

# Edinburgh Tram Network

## *SDS Progress Report -*

### *Period 4-7*

Doc. Ref: ULE90130-SW-REP-00874 v1



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22 September 2011

**BFB00004592\_0001**

## AUTHORISATION PAGE

Title: SDS Monthly Progress Report				
Approvals	Name	Position	Signed	Date
Author	G Lang	Project Manager		28/09/11
Approver	J Chandler	Project Manager		22/09/11

### Revision History

Ver No	Date	Description	Prepared By
01	22/09/11	Monthly Update	J Chandler

### Distribution

Ver No	Date	Name	Role	Company
01	28/09/11	Martin Foerder	Project Director	BSC

22 September 2011

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**1 TOP ISSUES (DESIGN AND COMMERCIAL)****1.1 Stop line detector Schedule**

- 1.1.1 SDS are in discussion with BBS regarding the inclusion of additional stop line detectors. Meetings are ongoing to define the scope of the additional assets to be included and co-orientated on SDS drawings. SDS will require to re-run the traffic modelling to validate the additional detectors and the impact on the extended model. Formal letter of instruction is required.

**1.2 Signalling Drawings**

- 1.2.1 Formal issue of signalling drawings to allow the completion of the close out of the ducting and drainage design by SDS

**1.3 Approval of LINSIG modelling**

- 1.3.1 SDS have undertaken the agreed adjustments to the traffic modelling as per meeting in August 2011, CEC have responded in letter dated 15<sup>th</sup> September with further queries. This to be closed out at a meeting w/c 26<sup>th</sup> September.

**1.4 Vissim Modelling output**

- 1.4.1 SDS are awaiting revised output form VISSIM modelling being undertaken by others on behalf of CEC.

This will permit the final close out to the traffic modelling associated with the Project

**1.5 Utilities Conflicts**

- 1.5.1 SDS continue to work with BBS and T and T to define the scope of this instruction and to carry out the works in line with the construction programme.

## 2 PRODUCTION OF DESIGN

### 2.1 Programme for Design Completion and Changes

- 2.1.1 Approvals & Consents Update
- 2.1.2 Informatives Update
- 2.1.3 Summary review against current programme

### 2.2 V&V against ER

#### 2.2.1 Design Assurance

The Requirements Database Creation Management Sheet was responded back to BSC within this period and a meeting has been requested for agreement between BSC and SDS. Following the correct allocation of ownership the validation of evidence will follow"

#### 2.2.2 PSCC e.g. RFI/RFO

RFI 21 – Murrayfield Tram stop was responded to at the PSCC in the period.

All design issues were addressed.

Close out of this issue is with TEL requiring an operation method statement..

RFO 18 – Tower Place Bridge

Clarification awaited from Infracore as to the detail to be developed for de-railment containment over the Tower Place structure.

**3 COMMERCIAL****3.1 General**

This report covers Period 11<sup>th</sup> September 2011 to 8<sup>th</sup> October 2011. The progress is detailed for the time period of 11<sup>th</sup> September 2011 to 18<sup>th</sup> September 2011, during which actual events occurred. There are several critical issues outstanding on the project. These are presented per the drawings in Appendix A.

**3.1.1 Applications for Payment**

The Financial and Commercial Statement for the period has been issued under separate cover direct to Infracore.

The current Extended Construction Support organisation chart is noted below:

ECS Manager – Graeme Lang

Inspectors – Trackwork: Chris Reid

Inspectors – Structures/ Utilities – Stuart Findlay/ John Nielson.

Administrator – Claire Paterson.

Current recruitment is ongoing for a further inspector.

**3.1.2 Change Control**

Change Instruction for the following issues remain open. SDS are in discussion with Infracore on the following :

Number	Description
	Old Port Way cycle path
PWtNC 013	Utilities Conflicts
	St Andrew's Square Public Realm
	York Place terminus
	Blenheim Place
DCR 0323	Mound revised cycleway

**3.1.3 ATRs**

Summary of outstanding ATR's will follow.

**3.2 Summary of Changes**

A summary of Change Instruction is included below:

The following DCRs remain outstanding:

Line 1	DCR 0202 DCR 0203 DCR 0209 DCR 0270 DCR 0291 DCR 0320 DCR 0321 DCR 0325
Line 2	DCR 0322 DCR 0326

## 4 UTILITIES

### 4.1 Utilities

SDS are well through the initial instruction PWtNC 13, to review alternative OLE support solutions for the 6 number bases on Clifton terrace, to provide an alternative carriageway design and to review the ability of the as-designed OLE bases to be adjusted without further reference to the design team.

All three elements of the instruction have been reviewed with Infraco. Detail investigation of the base solution for Clifton Terrace is included in Instruction 13a.

Appendix 7/1 has been re-issued with an additional composite road construction to minimise the depth of build up required over existing services

SDS are undertaking detail design of the enhanced track for improvement layer.

The scope of PWtNC 13 has been increased via instructions 13a and 13b.

This now includes preparation of individual base drawings through out the length of the on-street section – Haymarket to York Place.

SDS have recruited additional CAD resource to undertake this additional work.



## 5 EXTENDED CONSTRUCTION SUPPORT

### 5.1 TQs

The weekly TQ list is appended to that report.

### 5.2 Month Ahead Org Chart and Activities

The Extended Construction Support team for the next period is noted below:

ECS Manager – Graeme Lang

Inspectors – Trackwork: Chris Reid

Inspectors – Structures/ Utilities – Stuart Findlay/ John Nielson.

Administrator – Claire Paterson.

ECS are recruiting additional Geotechnical capability to cover the proposed piling and ground improvement works during the next period.

An additional structures inspector has been interviewed and the employment offer is in process. Anticipated start date for this employee is 10<sup>th</sup> October.

**6 DESIGN AND ADDITIONAL DESIGN SUPPORT****6.1 Additional Resources**

The Design Team Leaders detailed below can be made available to respond to TQ's and attend the appropriate meeting (subject to suitable notice) on the proviso that BSC give instruction that these DTLs time spent will be paid for, where the scope lies outwith the scope of core design and Extended construction services.

<b><u>DISCIPLINE</u></b>	<b><u>Code</u></b>	<b><u>DTL (and contact details)</u></b>
Tram	TRM	Alan Dolan
Track (and Alignment)	TRK	Chris Cox
Track Auxiliaries	TRA	Chris Reid
Roads	RDS	Mike Rogers/David Pluse/Martin Young.
Pavement Design	RDS	Orlando Walters
Structures (P)	STR-P	Andy Groves
Structures (H)	STR-H	Philip McKenna
Traction Power Supply	TPS	Mike Coupe
Sub Stations	SUB	Steven Surtees
Depot / Gogar Interchange	DEP	Steven Anderson
Tram Stops	STP	Ashwin Rabadia
Overhead Line Equipment	OLE	Mike Coupe
Supervisory, Control and Comms	SCC	Mike Goldsworthy
Low Voltage Supplies	LVS	John Ash
Street Lighting	STL	Anthony Walsh/ Simon Rowbottom
Drainage	DRN	Matt Fell
Ducting	DUC	Chris Reid
Geotechnical	GEO	Kevin McGinty/Tristan Morgan
Environment	ENV	Mike Rogers
Utilities (L2 - Sections 2, 5, 6 and 7)	UTL	Alan Dolan/Matt Fell
Utilities (L1 - Sections 1 and 3)	UTL	Kevin Perry
Landscape	LSC	John Ramsay

## APPENDIX A – CRITICAL ISSUES DRAWINGS

Doc Ref ULE90130-SW-DRG-00651 (Line 1)

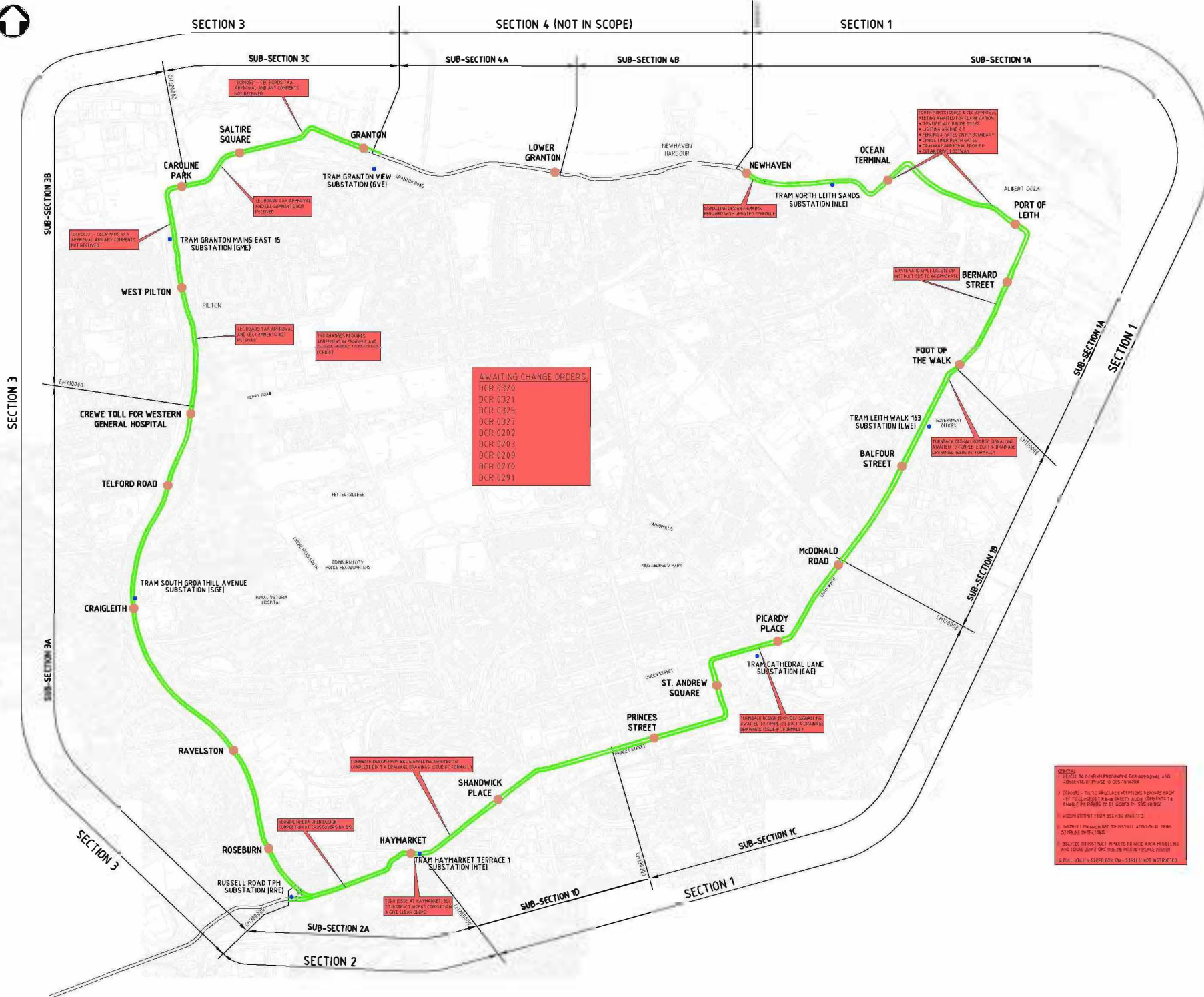
Doc Ref ULE90130-SW-DRG-00652 (Line 2)

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DWG/HUMMINGBIRD REF: 85229  
 PDF/HUMMINGBIRD REF: 85229

