183d	Power	rinfeed from Public Net avadable inc.HV cable
7A-04-SUBS-50	Install HV Power Supply and Equipment (SP)	28-Feb-11	18-Mar-11 183d		
	Install LV Power Supply and LV Power Equipment	21-Mar-11	11-Apr-11 346d		
(A-04-50165-55	Energisation Scottish Power				Energisation Scottish Power;
74 04-SUBS-70	Install relecom and Scada	0 11-144-21 DC1	15-bin-11 346d		
7A-04-SUBS-80	Testing and Commissioning	16-Jun-11			
Tan		204 19-4(4-11 4)	53ep-11 295d		T i6-Skp-tt, Ttam
07-04-TRAM-20	Track Testing of Tram	19-Aug-11			**
Ingliston Park & Ride (exc.) to Edinburgh Airport (inc.) Devices	dinburgh Airport (inc.)	298d 12-Jul-10 2	23-Sep-11 290d	• 12-11/10 Decim	23-Sep-11, Ingliston Parkis, Ride (exc.) to Edinburgh Airport
7A-05-TRCK-10	Issue Construction Drawings Trackwork (New Ingliston Ltd)	PO	12-Jul-10* 588d	 Issue Construction Drawings Trackwork 	(New Ingliston Ltd)
7A-05-TRCK-20	Issue Construction Drawings Gogarbum RWs Redesign	Qd	12-Jul-10* 119d	Issue Construction Drawings Gogarburr	Gogarburn RW's Redesign
Trackwork (833m)					25-Jul-11. Trackwork (833m)
7A-05-LKCK-/0	I rack Laying (833m)		20-Jun-11 1190		
74-05-SIGN-RD	point macinine mechanical set up waveide menaration for Joons/4) and hoves/12)	10d 06-0049-11 0	20-10-11 12/0		
7A-05-TRCK-76		16-Jun-11			
7A-05-JNCS-60	installation of traffic light control - Junction 210	20-Jun-11			
7A-05-TRCK-80	Fencing & Trackside Finishes				
Ingliston to Hilton Ch 1750 to 2040	11225	13d 12-Jul-10 2	28-Jul-10 301d	28-Jul-10, Ingliston to Hilton Ch 1750	to 2040
7A-05-TRCK-60		12-Jul-10			
7A-05-TRCK-50	OLE Foundations & Ducts	15-Jul-10			
7A-05-TRCK-40	Sub Base & Ballast	- 1			
EAL Programme		200d 12-Jul-10 0	06-May-11 388d	10-4 in-10 Phase A (Ch 2040 is 2200	00-May-11, EAL Programme
7A-05-W14A-40(3)	Drainage	15-Jul-10	21-Jul-10 298d		
7A-05-W14A-45(3)	OLE Foundations / Street Lighting & Ducts	8d 22-Jul-10 0	03-Aug-10 298d		
7A-05-W14A-50(3)	Earthworks Finishes sand layer / sub base	0	10-Aug-10 298d		
Phase B				M-40	21.24 21.24
70 DE 10141B-U5(3)					
7A DE MAAB-1U(3)	Carrinvorks (Fill 2300m3, Cur 2900m3, cap 660m3)	2 01-904-42 022	23-36P-10 1520]	
7A-05-W14B-25(3)	brannage Install Temporary Works	23-Sep-10			
7A-05-W14h-20(3)	14b Reinforced Earth Wall	30-Sen-10		E.	
7A-05-W14B-30(3)	14c Reinforced Earth Wall	07-Oct-10			
7A-05-W14B-35(3)	OLE Foundations / Street Lighting			•••••	
7A-05-W14B-40(3)	Footpath Works	Bd 04-Nov-10 1	16-Nov-10 162d		
7A-05-W14B-45(3)	Signalised Junction at Eastfield Avenue	8d 16-Nov-10 2	26-Nov-10 162d		
7A-05-W14B-50(3)	Earthworks sand / subbase / ballast	26-Nov-10	08-Dec-10 162d		
7A-05-W14B-55(3)	Crash Barrier Installation	08-Dec-10			
7A-05-W14B-60(3)	Eastfield Avenue	08-Dec-10			
7A-05-W14C-05(3)	Obtain EAL Permit	30d 12-Jul-10 2	24-Aug-10 119d	· · · · · · · · · · · · · · · · · · ·	OG-May-11, Phase C
7A-05-W14C-10(3)	Earthworks (cut 3600m3, Fill 1900m3)	20d 24-Aug-10 2			
7A-05-W14C-15(3)	Install temporary works				
7A-05-W14C-20(3)	14d RC Retaining Wall	98d 19-Oct-10 2	21-Mar-11 119d		
Date Revi	Revision Checked Approved	Page 43 of 44			
Project Carlisle Progr	SSC/MHE BS		Remaining work	Critical Remaining Work	Summary

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APPENDIX 5.2

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SECTIONAL COMPLETION DATES

Section	Scope	Target Date	Remarks
A	Section A means completion of the Depot (fully functional including energisation) and the first Tram delivered to the Site and assembled;	24. May 2011	finish of access bridge construction not mandatory for that milestone
В	Section B means completion of the test track functional from the Depot west entry/exit to the airport, and five Trams delivered to the Site and assembled with the first Tram to have completed the Tram Type Test and the remaining Trams to have completed the Tram Commissioning Routine Tests, such tests as described in the Employer's Requirements and the completion of all tests required to enable the commencement of Driver Training;	15. September 2011	Allows one year + shadow running remaining time for driver training - lineside systems fully functional - OCC and radio communication functional only as far as available
С	Section C means the carrying out and completion of the section from Airport to Haymarket and the completion of all tests required by the Employer's Requirements in relation to that Section, including those System Acceptance Tests that must be successfully completed prior to shadow running as provided for in the Employer's Requirements;	End of construction 22.May 2012 End of T&C 20. August 2012	3 month for Testing & Commissioning (OCC and radio communication fully functional)
D	Section D means the completion of shadow running and commencement of revenue service approval obtained and the completion of all tests required by the Employer's Requirements in relation to that Section, including those System Acceptance Tests that must be successfully completed to enable Service Commencement; Tram Commissioning Routine Tests performed for trams	19. November 2012	

CONFIDENTIAL - Project Carlisle Initiative Proposal

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