

Edinburgh Tram Network

SDS Progress Report - Period 4-11

Doc. Ref: ULE90130-SW-REP-00899



*Parsons Brinckerhoff Ltd
Edinburgh Tram Network
SDS Provider
9 Lochside Avenue
Edinburgh, EH12 9DJ*

*Telephone: 44(0) 131 452 2800
Email: edinburghtram@pbworld.com*

13 January 2012

BFB00004618_0001

AUTHORISATION PAGE

Title: SDS Monthly Progress Report				
Approvals	Name	Position	Signed	Date
Author	C Reid	Design Manager		16/01/2012
Approver	M Brady	Project Manager		16/01/2012

Revision History

Ver No	Date	Description	Prepared By
01	16/01/2012	Monthly Update	C Reid

Distribution

Ver No	Date	Name	Role	Company
01	16/01/2012	Martin Foerder	Project Director	BBS

CONTENTS

1	KEY ISSUES	4
1.1	Stop line detector Schedule	4
1.2	Approval of LINSIG modelling	4
1.3	Turnback Strategy	4
1.4	Cathedral Lane Substation	4
1.5	Section 1A Designs	4
1.6	Floating Track Slab	4
1.7	Utilities Conflicts	4
1.8	Earthworks Testing	4
1.9	Airport Canopy / Kiosk	4
2	PRODUCTION OF DESIGN	5
3	COMMERCIAL	6
3.1	Application	6
3.2	Change Control	6
4	EXTENDED CONSTRUCTION SUPPORT	7
4.1	General	7
4.2	TQs	7
4.3	As-Builts	7
4.4	NCRs	7
5	DESIGN AND ADDITIONAL DESIGN SUPPORT	8
5.1	Project Resources	8
5.2	Additional Resources	8
	APPENDIX A – SDS DESIGN CLOSE OUT PROGRAMME	10

1 KEY ISSUES

1.1 Stop line detector Schedule

SDS have issued the revised TPDS schedule incorporating additional stop lines as informed by Siemens. SDS will require to re-run the traffic modelling to validate the additional detectors and the impact on the extended model. This process is being undertaken in parallel with the LINSIG and VISSIM modelling reviews. Note this has been carried out for route Haymarket to York Place, required to be carried out for York Place to Newhaven. JRC modelling outputs awaited to commence this task.

1.2 Approval of LINSIG modelling

LINSIG modelling complete for route Haymarket to York Place, except Junction 38. Await confirmation from CEC as to acceptance on this junction and linked junctions 41/42 & 45/46/47. JRC outputs required to commence section from York Place to Newhaven.

1.3 Turnback Strategy

Draft Turnback Strategy issued to Siemens (11/01/12) for comment/review and response awaited to enable issue to CEC for approval.

1.4 Cathedral Lane Substation

GI has raised concerns regarding the existing retaining wall in the area, further to all parties on site review an additional retaining / foundation structure is to be developed. SDS to produce estimate and progress design accordingly.

1.5 Section 1A Designs

All Forth Ports items (Section 1A) on hold awaiting confirmation from CEC/T&T to progress.

1.6 Floating Track Slab

SDS await issue of BBS floating track slab designs for turnouts and feedback from previously issued floating track slab designs.

1.7 Utilities Conflicts

SDS continues to work with BBS and T&T to develop solutions as they arise to facilitate the construction programme.

1.8 Earthworks Testing

Testing regime has been accepted in principle within the period. SDS to formally close following peer review.

1.9 Airport Canopy / Kiosk

SDS to issue pile design to support construction programme.

2 PRODUCTION OF DESIGN

The current status of activities is as noted in the following documentation:

- Programme , as contained within Appendix A
- SDS Design Issues tracker , as distributed and reviewed at the weekly SDS Designs Issues Meeting

3 COMMERCIAL

3.1 Application

The Application for the period is issued under separate cover.

3.2 Change Control

The Change Register is included with Applications.

The following items are / have been progressed but SDS have yet to finalise and agree estimates:

- Revised Design to minimise utility diversions - PWtNC 13
- Revised Design to minimise utility diversions - PWtNC 13c and d
- St John's Church OLEs - redesign to central reservation
- Shandwick Place OLE and landscaping redesign
- Sect 7A - Plot 304 - Landscaping amendments
- Sect 5B - Landscaping amendments
- T&T request for Matt Fell to join utilities team
- Circular Pile Cap Design for OLEs
- Edinburgh Gateway - Initial Feasibility Study for "do minimum" alignment
- Ground Improvement
- As Built Track Alignment against As Built Structures

The following items are currently being estimated and will not be commenced until instructed:

- York Place Tram Stop Detailed Design

4 EXTENDED CONSTRUCTION SUPPORT**4.1 General**

OLE moves on street key sections continue as a result of utility conflicts.

Testing regime has been accepted in principle within the period. SDS to formally close following internal peer review.

4.2 TQs

The weekly TQ list is appended to weekly reports. The status at the end of this period is as follows.

	Period 4-11
Total outstanding	49
Answer outstanding raised before period	10
Raised in period	74
Answered in period	39

4.3 As-Builts

Depot As-Builts are progressing for Building Fabric and Electrical. Red Lines for Mechanical awaited from BBS (BBS have verbally requested SDS to produce an estimate for an As-Built survey).

4.4 NCRs

There are currently 12 no. open NCRs that require SDS's input to close. SDS will work with BBS to close these next period where possible.

5 DESIGN AND ADDITIONAL DESIGN SUPPORT**5.1 Project Resources**

Martin Brady	Project Manager
Kate Shudall	Commercial
Martin Alexander	Planner
Chris Reid	Design Manager
Bob Heald	Design Manager
Grahame Kelly	Design Manager
Graeme Lang	ECS Manager
Angie Smith	Administrator
John Neilson	Inspector
Stuart Findlay	Inspector
Sandy Wood	Inspector
Kevin McGinty	Inspector
Gary Milne	CAD
Jenny Mott	Admin Support

5.2 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 BBS 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.

<u>DISCIPLINE</u>	<u>Code</u>	<u>DTL (and contact details)</u>
Tram	TRM	Chris Reid
Track (and Alignment)	TRK	Tim Farrell
Track Auxiliaries	TRA	Chris Reid
Roads	RDS	Kevin Perry/David Pluse/Martin Young.
Pavement Design	RDS	Martin Young
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 / Bob Heald

SDS Monthly Progress Report
Period 4 - 11

Overhead Line Equipment	OLE	Mike Coupe
Supervisory, Control and Comms	SCC	Mike Goldsworthy
Low Voltage Supplies	LVS	Steve Surtees
Street Lighting	STL	Anthony Walsh/ Simon Rowbottom
Drainage	DRN	Matt Fell
Ducting	DUC	Chris Reid
Geotechnical	GEO	Kevin McGinty/Mark Glendenning
Environment	ENV	Kevin Perry
Utilities (L2 - Sections 2, 5, 6 and 7)	UTL	Chris Reid/ Bob heald
Utilities (L1 - Sections 1 and 3)	UTL	Kevin Perry
Landscape	LSC	John Ramsay

APPENDIX A – SDS DESIGN CLOSE OUT PROGRAMME

Programme



V80 Rev1
16.1.12.pdf

Variance Statement



Variance V80-V79 16
1 12.pdf