KEY  
 DENOTES OUTSTANDING ISSUE GREATER THAN 4 WEEKS OLD



Issue ID	Issue Description	Priority	Status	Assigned To	Due Date
1	...	...	...	...	...
2	...	...	...	...	...
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**GENERAL**  
 1. PLEASE TO CHECK PROGRESS FOR APPROVAL AND COMMENTS OF PHASE 8 DCS IN WORK  
 2. DESIGNED TO PRODUCE EXPERTISE REPORTS EACH TO FOLLOWING PHASES 7 AND COMMENTS TO BE AVAILABLE TO BE ISSUED BY 15/10/2008  
 3. ISSUES ARISING FROM PHASE 7 ARE LISTED  
 4. IMPACT OF PHASE 8 TO BE INSTALLED ADDITIONAL TRAM STATIONS ON THE LINE  
 5. INCLUDE THE PROJECT IMPACTS TO BE IN THE AREA OF THE TRAM AND LOCAL JUNCTS OR ON THE TRAMWAY PLACE DESIGN  
 6. FULLY WITHIN 4 WEEKS FROM ON-STREET NOT INSTALLED

For Information Only

EDINBURGH TRAM NETWORK

PR PARTNERS GROUP

SYSTEM WIDE LINE 1 POST - NOVATION PROJECT ISSUES

PREPARED BY	STAC/HOWARTH	ISSUE NO.	001
APPROVED BY	...	PROJECT NO.	A1
DATE	28/09/2008	SCALE	1:1000

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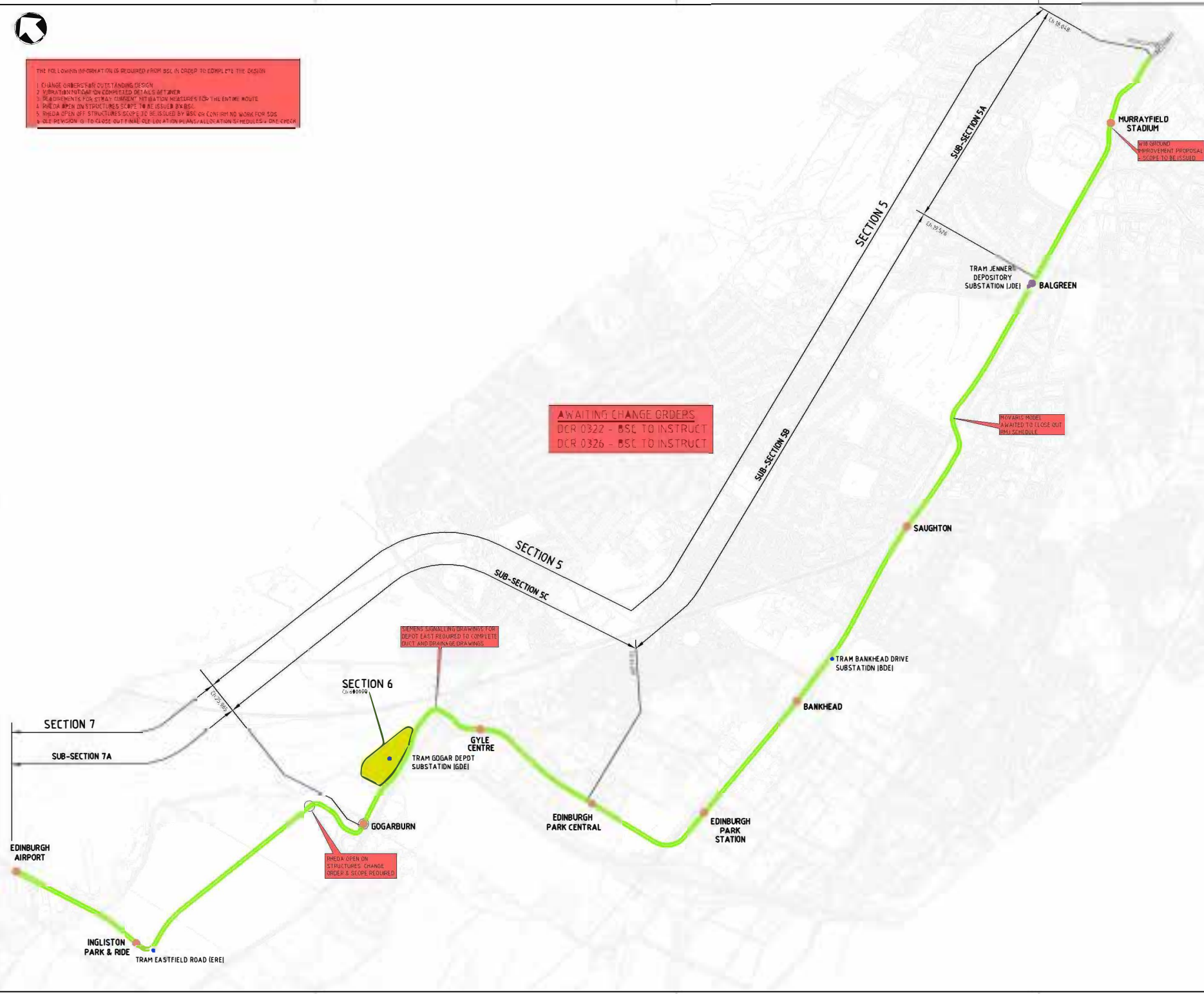


THE FOLLOWING INFORMATION IS REQUIRED FROM BSC IN ORDER TO COMPLETE THE DESIGN

1. CHANGE ORDER/BARY OUTSTANDING DESIGN
2. VIBRATION NOTIFICATION COMPLETED DETAILS SET/IN
3. REQUIREMENTS FOR STRAY CURRENT MITIGATION MEASURES FOR THE ENTIRE ROUTE
4. RHEDA OPEN ON STRUCTURES SCOPE TO BE ISSUED BY BSC
5. RHEDA OPEN OFF STRUCTURES SCOPE TO BE ISSUED BY BSC ON CONFIRM NO WORK FOR SDS
6. BSC DESIGN IS TO RAISE OFFICIAL RHEDA LOCATION PLANS/ALLOCATION SCHEDULES + ONE CHECK


NOTES  
 1 DWG NUMBER/REF 02261  
 2 PDF NUMBER/REF 08267

KEY  
 DENOTES OUTSTANDING ISSUE GREATER THAN 4 WEEKS OLD




NO	ISSUE DESCRIPTION	DATE	STATUS	ASSIGNED TO
1	...	...	...	...
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For Information Only



EDINBURGH TRAM NETWORK



SYSTEM WIDE  
 LINE 2  
 POST - NOVATION  
 PROJECT ISSUES

DATE: 29/09/2008

ULE90130-SW-DRG-00652 29

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## APPENDIX B – SDS DESIGN CLOSE OUT PROGRAMME

Programme - ULE90130-SW-PRO-00010 v75  
Variance Statement - ULE90130-SW-PRO-00029 v42

Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance -V74	Gantt Chart (July 2011 - Feb 2012)											
ULE90130 SDS Edinburgh Tram V75								19-Jan-12, U											
MS - Programme Key Milestones								19-Jan-12, M											
MS - Programme Key Milestones								19-Jan-12, M											
MS - Programme Key Milestones								19-Jan-12, M											
MS - Programme Key Milestones								19-Jan-12, S											
SDS Key Milestones								17-Oct-11, Detail Design Submittals to tie/BSC											
Detail Design Submittals to tie/BSC								17-Oct-11, Detail Design Submittals to tie/BSC											
SDS030 Complete All Detail Design Submittals to BSC								17-Oct-11, Complete All Detail Design Submittals to BSC											
Issue for Construction Drawings to BSC								19-Jan-12, Issue for Construction Drawings to BSC											
SDS109820 Complete All IFC Submittals to BSC								15-Dec-11, Complete All IFC Submittals to BSC											
CEC Section Approval								31-Aug-11, CEC Section Approval											
SDS110140 CEC Approval of Section 2A								31-Aug-11*, CEC Approval of Section 2A											
SDS109440 CEC Approval of Section 7								29-Sep-11, CEC Approval of Section 7											
SDS109430 CEC Approval of Section 5								24-Nov-11, CEC Approval of Section 5											
SDS109420 CEC Approval of Section 1								15-Dec-11, CEC Approval of Section 1											
EPWA - ENGINEERING Project Wide Activities								03-Jul-06 A, EPWA - ENGINEERING Project Wide Activities											
EPWA - ENGINEERING Project Wide Activities								03-Jul-06 A, EPWA - ENGINEERING Project Wide Activities											
EPWA - ENGINEERING Project Wide Activities								03-Jul-06 A, EPWA - ENGINEERING Project Wide Activities											
System Wide IDC								27-Aug-08 A, System Wide IDC											
A41851 System Engineering Input to System Wide IDC Process								27-Aug-08 A, System Engineering Input to System Wide IDC Process											
A41771 System Wide IDC								13-Oct-08 A, System Wide IDC											
A41901 Support to System Wide IDC Process								05-Jan-09 A, Support to System Wide IDC Process											
Track								03-May-11 A, Track											
DCR0237 - Floating Track Design								03-May-11 A, DCR0237 - Floating Track Design											
SDS107210 Design								03-May-11 A, Design											
SDS109330 Receive Workshop Drawings from Siemens								05-Aug-11 A, Receive Workshop Drawings from Siemens											
SDS108630 Receive Noise & Vibration Floating Slab Criteria from Siemens								25-Aug-11 A, Receive Noise & Vibration Floating Slab Criteria from Siemens											
SDS109380 Confirm Noise and Vibration Criteria Suitable for SDS Design								16-Sep-11*, Confirm Noise and Vibration Criteria Suitable for SDS Design											
SDS109340 Issue to CEC for Technical Approval								12-Oct-11, Issue to CEC for Technical Approval											
SDS109350 CEC Technical Approval Period								12-Oct-11, CEC Technical Approval Period											
SDS109360 Prepare IFC Drawings								09-Nov-11, Prepare IFC Drawings											
SDS107220 Issue For Construction Drawings - DCR0237 Floating Track Design								14-Nov-11, Issue For Construction Drawings - DCR0237 Floating Track Design											
DCR0294 - SDS Interface Direct Fix Track for Turnouts/Crossovers								24-May-11 A, DCR0294 - SDS Interface Direct Fix Track for Turnouts/Crossovers											
SDS107390 Design								24-May-11 A, Design											
SDS108620 Receive Information Relating to Direct Fix Track on Turnouts - Depot East/Gateway/Haymar...								18-Aug-11 A, Receive Information Relating to Direct Fix Track on Turnouts - Depot East/Gateway/Haymar...											
SDS107530 Receive Signalling Information from Siemens for Depot East								16-Sep-11*, Receive Signalling Information from Siemens for Depot East											
SDS109390 Prepare IFC Drawings								26-Sep-11, Prepare IFC Drawings											
SDS107400 Issue For Construction Drawings - DCR0294 SDS Interface Direct Fix for Turnouts/ Crosso...								29-Sep-11, Issue For Construction Drawings - DCR0294 SDS Interface Direct Fix for Turnouts/ Crosso...											
DCR0311 - Coordination with Siemens for Rail Expansion Joints on Structures								27-Jul-11 A, DCR0311 - Coordination with Siemens for Rail Expansion Joints on Structures											
SDS107940 Coordination Meeting								27-Jul-11 A, Coordination Meeting											
SDS107710 Design								27-Jul-11 A, Design											
SDS110150 Halcrow Review of SDS Alterations to Russell Road Bridge/ Carrick Knowe Bridge								12-Aug-11 A, Halcrow Review of SDS Alterations to Russell Road Bridge/ Carrick Knowe Bridge											
SDS107540 Siemens to Provide Model Output for Carrick Knowe Bridge								30-Aug-11 A, Siemens to Provide Model Output for Carrick Knowe Bridge											
SDS110160 Prepare Final Movement Joint Schedule								15-Sep-11, Prepare Final Movement Joint Schedule											
SDS107720 Issue Final Movement Joint Schedule								20-Sep-11, Issue Final Movement Joint Schedule											
Modelling								29-Jun-11 A, Modelling											
DCR0265 Tram Turnback Strategy								29-Jun-11 A, DCR0265 Tram Turnback Strategy											
SDS109030 Review Revised Scope								29-Jun-11 A, Review Revised Scope											
SDS108990 Receive BSC Comments								25-Jul-11 A, Receive BSC Comments											
SDS108570 Update to BSC Comments								26-Jul-11 A, Update to BSC Comments											
SDS108670 Prepare Drawings for Tram/Traffic Signalling to Reflect Strategy Paper								26-Jul-11 A, Prepare Drawings for Tram/Traffic Signalling to Reflect Strategy Paper											
SDS105390 Issue For Information - DCR0265 Tram Turnback Strategy								04-Aug-11 A, Issue For Information - DCR0265 Tram Turnback Strategy											

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining   
 ■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ Milestone

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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	July 2011	A	S	D	N	D	J	F
SDS105392	Siemens Update Signal Design	10	05-Aug-11 A	14-Sep-11				Aug-11 A							
SDS105422	CEC Approval of Signal Design	5	15-Sep-11	22-Sep-11											
SDS105402	Update Ducting and Drainage Drawings		22-Sep-11	29-Sep-11											
SDS105412	Issue for Construction - DCR0265 Tram Turnback Strategy	0		29-Sep-11											
<b>Revised Traffic Modelling</b>															
A570230	Receive instruction to Proceed from BSC	0	18-Jul-11 A		01-Aug-11		9								
SDS105450	Review and Revise LINSIG Traffic Models	14	18-Jul-11 A	01-Sep-11	18-Jul-11	05-Aug-11	-18								
A570560	Update LINSIG Traffic Models With CEC Comments	2	15-Aug-11 A	26-Aug-11 A	15-Aug-11	16-Aug-11	-8								
A570530	Issue Design to CEC for Review	0		01-Sep-11		05-Aug-11	-16								
A570540	CEC Review Period of LINSIG Traffic Models	5	01-Sep-11	08-Sep-11	08-Aug-11	12-Aug-11	-16								
A570510	Prepare Revised TRANSYT Traffic Models	14	08-Sep-11	29-Sep-11	08-Aug-11	26-Aug-11	-21								
A570550	Receive CEC Comments of LINSIG / VISSIM Modelling	0		08-Sep-11		12-Aug-11	-16								
A570180	Issue TRANSYT Traffic Models Design to CEC for Review	0		29-Sep-11		26-Aug-11	-21								
A570190	CEC Review Period of TRANSYT Traffic Models	9	29-Sep-11	13-Oct-11	30-Aug-11	12-Sep-11	-21								
A570200	Receive CEC Comments of TRANSYT Traffic Models	0		13-Oct-11		12-Sep-11	-21								
A570210	Update TRANSYT Traffic Models With CEC Comments	2	13-Oct-11	17-Oct-11	13-Sep-11	14-Sep-11	-21								
A570220	Issue Revised Traffic Models to BSC/CEC	0		17-Oct-11		14-Sep-11	-21								
A570520	Final Approval of Traffic Modelling by CEC	0		17-Oct-11		14-Sep-11	-21								
<b>OLE Bases - Generic</b>															
DCR0130	Redesign of OLE Pole Foundations in Section 1c, 1b, 1d, 1a	54	31-May-11 A	26-Aug-11 A	31-May-11	12-Aug-11	-10								
Foundation Allocation Table															
A495108	Update Foundation Allocation Table to Record Actual Foundation to be Constructed	51	31-May-11 A	12-Aug-11 A	31-May-11	12-Aug-11	0								
A495128	Issue Foundation Allocation Table (Part DCR0130) for Sections 1a, 1b, 1c, 1d, to BSC	0		26-Aug-11 A		12-Aug-11	-9								
DCR0176	Redesign of OLE Pole Foundations - Section 2a, 5a, 5b, 5c, 6a, 7a	49	07-Jun-11 A	19-Aug-11 A	07-Jun-11	12-Aug-11	-5								
Foundation Allocation Table															
A491708	Update Foundation Allocation Table to Record Actual Foundation to be Constructed	46	07-Jun-11 A	12-Aug-11 A	07-Jun-11	12-Aug-11	0								
A492788	Issue Foundation Allocation Table (Part DCR0176) for Sections 2a, 5a, 5b, 5c, 6a, 7a to BSC	0		19-Aug-11 A		12-Aug-11	-5								
<b>System Engineering</b>															
Verification and Validation															
A11110	SDDR Support	20	06-Jun-11 A	04-Jul-11 A	06-Jun-11	04-Jul-11	0								
<b>Systems Assurance</b>															
Systems Assurance Management															
SDS66850	Systems Assurance Management	1222	03-Jul-06 A	16-Aug-11 A	03-Jul-06	16-Aug-11	0								
<b>System Safety</b>															
DDCS															
SDS74550	Detailed Design Case for Safety Approval Period	19	07-Jun-11 A	04-Jul-11 A	07-Jun-11	04-Jul-11	0								
Safety Analysis															
SDS74840	Support to BSC with Closure of Hazard Log	759	30-Sep-08 A	22-Nov-11	30-Sep-08	22-Nov-11	0								
<b>Phase 1A/1B Design Integration</b>															
Phase 1A/1B Design Integration															
SDS110360	Complete Review of Drainage / Ducting Design	9	08-Aug-11 A	19-Aug-11 A	08-Aug-11	19-Aug-11	0								
SDS110580	Review Lighting Design	9	08-Aug-11 A	19-Aug-11 A	08-Aug-11	19-Aug-11	0								
SDS110590	Review Tree-Bank	9	08-Aug-11 A	19-Aug-11 A	08-Aug-11	19-Aug-11	0								
SDS110600	Issue Packages for Construction	0		19-Aug-11 A											
SDS110640	Incorporate Additional Comments on Tree-Bank	10	22-Aug-11 A	12-Sep-11											
SDS110585	Incorporate Comments / Correction to Lighting IFC	15	22-Aug-11 A	22-Sep-11											
SDS110595	Issue Final Construction Information	0		22-Sep-11											
<b>Depot Mini Test Track</b>															
SDS108370	Update to Comments	23	27-Jun-11 A	01-Aug-11 A	27-Jun-11	29-Jul-11	0								
A570500	Receive instruction to Proceed from BSC-Revised Rheda Green to Rheda Open	0	01-Aug-11 A		01-Aug-11		0								
SDS110070	Revise Drainage Drawings and Planning Drawings	9	08-Aug-11 A	19-Aug-11 A	08-Aug-11	19-Aug-11	0								

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining   
 █ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone

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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	Calendar
SDS108380	Issue For Construction Drawings- Depot Mini Test Track	0	31-Aug-11	19-Aug-11			-7	Calendar: July 2011, A, S, D, N, D, J, F
<b>On Street Trackform and Lins 2 Crossings</b>								
SDS108000	Additional Drawings Requested by CEC	32	09-Jun-11 A	28-Jul-11 A	09-Jun-11	28-Jul-11	1	26-Jul-11 A
SDS108360	Issue to BSC/CEC for IDR/Tech Approval	0	26-Jul-11 A	01-Aug-11			4	Issue to BSC/CEC for IDR/Tech Approval
SDS108630	Issue to CEC for Prior Approval	0	26-Jul-11 A	01-Aug-11			4	Issue to CEC for Prior Approval
SDS108430	IDR/Tech Approval Period	9	27-Jul-11 A	09-Aug-11 A	27-Jul-11	09-Aug-11	0	09-Aug-11 A
SDS108640	BSC Approval Period	13	27-Jul-11 A	15-Aug-11 A	27-Jul-11	15-Aug-11	0	15-Aug-11 A
SDS108440	Receive IDR/TAA Comments	0	09-Aug-11 A	09-Aug-11			0	09-Aug-11 A
SDS108450	Update to Comments	2	09-Aug-11 A	10-Aug-11 A	09-Aug-11	10-Aug-11	0	10-Aug-11 A
SDS109850	Receive BSC Comments	0	15-Aug-11 A	15-Aug-11			0	15-Aug-11 A
SDS108660	Update for CEC Final Comments	2	15-Aug-11 A	16-Sep-11	15-Aug-11	16-Aug-11	-21	15-Aug-11 A
SDS109920	CEC Final Approval	0	02-Sep-11*				0	02-Sep-11*
SDS108460	Issue For Construction Drawings- On Street Trackform	0	16-Sep-11	16-Aug-11			-21	16-Sep-11
<b>Building Fixing Details</b>								
SDS108250	Design Appropriate Fixing Components	39	20-Jun-11 A	21-Sep-11	20-Jun-11	16-Aug-11	-23	21-Sep-11
SDS108260	Issue to BSC for Comments	0	21-Sep-11	16-Aug-11			-23	21-Sep-11
SDS108500	BSC Approval Period	9	21-Sep-11	05-Oct-11	17-Aug-11	31-Aug-11	-23	05-Oct-11
SDS108270	Update to Incorporate Comments	5	05-Oct-11	12-Oct-11	01-Sep-11	07-Sep-11	-23	05-Oct-11
SDS108400	Issue For Construction Drawings - Building Fixing Details	0	13-Oct-11	08-Sep-11			-23	13-Oct-11
<b>Track Improvement Layer at Dock Bridge</b>								
SDS108320	Receive Details of Rail Expansion and Transition Details from BSC	5	26-Aug-11 A	05-Sep-11	04-Aug-11	11-Aug-11	-14	26-Aug-11 A
SDS108330	Design Interface of Bridge with TIL	14	05-Sep-11	26-Sep-11	11-Aug-11	02-Sep-11	-14	05-Sep-11
SDS108340	Issue Designs for BSC Comment	0	27-Sep-11	05-Sep-11			-14	27-Sep-11
SDS108530	BSC Review Period	5	27-Sep-11	04-Oct-11	05-Sep-11	12-Sep-11	-14	27-Sep-11
SDS108350	Incorporate Comments	5	04-Oct-11	11-Oct-11	12-Sep-11	19-Sep-11	-14	04-Oct-11
SDS108410	Issue to CEC for Approval	0	11-Oct-11	19-Sep-11			-14	11-Oct-11
SDS108520	CEC Approval Period	5	11-Oct-11	18-Oct-11	19-Sep-11	26-Sep-11	-14	11-Oct-11
SDS108540	Incorporate Comments and Prepare IFC Drawings	4	18-Oct-11	24-Oct-11	26-Sep-11	30-Sep-11	-14	18-Oct-11
SDS108420	Issue For Construction Drawings - Track Improvement Layer at Dock Bridge	0	24-Oct-11	30-Sep-11			-14	24-Oct-11
<b>Rheda Trackform on Structures</b>								
SDS108730	Review concept of Rheda Open replacing Direct Fix on 9 Structures	2	04-Jul-11 A	05-Jul-11 A	04-Jul-11	05-Jul-11	0	05-Jul-11 A
SDS110170	Review concept of Rheda Open replacing Direct Fix on 9 Structures	2	18-Jul-11 A	19-Jul-11 A	18-Jul-11	19-Jul-11	0	19-Jul-11 A
SDS108970	Confirm Which Structures Are Potentially Suitable for Rheda Open	3	25-Jul-11 A	27-Jul-11 A	25-Jul-11	27-Jul-11	0	27-Jul-11 A
SDS110180	BSC Meeting to Review Solution to Rheda on Structures	0	31-Aug-11*	04-Aug-11			-17	31-Aug-11*
SDS108980	Produce Detailed Structures Design for Suitable Structures	9	01-Sep-11	14-Sep-11	05-Aug-11	18-Aug-11	-17	01-Sep-11
SDS108740	Issue Outline Design for Rheda Trackform on Structures to BSC for Comment	0	14-Sep-11	18-Aug-11			-17	14-Sep-11
SDS108750	BSC Review Period	5	15-Sep-11	21-Sep-11	19-Aug-11	25-Aug-11	-17	15-Sep-11
SDS108760	Incorporate BSC Comments	5	22-Sep-11	28-Sep-11	26-Aug-11	02-Sep-11	-17	22-Sep-11
SDS108610	Prepare Detailed Design	14	29-Sep-11	19-Oct-11	05-Sep-11	23-Sep-11	-17	29-Sep-11
SDS108770	Issue to BSC & CEC for Technical Approval	0	19-Oct-11	23-Sep-11			-17	19-Oct-11
SDS108780	CEC & BSC Approval Period	0	20-Oct-11	26-Sep-11	30-Sep-11		-17	20-Oct-11
SDS108790	Incorporate Comments and Prepare IFC Drawings	4	27-Oct-11	01-Nov-11	03-Oct-11	06-Oct-11	-17	27-Oct-11
SDS108800	Issue For Construction Drawings - Rheda Trackform on Structures	0	01-Nov-11	06-Oct-11			-17	01-Nov-11
<b>Rheda Trackform off Structures</b>								
SDS109150	Produce Detailed Design for Rheda Trackform off Structures	19	04-Jul-11 A	04-Jul-11	04-Jul-11	07-Sep-11	-19	04-Jul-11 A
SDS109060	Issue Outline Design for Rheda Trackform off Structures to BSC for Comment	0	29-Jul-11 A	29-Jul-11			20	29-Jul-11 A
SDS109110	SDS/BSC Meeting with Concrete Provider	1	03-Aug-11 A	03-Aug-11	03-Aug-11	03-Aug-11	0	03-Aug-11 A
SDS109130	Prepare Concrete Mix Design with Supplier/Track Loadings by BSC	14	01-Sep-11	21-Sep-11	04-Aug-11	24-Aug-11	-18	01-Sep-11
SDS109080	Issue to BSC for Technical Approval	0	21-Sep-11	24-Aug-11			-18	21-Sep-11
SDS109100	BSC Approval Period	5	22-Sep-11	28-Sep-11	25-Aug-11	01-Sep-11	-18	22-Sep-11
SDS109120	Incorporate BSC Comments and Prepare IFC Drawings	4	29-Sep-11	04-Oct-11	02-Sep-11	07-Sep-11	-18	29-Sep-11

█ Remaining Level of Effort   
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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance -V74	July 2011	A	S	O	N	D	J	F
SDS109090	Issue For Construction Drawings - Rheda Trackform off Structures	0	04-Oct-11	07-Sep-11			-18								
<b>Building Mounted Lighting</b>															
SDS110650	CEC Review	9	07-Sep-11*	20-Sep-11				07-Sep-11							
SDS110550	Meet With Property Owners to Confirm Routing of Supplies	0	21-Sep-11*												
SDS110560	Prepare Drawings	5	22-Sep-11*	29-Sep-11											
SDS110570	Issue Revised IFC Drawings - Building Mounted Lighting	0	30-Sep-11*												
<b>PW/INC - 13 Redesign to Avoid Utilities</b>															
OLE		44	22-Jul-11 A	01-Nov-11											
SDS110460	Redesign of 6 Number Bases at Clifton Terrace	5	22-Jul-11 A	25-Oct-11				11 A							
SDS110470	Issue Revised IFC Drawings - Revised OLE Bases	0	25-Oct-11												
SDS110520	BSC / CEC Approval Period	5	25-Oct-11	01-Nov-11											
SDS110530	Final Construction Issue of OLE Bases	0	01-Nov-11												
<b>Track Work</b>															
SDS110490	Revised Track Formation Design that deals with Localised Shadow Utilities	27	31-Aug-11 A	07-Oct-11											
SDS110480	Issue Revised IFC Drawings - Revised Track Formation	20	31-Aug-11 A	30-Sep-11				31 A Aug-11 A							
SDS110540	BSC / CEC Approval Period	5	30-Sep-11	07-Oct-11											
SDS110610	Final Construction Issue of Revised Track Formation	0	07-Oct-11												
<b>Highways</b>															
SDS110610	Revised Composite Road Design in Addition to Appendix 7/1	21	30-Aug-11 A	16-Sep-11											
SDS110600	Issue Revised IFC Drawings - Revised Composite Road Design	20	30-Aug-11 A	09-Sep-11				30-Aug-11 A							
SDS110620	BSC / CEC Approval Period	5	09-Sep-11	16-Sep-11											
SDS110630	Final Construction Issue of Revised Composite Road Design	0	16-Sep-11												
<b>Haymarket to Newhaven Road - Section 1</b>															
Section 1A2 Lath Dock Gates to Tower Place Bridge		90	27-May-11 A	29-Sep-11	27-May-11	29-Sep-11	0								
<b>Subsection Wide</b>															
DCR0240 Forth Ports Section 1A - Fence Alterations		38	18-Jul-11 A	07-Sep-11	18-Jul-11	11-Aug-11	-19								
SDS108830	Forth Ports Review Period	5	18-Jul-11 A	23-Jul-11 A	18-Jul-11	22-Jul-11	0	1 A							
SDS108840	Update to Forth Ports Comments	5	01-Sep-11	07-Sep-11	09-Aug-11	11-Aug-11	-17	01-Sep-11							
SDS110060	Receive Forth Ports Comments	0	01-Sep-11*	09-Aug-11											
SDS105070	Issue For Construction Drawings - DCR0240 Fence Alterations	0	07-Sep-11	11-Aug-11											
<b>817 Tower Place Bridge</b>															
DCR0232 Tower Place Bridge Steps		90	27-May-11 A	29-Sep-11	27-May-11	29-Sep-11	0								
A570020	Design of Tower Place Bridge Steps	38	27-May-11 A	29-Jul-11 A	27-May-11	22-Jul-11	-4								
SDS108670	Issue to CEC for Prior Approval	0	28-Jul-11 A	29-Jul-11											
A569670	Issue Design to CEC TAA for Approval	0	29-Jul-11 A	01-Aug-11											
A570090	Issue Design to Forth Ports for Approval	0	29-Jul-11 A	01-Aug-11											
A569660	CEC TAA Approval Period	5	29-Jul-11 A	04-Aug-11 A	29-Jul-11	04-Aug-11	0	04-Aug-11 A							
A570070	Forth Ports Approval Period	5	29-Jul-11 A	03-Sep-11	29-Jul-11	04-Aug-11	-23	04-Aug-11 A							
SDS108650	Prior Approval Period	38	29-Jul-11 A	23-Sep-11	29-Jul-11	23-Sep-11	0	04-Aug-11 A							
A569690	Receive CEC TAA Comments	0	04-Aug-11 A	04-Aug-11											
A570080	Receive Forth Ports Comments	0	03-Sep-11	04-Aug-11											
A570090	CEC to Clarify Scope	5	09-Sep-11	16-Sep-11											
SDS108680	Receive Prior Approval Comments	0	23-Sep-11	23-Sep-11											
SDS109600	Update to Comments	5	23-Sep-11	29-Sep-11	23-Sep-11	29-Sep-11	0								
A570010	Issue for Construction Drawings - DCR0232 Tower Place Bridge Steps	0	29-Sep-11	29-Sep-11											
<b>Section 1A3 - Tower Place Bridge to Ocean Terminal (West Side)</b>															
Subsection Wide		79	04-Jul-11 A	20-Oct-11	04-Jul-11	30-Sep-11	-14								
<b>DCR0309 - Revised Finishes to Ocean Terminal</b>															
SDS107620	Initial Design	21	22-Jul-11 A	19-Aug-11 A	15-Jul-11	18-Aug-11	-2								
SDS107660	Issue Design to Forth Port for Approval	0	22-Aug-11 A												
SDS107640	Receive Forth Ports Comments	0	08-Sep-11*												

█ Remaining Level of Effort   
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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	July 2011	A	S	D	N	O	J	F
SDS107650	SDS Incorporate Forth Ports Comments & Prepare IFC Drawings	20	08-Sep-11	07-Oct-11											
SDS107630	Issue For Construction Drawings - DCR0309 Ocean Terminal Finishes	0	07-Oct-11		19-Aug-11		-36								
DCR0308 - Ocean Drive Link - Footway/Cycleway															
SDS107680	Prepare Estimate	3	18-Jul-11 A	14-Sep-11	18-Jul-11	13-Sep-11	0								
SD6107590	Design	19	01-Aug-11 A	25-Aug-11 A	01-Aug-11	25-Aug-11	0								
A570100	Issue Design to CEC for Approval	0	26-Aug-11 A		26-Aug-11		0								
A570110	CEC Approval Period	5	26-Aug-11 A	06-Sep-11	26-Aug-11	06-Sep-11	0								
A570120	Receive CEC Comments	0	06-Sep-11		06-Sep-11		0								
A570130	SDS Incorporate CEC Comments & Prepare IFC Drawings	5	06-Sep-11	13-Sep-11	06-Sep-11	13-Sep-11	0								
SD6107600	Issue For Construction Drawings - DCR0308 Hawthorne Vale Cycleway	0	14-Sep-11		14-Sep-11		0								
DCR0308B - Ocean Drive - Old Port Cycle Way															
A570630	Issue Design to CEC for Approval	0	26-Aug-11 A		26-Aug-11		0								
A570660	CEC Approval Period	5	26-Aug-11 A	12-Oct-11											
SD6110400	Design	19	12-Sep-11	07-Oct-11											
SD6110420	Receive CEC Instruction on Old Port Cycle Way	0	12-Sep-11*												
A570640	Receive CEC Comments	0		12-Oct-11											
A570650	SDS Incorporate CEC Comments & Prepare IFC Drawings	5	12-Oct-11	19-Oct-11											
SD6110410	Issue For Construction Drawings - DCR0308 Old Port Rd Footway	0	19-Oct-11		19-Oct-11		0								
DCR0300 - New Access Road to Forth Ports Cruise Liner Area															
SD6106680	Issue DCR0300 for Planning Approval	0	04-Jul-11 A		04-Jul-11	29-Aug-11	0								
SD6106690	Full Planning Approval Period	25	04-Jul-11 A	12-Aug-11 A	04-Jul-11	12-Aug-11	0								
SD6106700	Update Drawings to Incorporate Planning Comments	3	15-Aug-11 A	26-Aug-11 A	15-Aug-11	26-Aug-11	0								
SD6110430	Application Withdrawn - Not Required	0	16-Aug-11 A		16-Aug-11		0								
SD6107430	Issue For Construction Drawings - DCR0300 New Access Rd Forth Ports	0	29-Aug-11 A		29-Aug-11		0								
DCR0327 Ocean Terminal Bypass Road															
A570340	Receive Instruction to Proceed from BSC	0	18-Jul-11 A		18-Jul-11		0								
A570230	Design of Ocean Terminal Bypass Road	19	15-Aug-11 A	14-Sep-11	15-Aug-11	12-Sep-11	-3								
A570570	Receive Instruction to Proceed from BSC	0	15-Aug-11 A		15-Aug-11		0								
A570240	Issue Design to CEC TAA for Approval	0		14-Sep-11		12-Sep-11	-3								
A570270	CEC TAA Approval Period	5	14-Sep-11	21-Sep-11	13-Sep-11	18-Sep-11	-3								
A570300	Issue Design to Forth Ports for Approval	0		14-Sep-11		12-Sep-11	-2								
A570330	Forth Ports Approval Period	5	14-Sep-11	21-Sep-11	13-Sep-11	19-Sep-11	-3								
A570250	Receive CEC TAA Comments	0		21-Sep-11		19-Sep-11	-2								
A570260	SDS Incorporate CEC TAA Comments & Prepare IFC Drawings	3	21-Sep-11	04-Oct-11	20-Sep-11	30-Sep-11	-2								
A570310	Receive Forth Ports Comments	0		21-Sep-11		19-Sep-11	-2								
A570320	SDS Incorporate Forth Ports Comments & Prepare IFC Drawings	3	21-Sep-11	30-Sep-11	20-Sep-11	21-Sep-11	-3								
A570280	Issue for Construction Drawings - Ocean Terminal Bypass Road	0		04-Oct-11		30-Sep-11	-2								
Ocean Drive - Footpath/Verge Design															
A570670	Awaiting Instruction to Commence	0		31-Aug-11											
A570660	Ocean Drive Footpath/Verge Design	26	01-Sep-11*	10-Oct-11	08-Aug-11	15-Sep-11	-16								
A570690	Issue Design to BSC/CEC for Approval	0		10-Oct-11		15-Sep-11	-16								
A570680	BSC/CEC Approval Period	5	10-Oct-11	17-Oct-11	16-Sep-11	23-Sep-11	-16								
A570610	Receive BSC/CEC Comments	0		17-Oct-11		23-Sep-11	-16								
A570620	SDS Incorporate BSC/CEC Comments & Prepare IFC Drawings	3	17-Oct-11	20-Oct-11	23-Sep-11	27-Sep-11	-16								
SD6110380	Issue For Construction Drawings - Ocean Drive Footpath/Verge Design	0		20-Oct-11		28-Sep-11	-17								
Section 144 - Ocean Terminal (West Side) to Newhaven															
DCR0304 - Lindsay Rd Temporary tie-ins		41	18-Jul-11 A	13-Sep-11	18-Jul-11	13-Sep-11	0								
SDS107450	Design	28	18-Jul-11 A	25-Aug-11 A	18-Jul-11	25-Aug-11	-1								
A570140	Issue Design to CEC for Comment	0		26-Aug-11 A		26-Aug-11	0								
A570150	CEC Review Period	5	26-Aug-11 A	06-Sep-11	26-Aug-11	05-Sep-11	0								
A570160	Receive CEC Comments	0		06-Sep-11		05-Sep-11	0								

■ Remaining Level of Effort   
 ■ Actual Work   
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 ■ Actual Level of Effort   
 ■ Remaining Work   
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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	Gantt Chart (July 2011 - Feb 2012)												
A570170	SDS Incorporate CEC Comments & Prepare IFC Drawings	5	06-Sep-11	13-Sep-11	06-Sep-11	12-Sep-11	0	[Gantt bar: 06-Sep-11 to 13-Sep-11]												
SDS107460	Issue For Construction Drawings - DCR0304 Lindsay Rd Temp Tie ins	0	13-Sep-11				0	[Gantt bar: 13-Sep-11 to 13-Sep-11]												
Section 1C2 - Annadale Street to York Place (Picardy Place)			140	20-May-11 A	01-Dec-11	20-May-11	15-Dec-11	10	[Gantt bar: 20-May-11 to 01-Dec-11]											
Consents & Approvals			48	01-Sep-11	07-Nov-11	22-Aug-11	07-Nov-11	0	[Gantt bar: 01-Sep-11 to 07-Nov-11]											
Building Warrant			30	27-Sep-11	07-Nov-11	27-Sep-11	07-Nov-11	0	[Gantt bar: 27-Sep-11 to 07-Nov-11]											
Tram Cathedral Lane Substation DCR0167			30	27-Sep-11	07-Nov-11	27-Sep-11	07-Nov-11	0	[Gantt bar: 27-Sep-11 to 07-Nov-11]											
A28160	Issue Building Warrant for Approval	0	27-Sep-11		27-Sep-11		0	[Gantt bar: 27-Sep-11 to 27-Sep-11]												
A28180	Building Warrant for Approval Period	28	27-Sep-11	07-Nov-11	27-Sep-11	07-Nov-11	0	[Gantt bar: 27-Sep-11 to 07-Nov-11]												
A28170	Building Warrant for Approval Granted	0		07-Nov-11		07-Nov-11	0	[Gantt bar: 07-Nov-11 to 07-Nov-11]												
Prior Approvals			40	01-Sep-11	25-Oct-11	22-Aug-11	17-Oct-11	-7	[Gantt bar: 01-Sep-11 to 25-Oct-11]											
Batch 1/18 Tram Cathedral Lane Substation Redesign DCR0167			40	01-Sep-11	25-Oct-11	22-Aug-11	17-Oct-11	-7	[Gantt bar: 01-Sep-11 to 25-Oct-11]											
A28030	Issue Tram Cathedral Lane Substation Re-Design To CEC For Planning Permission	0	01-Sep-11		22-Aug-11		-7	[Gantt bar: 01-Sep-11 to 22-Aug-11]												
A41150	Batch 1/18 Formal Approval Period	38	01-Sep-11	25-Oct-11	22-Aug-11	17-Oct-11	-7	[Gantt bar: 01-Sep-11 to 25-Oct-11]												
A28100	Planning Permission Granted For Tram Cathedral Lane Substation	0		25-Oct-11		17-Oct-11	-7	[Gantt bar: 25-Oct-11 to 17-Oct-11]												
Tram Cathedral Lane Substation			86	18-Jul-11 A	14-Nov-11	18-Jul-11	14-Nov-11	0	[Gantt bar: 18-Jul-11 to 14-Nov-11]											
DCR0167 Cathedral Lane Substation Misalignment			86	18-Jul-11 A	14-Nov-11	18-Jul-11	14-Nov-11	0	[Gantt bar: 18-Jul-11 to 14-Nov-11]											
SDS106040	Detailed Design	47	18-Jul-11 A	26-Sep-11	18-Jul-11	26-Sep-11	0	[Gantt bar: 18-Jul-11 to 26-Sep-11]												
SDS106040	Receive Instruction to Proceed from BSC	0	18-Jul-11 A		18-Jul-11		0	[Gantt bar: 18-Jul-11 to 18-Jul-11]												
SDS110070	Earthing & Bonding Design	5	01-Sep-11*	07-Sep-11	08-Aug-11	12-Aug-11	-16	[Gantt bar: 01-Sep-11 to 07-Sep-11]												
SDS106890	IDC	5	31-Oct-11	14-Nov-11	31-Oct-11	14-Nov-11	0	[Gantt bar: 31-Oct-11 to 14-Nov-11]												
SDS106630	Prepare IFC Drawings	5	07-Nov-11	14-Nov-11	07-Nov-11	14-Nov-11	0	[Gantt bar: 07-Nov-11 to 14-Nov-11]												
SDS106650	Issue For Construction Drawings - Redesign Cathedral Lane Substation Henderson Global	0		14-Nov-11		14-Nov-11	0	[Gantt bar: 14-Nov-11 to 14-Nov-11]												
DCR0278 Picardy Place Redesign			140	20-May-11 A	01-Dec-11	20-May-11	15-Dec-11	10	[Gantt bar: 20-May-11 to 01-Dec-11]											
SDS107010	Detailed Design	119	20-May-11 A	01-Nov-11	20-May-11	09-Nov-11	4	[Gantt bar: 20-May-11 to 01-Nov-11]												
SDS109000	Optimising Review	11	11-Jul-11 A	26-Jul-11 A	15-Jul-11	26-Jul-11	-14	[Gantt bar: 11-Jul-11 to 26-Jul-11]												
SDS108060	Prepare Planning Drawings	16	26-Aug-11 A	03-Oct-11	26-Aug-11	19-Sep-11	-10	[Gantt bar: 26-Aug-11 to 03-Oct-11]												
SDS106010	Instruction to Proceed from BSC/CEC	0	30-Aug-11 A		27-Jul-11		-34	[Gantt bar: 30-Aug-11 to 27-Jul-11]												
SDS108040	Signs and Lines	11	01-Sep-11	15-Sep-11	10-Aug-11	25-Aug-11	-16	[Gantt bar: 01-Sep-11 to 15-Sep-11]												
SDS108050	TRDs	16	01-Sep-11	22-Sep-11	10-Aug-11	31-Aug-11	-16	[Gantt bar: 01-Sep-11 to 22-Sep-11]												
SDS108070	Traffic Signals	11	01-Sep-11	15-Sep-11	10-Aug-11	25-Aug-11	-16	[Gantt bar: 01-Sep-11 to 15-Sep-11]												
SDS110180	Instruction to Proceed from BSC/CEC	0	01-Sep-11*		10-Aug-11		-16	[Gantt bar: 01-Sep-11 to 10-Aug-11]												
SDS108080	Stage 2 RSA	22	03-Oct-11	01-Nov-11	13-Oct-11	11-Nov-11	8	[Gantt bar: 03-Oct-11 to 01-Nov-11]												
SDS108960	Issue Design Package for Prior Approval	0		03-Oct-11		19-Sep-11	-10	[Gantt bar: 03-Oct-11 to 19-Sep-11]												
SDS107030	Planning Approval	38	04-Oct-11	24-Nov-11	20-Sep-11	10-Nov-11	-10	[Gantt bar: 04-Oct-11 to 24-Nov-11]												
SDS107020	Issue Design Package to CEC for Roads Technical Approval	0		01-Nov-11		14-Nov-11	8	[Gantt bar: 01-Nov-11 to 14-Nov-11]												
SDS107050	CEC Roads Approval Period	19	02-Nov-11	28-Nov-11	15-Nov-11	13-Dec-11	11	[Gantt bar: 02-Nov-11 to 28-Nov-11]												
SDS107060	Prepare IFC Package	3	28-Nov-11	01-Dec-11	13-Dec-11	15-Dec-11	10	[Gantt bar: 28-Nov-11 to 01-Dec-11]												
SDS104280	Issue For Construction Drawings - DCR0278 Picardy Place Redesign	0		01-Dec-11		15-Dec-11	10	[Gantt bar: 01-Dec-11 to 15-Dec-11]												
Blenheim Place Roads Design			29	16-Aug-11 A	14-Sep-11	05-Aug-11	26-Aug-11	-14	[Gantt bar: 16-Aug-11 to 14-Sep-11]											
SDS109490	Issue Blenheim Place Roads Feasibility Design for CEC Approval	0	16-Aug-11 A		05-Aug-11		-7	[Gantt bar: 16-Aug-11 to 05-Aug-11]												
SDS109520	Instruction to Proceed from BSC/CEC	0	01-Sep-11		12-Aug-11		-14	[Gantt bar: 01-Sep-11 to 12-Aug-11]												
SDS109510	Update Drawings to Incorporate Planning Comments	9	01-Sep-11	14-Sep-11	12-Aug-11	25-Aug-11	-12	[Gantt bar: 01-Sep-11 to 14-Sep-11]												
SDS109480	Issue For Construction Drawings - Blenheim Place Roads Design	0	14-Sep-11		26-Aug-11		-14	[Gantt bar: 14-Sep-11 to 26-Aug-11]												
Section 1C3 - York Place to 1D			184	09-May-11 A	19-Jan-12	09-May-11	23-Dec-11	-20	[Gantt bar: 09-May-11 to 19-Jan-12]											
Consents & Approvals			36	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-25	[Gantt bar: 17-Nov-11 to 05-Jan-12]											
Prior Approvals - York Place			36	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-25	[Gantt bar: 17-Nov-11 to 05-Jan-12]											
York Place Tramstop			36	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-25	[Gantt bar: 17-Nov-11 to 05-Jan-12]											
A570030	Issue Prior Approval Notice	0	17-Nov-11		21-Oct-11		-18	[Gantt bar: 17-Nov-11 to 21-Oct-11]												
A570050	Prior Approval Period	28	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-18	[Gantt bar: 17-Nov-11 to 05-Jan-12]												
A570040	Prior Approval Granted	0		05-Jan-12		01-Dec-11	-18	[Gantt bar: 05-Jan-12 to 01-Dec-11]												
Roads, Street Lighting & Landscaping			43	03-Oct-11	01-Dec-11	13-Oct-11	15-Dec-11	10	[Gantt bar: 03-Oct-11 to 01-Dec-11]											

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining   
 █ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone

Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	July 2011	A	S	D	N	D	J	F
DCR0276	Elder Street Change	43	03-Oct-11	01-Dec-11	13-Oct-11	15-Dec-11	10								
SDS05240	Design Elder Street Change	9	03-Oct-11	17-Oct-11	13-Oct-11	26-Oct-11	7								
SDS05250	Incorporate Comments and Prepare IFC Drawings	3	28-Nov-11	01-Dec-11	13-Dec-11	15-Dec-11	10								
SDS05300	Issue for Construction Drawings - DCR0276 Elder Street Change	0		01-Dec-11		15-Dec-11	10								
DCR0264	Listed Building Consents for Dublin Street	171	09-May-11 A	03-Jan-12	09-May-11	22-Nov-11	-29								
SDS105350	Revised Design	85	09-May-11 A	04-Aug-11 A	09-May-11	12-Aug-11	6								
SDS105910	Decision Required from CEC Planners & Technical to Advise Alternatives to Listed Building ...	0	04-Jul-11 A		01-Aug-11		19								
SDS105320	Issue for CEC Approval	0	04-Aug-11 A		15-Aug-11		7								
SDS105310	CEC Approval Period	56	05-Aug-11 A	26-Oct-11	15-Aug-11	07-Nov-11	8								
SDS110440	Historic Scotland Meeting	0	31-Aug-11 A				23								
SDS110450	Update Drawings to include Historic Scotland and CEC Comments	10	05-Sep-11*	19-Sep-11			14								
SDS110455	LBC Approval Period	90	19-Sep-11	16-Dec-11			17								
SDS105360	Update Drawings	5	16-Dec-11	23-Dec-11	08-Nov-11	22-Nov-11	-22								
SDS105380	Issue for Construction Drawings - DCR0264 Listed Building Consents Dublin St	0	03-Jan-12		22-Nov-11		-22								
DCR0273	Junction of Mount, Princes Street and Heron Street	58	18-Jul-11 A	05-Oct-11	18-Jul-11	12-Sep-11	-18								
SDS105920	Receive Confirmation to Proceed on Mound Design	0	18-Jul-11 A		01-Aug-11		9								
SDS105590	Revised Design	13	18-Jul-11 A	31-Aug-11 A	18-Jul-11	04-Aug-11	-16								
SDS105560	Issue for CEC Approval	0	01-Sep-11		05-Aug-11		-17								
SDS105550	CEC Approval Period	19	01-Sep-11	29-Sep-11	05-Aug-11	02-Sep-11	-17								
SDS105560	Update Drawings	5	29-Sep-11	08-Oct-11	05-Sep-11	09-Sep-11	-17								
SDS105570	Re-issue IFC Drawings - DCR0273 Junction of Mount, Princes & Heron St	0	06-Oct-11		12-Sep-11		-17								
DCR0321	York Place Tramstop and Turnback	134	18-Jul-11 A	19-Jan-12	18-Jul-11	15-Dec-11	-25								
SDS109040	Tramstop Design Feasibility	12	18-Jul-11 A	03-Aug-11 A	18-Jul-11	03-Aug-11	0								
SDS109050	Trackwork Design Feasibility	12	18-Jul-11 A	03-Aug-11 A	18-Jul-11	03-Aug-11	0								
SDS109060	Road Alignment Design	12	18-Jul-11 A	03-Aug-11 A	18-Jul-11	03-Aug-11	0								
SDS109030	Receive Instruction to Proceed from BSC	0	27-Jul-11 A		27-Jul-11		0								
SDS109070	Prepare Feasibility Report	6	27-Jul-11 A	03-Aug-11 A	27-Jul-11	03-Aug-11	0								
SDS109080	Issue Feasibility Report to CEC	0		31-Aug-11		03-Aug-11	-18								
SDS110200	Review of Feasibility Report by CEC	5	01-Sep-11	07-Sep-11	04-Aug-11	10-Aug-11	-18								
SDS109070	Revised Feasibility Study Incorporating CEC / TEL New Instruction	14	01-Sep-11	21-Sep-11			-18								
SDS109290	Detailed Design	47	08-Sep-11	16-Nov-11	15-Aug-11	20-Oct-11	-18								
SDS110210	Instruction to Proceed from CEC	0	08-Sep-11		11-Aug-11		-18								
SDS109400	Issue for CEC Approval	0	17-Nov-11		21-Oct-11		-18								
SDS109410	CEC Approval Period	19	17-Nov-11	14-Dec-11	21-Oct-11	17-Nov-11	-18								
SDS109190	Prepare IFC Drawings	5	05-Jan-12	12-Jan-12	01-Dec-11	08-Dec-11	-18								
SDS109220	IDC	9	05-Jan-12	19-Jan-12	01-Dec-11	15-Dec-11	-18								
SDS109180	Issue For Construction Drawings - York Place Tramstop and Turnback	0		19-Jan-12		15-Dec-11	-18								
St Andrews Square Public Realm Works		81	01-Sep-11	23-Dec-11	18-Jul-11	23-Dec-11	0								
SDS109580	Detailed MR Design	8	01-Sep-11	13-Sep-11	18-Jul-11	13-Sep-11	0								
SDS109630	Receive Confirmation to Proceed on St Andrews Square Public Re	0	01-Sep-11*		18-Jul-11		-30								
SDS110220	Receive Instruction to Proceed	0	01-Sep-11*		15-Aug-11		-11								
SDS110240	Utilities	13	01-Sep-11*	20-Sep-11	17-Aug-11	06-Sep-11	-9								
SDS110260	General Layouts	9	01-Sep-11*	14-Sep-11	19-Aug-11	02-Sep-11	-7								
SDS110290	Street Lighting Design	13	01-Sep-11*	20-Sep-11	16-Aug-11	02-Sep-11	-11								
SDS110310	Traffic Signals	16	08-Sep-11	03-Oct-11	26-Aug-11	20-Sep-11	-8								
SDS110250	Pavement Design	19	13-Sep-11	10-Oct-11	13-Sep-11	10-Oct-11	0								
SDS110270	Drainage	24	13-Sep-11	10-Oct-11	13-Sep-11	18-Oct-11	0								
SDS110320	Stage 2 RSA	19	13-Sep-11	10-Oct-11	13-Sep-11	10-Oct-11	0								
SDS110280	Signs & Lines	9	19-Sep-11	03-Oct-11	06-Sep-11	19-Sep-11	-9								
SDS110230	Landscaping	7	23-Sep-11*	03-Oct-11	23-Sep-11	03-Oct-11	0								
SDS110300	TR01	13	03-Oct-11*	21-Oct-11	03-Oct-11	20-Oct-11	-1								

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining ...  
■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ Milestone

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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	July 2011	A	S	D	N	D	J	F
SDS106760	Prepare Specification	8	15-Jul-11 A	22-Jul-11 A	15-Jul-11	22-Jul-11	0	15-Jul-11 A							
SDS106770	Internal Design Check (IDC) by PB	5	25-Jul-11 A	29-Jul-11 A	25-Jul-11	29-Jul-11	0	25-Jul-11 A							
SDS106750	Reinforced Concrete Drawings	22	01-Sep-11*	30-Sep-11	26-Aug-11	27-Sep-11	-3	01-Sep-11*							
SDS106780	Cat3 Check	23	21-Sep-11	21-Oct-11	16-Sep-11	16-Oct-11	-3	21-Sep-11							
SDS106790	Preparation of Design & Check Certificate (PB)	9	14-Oct-11	28-Oct-11	13-Oct-11	26-Oct-11	-2	14-Oct-11							
SDG106800	Prepare IFC Drawings	5	21-Dec-11	28-Dec-11	23-Dec-11	29-Dec-11	1	21-Dec-11							
SDG106810	Issue For Construction Drawings - Edinburgh Gateway RW	0	03-Jan-12	03-Jan-12	03-Jan-12	03-Jan-12	0	03-Jan-12							
CEC Technical Approval								38	03-Oct-11	24-Nov-11	20-Sep-11	14-Nov-11	-7		
SDS106720	Informal Issue of data to CEC	19	03-Oct-11	29-Oct-11	29-Sep-11	25-Oct-11	-3	03-Oct-11							
SDS106850	Submission of final data to CEC	0	01-Nov-11	28-Oct-11	28-Oct-11	28-Oct-11	-1	01-Nov-11							
SDS106860	CEC Review Period	9	01-Nov-11	14-Nov-11	25-Oct-11	11-Nov-11	-1	01-Nov-11							
SDG106870	Formal Approval of CEC	0	24-Nov-11	14-Nov-11	14-Nov-11	14-Nov-11	-7	24-Nov-11							
CEC AIP Approval								21	13-Jun-11 A	11-Jul-11 A	13-Jun-11	11-Jul-11	0		
SDG106830	CEC/Tie Review Period	19	13-Jun-11 A	08-Jul-11 A	13-Jun-11	08-Jul-11	1	13-Jun-11 A							
SDG106840	Principal Approval Awarded	0	11-Jul-11 A	11-Jul-11	11-Jul-11	11-Jul-11	0	11-Jul-11 A							
SW & NR Approvals								94	15-Jul-11 A	24-Nov-11	15-Jul-11	23-Nov-11	0		
SDG106900	Negotiations with Scottish Water	19	15-Jul-11 A	11-Aug-11 A	15-Jul-11	10-Aug-11	-1	15-Jul-11 A							
SDS106910	SW Review Period	19	12-Aug-11 A	08-Sep-11	12-Aug-11	08-Sep-11	0	12-Aug-11 A							
SDS106920	SW Approval	0	09-Sep-11	09-Sep-11	08-Sep-11	08-Sep-11	0	09-Sep-11							
SDG106730	Negotiations with Network Rail	19	21-Oct-11	17-Nov-11	20-Oct-11	15-Nov-11	-2	21-Oct-11							
SDG106880	Network Rail Final Approval	5	17-Nov-11	23-Nov-11	17-Nov-11	23-Nov-11	0	17-Nov-11							
SDG106890	Network Rail Approval	0	23-Nov-11	23-Nov-11	23-Nov-11	23-Nov-11	0	23-Nov-11							
Building Warrant Approvals								30	24-Nov-11	21-Dec-11	24-Nov-11	21-Dec-11	0		
A570440	Issue Drawings Varying Building Warrant	0	24-Nov-11	24-Nov-11	24-Nov-11	24-Nov-11	0	24-Nov-11							
A570460	Building Warrant Variations - Clarification Period	19	24-Nov-11	21-Dec-11	24-Nov-11	21-Dec-11	0	24-Nov-11							
A570450	Building Warrant for Approval Granted	0	21-Dec-11	21-Dec-11	21-Dec-11	21-Dec-11	0	21-Dec-11							
Edinburgh Gateway Tramloop								80	22-Jul-11 A	10-Nov-11	22-Jul-11	10-Nov-11	0		
SDG110010	Tramloop Detailed Design Amendments	38	22-Jul-11 A	19-Sep-11	22-Jul-11	14-Sep-11	-1	22-Jul-11 A							
SDG110000	Altered All Drainage Design and Attenuation	38	12-Aug-11 A	22-Sep-11	12-Aug-11	22-Sep-11	-1	12-Aug-11 A							
SDG110010	Amended Track Alignment for Drainage	19	12-Aug-11 A	08-Sep-11	12-Aug-11	08-Sep-11	0	12-Aug-11 A							
SDG110020	Amended Track Alignment for Ductwork	19	12-Aug-11 A	08-Sep-11	12-Aug-11	08-Sep-11	0	12-Aug-11 A							
SDG110030	Informal Issue of Data to CEC	19	15-Sep-11	12-Oct-11	16-Sep-11	12-Oct-11	0	15-Sep-11							
A570470	Issue Edinburgh Gateway Tramloop for Variation to Planning	0	23-Sep-11	23-Sep-11	23-Sep-11	23-Sep-11	0	23-Sep-11							
A570480	Planning Approval Period	28	23-Sep-11	03-Nov-11	23-Sep-11	03-Nov-11	0	23-Sep-11							
SDG110040	Submission of final data to CEC	0	12-Oct-11	13-Oct-11	13-Oct-11	13-Oct-11	1	12-Oct-11							
SDG110050	CEC Review Period	9	12-Oct-11	25-Oct-11	14-Oct-11	27-Oct-11	1	12-Oct-11							
SDG110060	Formal Approval of CEC	0	27-Oct-11	29-Oct-11	29-Oct-11	29-Oct-11	2	27-Oct-11							
A570490	Receive Planning Application Comments	0	03-Nov-11	03-Nov-11	03-Nov-11	03-Nov-11	0	03-Nov-11							
SDG108080	Prepare IFC Drawings	5	03-Nov-11	10-Nov-11	04-Nov-11	10-Nov-11	0	03-Nov-11							
Final Issue for Construction Issue								0	03-Jan-12	03-Jan-12	03-Jan-12	03-Jan-12	0		
SDG104300	Issue For Construction Drawings and MX Model Edinburgh Gateway	0	03-Jan-12	03-Jan-12	03-Jan-12	03-Jan-12	0	03-Jan-12							
GDE DEPOT - Section 6								38	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
GDE DEPOT - Section Wide								26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-13		
DEPOT								26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
Track								26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
Trackslab for Turnouts East & West Entries & West Sissors								26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
SDG104380	Receive East Track Design from BSC	0	18-Aug-11 A	05-Aug-11	05-Aug-11	05-Aug-11	-8	18-Aug-11 A							
SDG104400	Trackslab East Turnout Design	14	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-10	18-Aug-11 A							
SDG104610	Issue For Construction Drawings - Depot Trackslab for Turnouts East	0	12-Sep-11	12-Sep-11	25-Aug-11	25-Aug-11	-10	12-Sep-11							
Gogarth to Edinburgh Airport - Section 7								97	20-May-11 A	04-Oct-11	30-May-11	05-Oct-11	1		
Section 7A								97	20-May-11 A	04-Oct-11	30-May-11	05-Oct-11	1		

■ Remaining Level of Effort   
 ■ Actual Work   
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 ■ Actual Level of Effort   
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 ◆ Milestone

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Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	July 2011	A	S	D	N	D	J	F	
								0	1	2	3	0	1	2	0	1
Sub Section Wide																
Consents & Approvals																
		97	20-May-11 A	04-Oct-11	20-May-11	05-Oct-11	1									04-Oct-11, Sub Section Wide
		93	25-May-11 A	03-Oct-11	25-May-11	07-Sep-11	-17									03-Oct-11, Consents & Approvals
Technical Approvals																
		93	25-May-11 A	03-Oct-11	25-May-11	07-Sep-11	-17									03-Oct-11, Technical Approvals
	Building Warrant Edinburgh Airport DCR0146 & DCR0095	71	25-May-11 A	01-Sep-11	25-May-11	05-Aug-11	-18									01-Sep-11, Building Warrant Edinburgh Airport DCR0146 & DCR0095
	SDS94200 Building Warrant Formal Approval Period	28	25-May-11 A	06-Jul-11 A	25-May-11	06-Jul-11	1									06-Jul-11 A
	SDS84260 Revise Drainage Design for Building Warrant Approval	15	03-Aug-11 A	24-Aug-11 A				Aug-11 A								24-Aug-11 A
	SDS84220 Receive Building Warrant for Edinburgh Airport Canopy Structure	0		01-Sep-11*		05-Aug-11	-17									Receive Building Warrant for Edinburgh Airport Canopy Structure
BAA Approvals																
	SDS108710 Issue to BAA for Approval	0		01-Sep-11		05-Aug-11	-16									Issue to BAA for Approval
	SDS108720 BAA Approval Period	19	01-Sep-11	29-Sep-11	05-Aug-11	05-Sep-11	-16	01-Sep-11								29-Sep-11
	SDS108730 Incorporate BAA Comments	2	29-Sep-11	03-Oct-11	05-Sep-11	07-Sep-11	-16									03-Oct-11
	DCR0277 CCRC Walkway Earthing & Bonding	90	20-May-11 A	29-Jul-11 A	20-May-11	29-Jul-11	0									29-Jul-11 A, DCR0277 CCRC Walkway Earthing & Bonding
	SD6106610 BAA Approval Period	28	20-May-11 A	04-Jul-11 A	20-May-11	01-Jul-11	0	04-Jul-11 A								
	SD6106660 Update Drawings	12	04-Jul-11 A	23-Jul-11 A	04-Jul-11	20-Jul-11	-8									23-Jul-11 A
	SD6106630 Re-issue IPC Drawings - DCR0277 CCRC Walkway Earthing & Bonding	0	29-Jul-11 A		29-Jul-11		0									Re-issue IPC Drawings - DCR0277 CCRC Walkway Earthing & Bonding
	DCR0226 - Special OLE Base at Stop/Canopy	14	01-Sep-11	21-Sep-11	15-Aug-11	06-Sep-11	-11									21-Sep-11, DCR0226 - Special OLE Base at Stop/Canopy
	SD8107100 Design OLE Base	9	01-Sep-11*	13-Sep-11	15-Aug-11	26-Aug-11	-13	01-Sep-11*								13-Sep-11
	SD8107150 CEC Approval Period	5	14-Sep-11	20-Sep-11	29-Aug-11	02-Sep-11	-12									20-Sep-11
	SD8107160 Issue For Construction Drawings - DCR0226 Special OLE Base	0	21-Sep-11		06-Sep-11		-11									Issue For Construction Drawings - DCR0226 Special OLE Base
	Road Safety Audit (Eastfield Road)	41	08-Aug-11 A	04-Oct-11	08-Aug-11	05-Oct-11	1									04-Oct-11, Road Safety Audit (Eastfield Road)
	SD6108750 Revision to RSA at Eastfield Road - Revised Alignment of Burmide Road to be Considered	18	05-Aug-11 A	01-Sep-11	08-Aug-11	01-Sep-11	0	05-Aug-11 A								01-Sep-11
	SD6108760 Receive Instruction from BSC to Proceed	0	05-Aug-11 A		08-Aug-11		0									Receive Instruction from BSC to Proceed
	SD6108790 Issue to BAA for Approval	0		10-Aug-11 A		02-Sep-11	15									Issue to BAA for Approval
	SD6108800 BAA Approval Period	19	10-Aug-11 A	29-Sep-11	02-Sep-11	20-Sep-11	1	10-Aug-11 A								29-Sep-11
	SD6108810 Incorporate BAA Comments	2	30-Sep-11	03-Oct-11	30-Sep-11	04-Oct-11	1									03-Oct-11
	SD6108760 Issue For Construction Drawings (Eastfield Rd)	0	04-Oct-11		05-Oct-11		1									Issue For Construction Drawings (Eastfield Rd)
	DCR0095 - Edinburgh Airport Kiosk	0	03-Oct-11	03-Oct-11	07-Sep-11	07-Sep-11	-17									03-Oct-11, DCR0095 - Edinburgh Airport Kiosk
	SD694310 Issue For Construction Drawings - DCR0095 Edinburgh Airport Kiosk	0		03-Oct-11		07-Sep-11	-16									Issue For Construction Drawings - DCR0095 Edinburgh Airport Kiosk
	DCR0146 - Design of Canopy Structure at Airport Kiosk	0	03-Oct-11	03-Oct-11	07-Sep-11	07-Sep-11	-17									03-Oct-11, DCR0146 - Design of Canopy Structure at Airport Kiosk
	SD694250 Issue For Construction Drawings - DCR0146 Canopy Structure at Airport Kiosk	0		03-Oct-11		07-Sep-11	-16									Issue For Construction Drawings - DCR0146 Canopy Structure at Airport Kiosk
MPWA - MANAGEMENT Project Wide Activities																
MPWA - MANAGEMENT Project Wide Activities																
MPWA - Management Project Wide Activities																
Management																
	A486660 DD - Project Controls (Task 100.3)	1173	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
	A486878 DD - Project Management (Task 100.1)	1173	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
	A486688 DD - Commercial Management (Task 100.6)	1173	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
	A486668 DD - Design Management (Task 100.2)	1173	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
	A487038 DD - Structures Management	1148	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
	A487078 DD - Hatchov Management	1173	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
	A486918 DD - Administration (Task 900.1)	1173	03-Jul-06 A	04-Jul-11 A	03-Jul-06	01-Jul-11	0	04-Jul-11 A								04-Jul-11 A, Management
Safety Management Activities																
Safety																
	A486993 DD - Safety, Quality & Risk Management (Task 100.4)	1192	03-Jul-06 A	01-Jul-11 A	03-Jul-06	01-Jul-11	1	01-Jul-11 A								01-Jul-11 A, Safety

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining   
 █ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone

SDS - Programme review - Variance Statement V75 - V74

Date 15/09/2011

SDS Delay  
Information from Infracore  
Comment from CEC  
Historic Delay

Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	Comment	
Track		139	03-May11 A	14-Nov-11	03-May11	12-Oct-11	-23		
DCR0237 - Floating Track Design		139	03-May11 A	14-Nov-11	03-May11	12-Oct-11	-23	Delay driven by requirement for further information from BSC.	1
DCR0294 - SDS Interface Direct Fix Track for Turnouts/Crossovers		92	24-May-11 A	29-Sep-11	24-May-11	25-Aug-11	-25	Delay driven by requirement for further information from BSC.	2
DCR0311 - Coordination with Siemens for Rail Expansion Joints on Structures		41	27-Jul-11 A	21-Sep-11	27-Jul-11	31-Aug-11	-15	Delay with SDS	3
Modelling		78	29-Jun-11 A	17-Oct-11	29-Jun-11	14-Sep-11	-22		
DCR0265 Tram Turnback Strategy		24	29-Jun-11 A	04-Aug-11 A	29-Jun-11	01-Aug-11	-3	Issued awaiting comment from CEC.	4
Revised Traffic Modelling		65	18-Jul-11 A	17-Oct-11	18-Jul-11	14-Sep-11	-22	Issued late by SDS, however ongoing delay due to late issue of Approval and VISSIM data by CEC	5
OLE Bases - Generic		0	19-Aug-11 A	26-Aug-11 A	12-Aug-11	12-Aug-11	-10	Issued late by by SDS - delay complete	6
Depot Mini Test Track		0	31-Aug-11	31-Aug-11	19-Aug-11	19-Aug-11	-8	Issued late by by SDS - delay complete	7
On Street Trackform and Line 2 Crossings		72	09-Jun-11 A	16-Sep-11	09-Jun-11	16-Aug-11	-23	Final IFC issue delayed by CEC comments. Due 16th September	8
Building Fixing Details		84	20-Jun-11 A	13-Oct-11	20-Jun-11	08-Sep-11	-25	Delay with SDS	9
Track Improvement Layer at Dock Bridge		56	26-Aug-11 A	24-Oct-11	04-Aug-11	30-Sep-11	-15	Delay driven by requirement for further information from BSC.	10
Rheda Trackform on Structures		44	31-Aug-11	01-Nov-11	04-Aug-11	06-Oct-11	-18	Awaiting Information from BSC	11
Rheda Trackform off Structures		27	29-Jul-11 A	04-Oct-11	04-Aug-11	07-Sep-11	-19	Awaiting Information from BSC	12
Haymarket to Newhaven Road - Section 1		184	09-May-11 A	19-Jan-12	09-May-11	15-Dec-11	-25		
Section 1A2 Leith Dock Gates to Tower Place Bridge		75	27-May-11 A	08-Sep-11	27-May-11	11-Aug-11	-20		
Subsection Wide		5	01-Sep-11	07-Sep-11	05-Aug-11	11-Aug-11	-19		
DCR0240 Forth Ports Section 1A - Fence Alterations		5	01-Sep-11	07-Sep-11	05-Aug-11	11-Aug-11	-19	Delay driven by issue of FP comments	13
S17 Tower Place Bridge		75	27-May-11 A	08-Sep-11	27-May-11	04-Aug-11	-25		
DCR0232 Tower Place Bridge Steps		75	27-May-11 A	08-Sep-11	27-May-11	04-Aug-11	-25	Delay driven by FP comments and further instruction required from CEC.	14
Section 1A3 - Tower Place Bridge to Ocean Terminal (West Side)		69	18-Jul-11 A	20-Oct-11	15-Jul-11	30-Sep-11	-14		
Subsection Wide		69	18-Jul-11 A	20-Oct-11	15-Jul-11	30-Sep-11	-14		
DCR0309 - Revised Finishes to Ocean Terminal		56	22-Jul-11 A	07-Oct-11	15-Jul-11	19-Aug-11	-36	Delayed due to further iteration of comments from FP	15
DCR0308 - Ocean Drive Link - Footway/Cycleway		42	18-Jul-11 A	14-Sep-11	18-Jul-11	13-Sep-11	0		
DCR0327 Ocean Terminal Bypass Road		37	15-Aug-11 A	04-Oct-11	15-Aug-11	30-Sep-11	-2		
Ocean Drive - Footpath/Verge Design		36	01-Sep-11	20-Oct-11	08-Aug-11	28-Sep-11	-17	Awaiting instruction to commence from BSC	16
Section 1A4 - Ocean Terminal (West Side) to Newhaven		41	18-Jul-11 A	13-Sep-11	18-Jul-11	13-Sep-11	0		
DCR0304 - Lindsay Rd Temporary tie-ins		41	18-Jul-11 A	13-Sep-11	18-Jul-11	13-Sep-11	0		
Section 1C2 - Annadale Street to York Place (Picardy Place)		140	20-May-11 A	01-Dec-11	20-May-11	15-Dec-11	10		
Consents & Approvals		40	01-Sep-11	26-Oct-11	22-Aug-11	17-Oct-11	-7		
Prior Approvals		40	01-Sep-11	26-Oct-11	22-Aug-11	17-Oct-11	-7		
Batch 1/18 Tram Cathedral Lane Substation Redesign DCR0167		40	01-Sep-11	26-Oct-11	22-Aug-11	17-Oct-11	-7	Delay with SDS	17
Tram Cathedral Lane Substation		5	01-Sep-11	07-Sep-11	08-Aug-11	12-Aug-11	-18		
DCR0167 Cathedral Lane Substation Misalignment		5	01-Sep-11	07-Sep-11	08-Aug-11	12-Aug-11	-18	Delay with SDS	18
SDS110370 Earthing & Bonding Design		5	01-Sep-11*	07-Sep-11	08-Aug-11	12-Aug-11	-16	Delay with SDS	19
DCR0278 Picardy Place Redesign		140	20-May-11 A	01-Dec-11	20-May-11	15-Dec-11	10	Delayed by late instruction from CEC	20
Blenheim Place Roads Design		29	16-Aug-11 A	14-Sep-11	05-Aug-11	26-Aug-11	-14	Awaiting instruction to commence from BSC	21
Section 1C3 - York Place to 1D		184	09-May-11 A	19-Jan-12	09-May-11	15-Dec-11	-25		
Consents & Approvals		36	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-25		
Prior Approvals - York Place		36	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-25		
York Place Tramstop		36	17-Nov-11	05-Jan-12	21-Oct-11	01-Dec-11	-25	Revised feasibility was required by CEC. This generated the delay.	22
Roads, Street Lighting & Landscaping		43	03-Oct-11	01-Dec-11	13-Oct-11	15-Dec-11	10		
DCR0276 Elder Street Change		43	03-Oct-11	01-Dec-11	13-Oct-11	15-Dec-11	10	Connected to Picardy Place re-design	23
DCR0264 Listed Building Consents for Dublin Street		171	09-May-11 A	03-Jan-12	09-May-11	22-Nov-11	-29	Delay with SDS	24
DCR0273 Junction of Mound, Princes Street and Hanover Street		58	18-Jul-11 A	06-Oct-11	18-Jul-11	12-Sep-11	-18	Delay with SDS	25

SDS - Programme review - Variance Statement V75 - V74

Date

15/09/2011

SDS Delay  
Information from Infracore

Comment from CEC  
Historic Delay

Activity ID	Activity Name	Original Duration	V75 Start	V75 Finish	V74 Start	V74 Finish	Variance - V74	Comment	
DCR0321	York Place Tramstop and Turnback	101	31-Aug-11	19-Jan-12	03-Aug-11	15-Dec-11	-25	Revised feasibility was required by CEC. This generated the delay.	26
	St Andrews Square Public Realm Works	37	01-Sep-11	21-Oct-11	18-Jul-11	20-Oct-11	-1	Awaiting instruction to proceed	27
	Roseburn Junction to Gogarburn - Section 5	456	22-Mar-10 A	28-Dec-11	22-Mar-10	29-Dec-11	1		
	Section 5A	380	22-Mar-10 A	13-Sep-11	22-Mar-10	23-Aug-11	-15		
	Sub Section Wide	380	22-Mar-10 A	13-Sep-11	22-Mar-10	23-Aug-11	-15		
	Roads, Street Lighting & Landscaping	329	22-Mar-10 A	01-Jul-11 A	22-Mar-10	04-Jul-11	1		
DCR0305	Murrayfield Accommodation incorporate As-Builts	31	13-Jun-11 A	01-Jul-11 A	13-Jun-11	26-Jul-11	16	Review of contractor design submission ongoing.	28
SDS107490	Issue For Construction Drawings - DCR0305 Murrayfield As Builts	0	01-Jul-11 A		26-Jul-11		17		
DCR0274	Murrayfield Stadium RW (Ground Conditions)	50	04-Jul-11 A	13-Sep-11	05-Jul-11	23-Aug-11	-15		
	MUR - BAR Including Elevated Route	27	26-Jul-11 A	01-Sep-11	26-Jul-11	19-Aug-11	-8		
	Structures	27	26-Jul-11 A	01-Sep-11	26-Jul-11	19-Aug-11	-8		
	S21A Roseburn Street Viaduct	27	26-Jul-11 A	01-Sep-11	26-Jul-11	19-Aug-11	-8		
DCR0261	Roseburn Street Viaduct Curtain Walls	0	31-Aug-11 A	31-Aug-11 A	19-Aug-11	19-Aug-11	-8	Delay with SDS	29
	Earthing & Bonding Design	27	26-Jul-11 A	01-Sep-11	26-Jul-11	01-Aug-11	-22	IFC issued - delay complete	
DCR0125	- S501 New Reinforced Earth Structure	0	31-Aug-11 A	31-Aug-11 A	19-Aug-11	19-Aug-11	-8		
DCR0125	- S502 Haymarket Depot Access bridge	0	31-Aug-11 A	31-Aug-11 A	19-Aug-11	19-Aug-11	-8		
DCR0125	- S503 New Reinforced Earth Structure	0	31-Aug-11 A	31-Aug-11 A	19-Aug-11	19-Aug-11	-8		30
DCR0125	- S504 Roseburn Street Bridge	0	31-Aug-11 A	31-Aug-11 A	19-Aug-11	19-Aug-11	-8		
DCR0125	- S505 Roseburn Street Retaining Wall	0	31-Aug-11 A	31-Aug-11 A	19-Aug-11	19-Aug-11	-8		
	S21C Murrayfield Underpass	0	31-Aug-11 A	31-Aug-11 A	02-Aug-11	02-Aug-11	-21		
	Earthing & Bonding Design	0	31-Aug-11 A	31-Aug-11 A	02-Aug-11	02-Aug-11	-21		
	Section 5B	69	31-May-11 A	05-Sep-11	31-May-11	09-Aug-11	-19		
	Sub Section Wide	69	31-May-11 A	05-Sep-11	31-May-11	09-Aug-11	-19		
	Roads, Street Lighting & Landscaping	69	31-May-11 A	05-Sep-11	31-May-11	09-Aug-11	-19	Issued one week late - awaiting comments from CEC	31
	Section 5C	165	12-May-11 A	28-Dec-11	12-May-11	29-Dec-11	1		
	Sub Section Wide	65	21-Jul-11 A	20-Oct-11	21-Jul-11	27-Sep-11	-17		
	Revised Drainage at Gogarburn Lodge	65	21-Jul-11 A	20-Oct-11	21-Jul-11	27-Sep-11	-17		
	Cyle Tramstop	55	21-Jul-11 A	06-Oct-11	21-Jul-11	08-Sep-11	-20		
	Edinburgh Gateway	165	12-May-11 A	28-Dec-11	12-May-11	29-Dec-11	1		
	Edinburgh Gateway Retaining Wall Design	165	12-May-11 A	28-Dec-11	12-May-11	29-Dec-11	1		
	Design Process	165	12-May-11 A	28-Dec-11	12-May-11	29-Dec-11	1		
	CEC Technical Approval	38	03-Oct-11	24-Nov-11	29-Sep-11	14-Nov-11	-7		
	CEC AIP Approval	20	13-Jun-11 A	08-Jul-11 A	13-Jun-11	08-Jul-11	1		
	SW & NR Approvals	94	15-Jul-11 A	24-Nov-11	15-Jul-11	23-Nov-11	0		
	Edinburgh Gateway Tramstop	80	22-Jul-11 A	10-Nov-11	22-Jul-11	10-Nov-11	0		
	GDE DEPOT - Section 6	26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
	GDE DEPOT - Section Wide	26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
	DEPOT	26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
	Track	26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12		
	Trackslab for Turnouts East & West Entries & West Scissors	26	18-Aug-11 A	12-Sep-11	05-Aug-11	25-Aug-11	-12	Delay driven by requirement for further information from BSC.	32
	Gogarburn to Edinburgh Airport - Section 7	94	25-May-11 A	04-Oct-11	25-May-11	05-Oct-11	1		
	Section 7A	94	25-May-11 A	04-Oct-11	25-May-11	05-Oct-11	1		
	Sub Section Wide	94	25-May-11 A	04-Oct-11	25-May-11	05-Oct-11	1		
	Consents & Approvals	93	25-May-11 A	03-Oct-11	25-May-11	07-Sep-11	-17		
	Technical Approvals	93	25-May-11 A	03-Oct-11	25-May-11	07-Sep-11	-17	Delay due to re-application of SEPA consent - now approved. Delay complete.	33
	Building Warrant Edinburgh Airport DCR0146 & DCR0095	71	25-May-11 A	01-Sep-11	25-May-11	05-Aug-11	-18		
	BAA Approvals	22	01-Sep-11	03-Oct-11	05-Aug-11	07-Sep-11	-17		
	DCR0277 CCRC Walkway Earthing & Bonding	13	04-Jul-11 A	29-Jul-11 A	04-Jul-11	20-Jul-11	-6		
	DCR0226 - Special OLE Base at Stop/Canopy	14	01-Sep-11	21-Sep-11	15-Aug-11	06-Sep-11	-11	Delay driven by requirement for further information from BSC.	34
	Road Safety Audit (Eastfield Road)	4	08-Aug-11 A	04-Oct-11	08-Aug-11	05-Oct-11	1		
	DCR0095 - Edinburgh Airport Kiosk	0	03-Oct-11	03-Oct-11	07-Sep-11	07-Sep-11	-17	Delay due to re-application of SEPA consent - now approved. Delay complete.	35
	DCR0146 - Design of Canopy Structure at Airport Kiosk	0	03-Oct-11	03-Oct-11	07-Sep-11	07-Sep-11	-17		

**APPENDIX C – TQ SCHEDULE**

TQ Number	Received date	Replied date	Section	Description	Comment
2392	12/05/2011		5C	Edinburgh Gateway surface finishes	
2453	15-07-2011		SW	Conductive Objects	
2477	04-08-2011		5C	A8 Underpass Road Signs	
2482	07-09-2011		Depot	Pump Cable Sizes	Additional Info Required
2496	23-08-2011	23-09-2011	5A	W18 Facing Block Joint Detail	
2499	23-08-2011		Depot	Condensate pipes	
2502	24-08-2011		5A	Murrayfield TS Retaining Wall	
2503	25-08-2011	23-09-2011	5A	Linear deviations in blockwork	
2514	26-08-2011		5B	Bankhead Sub Station Piling	
2515	26-08-2011		5B	Bankhead Sub Station Piling	
2516	30-08-2011		7A	W14C Gogar Burn Retaining Wall	
2519	31-08-2011		7A	Culvert 3 Steel Grating and Handrail	
2520	31-08-2011		5C & 7A	Side roads	
2531	06-09-2011		5A	Murrayfield Training Pitches	
2534	08-09-2011		2A	Haymarket Footpath Reinstatement	
2535	12-09-2011		7A	Retaining Wall 14C	
2536	12-09-2011		5A	Roseburn Structures S504	
2538	12-09-2011		5B	S26/W11 Raising Modular Wall at Approach Abutments	
2539	20-09-2011		1D	IMU Ducting Layout	
2542	20-09-2011		2A	Joint Details	
2543	20-09-2011		2A	Roseburn Delta Parapet	
2544	20-09-2011		2A	Rosebury House Footpath	
2545	20-09-2011		2A	Track Drainage Boxes	
2546	20-09-2011	23-09-2011	5A	Footing Detail for S21B	
2547	22-09-2011	23-09-2011	7A	OLE Foundation	
2548	22-09-2011	23-09-2011	5A	Roseburn Street Drainage	
2549	23-09-2011		1C & D	Princes Street Drainage	