

EDINBURGH TRAM NETWORK

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PROTOCOL IN RESPECT OF AGREEMENT TO THE REVISED PROGRAMME

Introduction

A review of the programme has been undertaken to ensure that the design deliverables are aligned with procurement activities to enable delivery of the Infraco and Tramco procurements to the new baseline programme.

This paper and supporting documents sets out the principles agreed between SDS, CEC and tie on achieving this objective.

Agreed Programme

The new baseline programme is as appended to this paper (reference) and as supplemented by the Procurement Key Design Deliverable Schedule.

The design elements of the programme are taken from the current SDS programme. The outputs identified provide information for three critical aspects of the Project:-

1. For procurement of Infraco and Tramco
 - a. To enable selection of preferred bidder
 - b. To enable delivery of a final deal, culminating in a contract award
2. To obtain the statutory prior approvals from CEC
3. For construction drawings to enable the commencement and completion of construction works to programme.

Principles For Delivery To The Programme

All parties agree that delivery to the dates set out in the agreed programme is critical to the delivery of the recommendation for preferred bidder and subsequent award of contract. In particular all parties:-

- Accept that the designs will be delivered in complete pre agreed packages for review by CEC for the purposes of obtaining Prior Approval consent.
- Will provide the necessary co operation and support to enable tie to deliver the Infraco and Tramco procurements in accordance with the agreed programme.
- Accept that the delivery of the design information to **tie** as set out in the attached schedule (Procurement Key Design Deliverable Schedule) is necessary deliver the Infraco preferred bidder and final deal.
- Recognise that in respect of Prior Approvals and issue of designs for construction delivery to the agreed programme is contingent on resolution of the Critical Issues.
- Will co operate to resolve the Critical Issues in a timely manner.
- Will co operate and proactively to resolve all other issues and problems that are, or if not resolved, will prevent the delivery of the agreed programme.
- Agree that other than some latitude at the margins in respect of the nomination of preferred bidder for Infraco and Tramco that there are no realistic fallbacks (i.e. ones which do not threaten the affordability and programme of the Project) in the event that the dates in the programme are not met.

EDINBURGH TRAM NETWORK

DRAFT

Relationship to Contract Agreements

This protocol does not constitute a contractual agreement and does not change or affect the interpretation of contract between SDS and tie or the statutory obligations of CEC.

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Matthew Crosse
tie

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Steve Reynolds
SDS

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Duncan Fraser
CEC

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PROCUREMENT KEY DESIGN DELIVERABLE SCHEDULE

**Design Information Required pre Preferred Bidder
(For Phase 1a)**

<u>Info Update No</u>	<u>Description</u>	<u>Due Date</u>	<u>Comment</u>
1	Drawings reflecting interchange charette changes	Done	
1	12 Critical structures	21/3/07	Issued to tie
1	Wheel / Rail Interface report	Issued	Issued to tie - check
2	Environmental management plan	Issued	
2	Contaminated Land Plan	12/3/07	Issued to tie
2	Typical tramstop designs (within World Heritage area and outside World Heritage site) – generic designs	Issued	Issued to tie
2	Design Assurance Process	Complete	
	System Integration Plan (initial)	Issued with PD	Has this been issued to bidders ?
1	Archaeological surveys	Done	Gogar depot remaining
3	Indicative roads, pavings, landscaping and traffic measures – See description below for detail	7/5/07	
3	System Performance Validation Package <ul style="list-style-type: none"> o Run time model plus assumptions and constraints, and provide confirmation that the performance of the two Tram vehicles is within the run-time model assumptions. 	25/5/07	Provide Tram performance info to bidder
3	Ground Investigation for track route and depot	5/6/07	
3	Trackform and stray current requirements	11/6/07	
1	OLE <ul style="list-style-type: none"> o Dynamic simulation report 	16/3/07	Check issued
2	o Final Technical and Pantograph spec	27/4/07	
4	o Pole Schedule Loading Chart	29/6/07	
4	o Layouts	28/6/07	
4	o Final Building Fixings Schedule	13/7/07	
	TRO Plan / Strategy		By tie (K.Rimmer) - hold
4	S&CC systems performance specs	4/7/07	
3	System integration Plan – process's, update plan, interface matrix System Integration Spec's	11/6/7	Will be updated with evolving design

EDINBURGH TRAM NETWORK

DRAFT

4	Alignment drawings including MX modelling (PWay drawings)	19/7/07	
4	Indicative drainage for track and roads	19/7/07	To be agreed with SDS
4	Sub stations and power supplies information	23/07/07	
4	Utilities detailed designs and C4s	20/7/07	
5	Systems Interface Matrix	14/8/07	
5	Remaining structures (excl Balgreen Road Bridge)	9/8/07	
5	Final maintenance performance regime incl final RDA (Roads Demarcation Agreement)	30/7/07	Discuss with AR

Bidders

1. Operator led issues on system wide issues
2. MTTR and MTBF data for system elements and components (other than bidders prescribed /selected components)

By Others

1. Infraco TTRO Schedules

Information required pre Preferred Bidder should be to the standard that would be issued to tenderers to enable them to price the works with minimal risk allowances and contingencies

Requirements for indicative roads, pavings, landscaping and traffic requirements

Indicative information required setting out the likely requirements for this work. The scope to be defined is the extent of roads and pavings reinstatement and/or refinishing and the standard that this work is to be delivered to in each area of the route. This should also include landscaping and the physical work (kerb realignments, traffic light work and street furniture etc) required to deliver the Core Measures and if possible an indication of likely Wider Area measures work (where this is not defined on the drawings setting out the junctions work). The information needs to be on marked up general arrangement drawings with accompanying explanatory scope definition documents.

EDINBURGH TRAM NETWORK

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Design Information for Final Deal
(For Phase 1a)**

	<u>Due Date</u>	<u>Comment</u>
Any prior approvals and other approvals attained to date (issue approvals tracker)	n/a	Latest available to be issued with Final deal Information Pack
Final roads, pavings, landscaping and traffic measures	22/8/07	Is this date realistic – SDS to confirm
Core Measures and Wide Area traffic management works (work to signals, pavings and signage etc)	21/10/07	Is this date realistic – SDS to confirm
Approvals and consents (statutory and non statutory) status schedule, plus details of all approvals and consents obtained to the date of settling the Final Deal	n/a	Latest available to be issued with Final deal Information Pack
Planned Network Rail possession details		Tie to set
Other information updated from Preferred Bidder stage		Issue as becomes available but no later than the date for the Final Deal Package
Design assurance documentation including <ul style="list-style-type: none"> • CAT check certificates • HMRI letters of no objection • Tie/SDS assurance documentation • HMRI minutes • HAZOP data • Design risk profile (HAZOP, HAZIDS plans) 	Comp DD Comp DD	with emerging design with emerging design with emerging design
Design Verification Review 1A	9/8/07	
Design Verification Review 1B	26/9/07	
Design Verification Review 1C	24/10/07	
Design Verification Review 1D	27/9/07	
Design Verification Review 2A	4/7/07	
Design Verification Review 5A	5/11/07	
Design Verification Review 5B	15/8/07	
Design Verification Review 5C	3/8/07	
Design Verification Review 6	20/7/07	
Design Verification Review 7A	12/7/07	
Immunisation – EMC and EMI and survey work	1/10/07	
Final structures (Including – Balgreen Road)	29/10/07	
CDM pre tender H&S plan		TBC
Stage 2 safety audits (road safety audits)		With relevant elements of Detailed Design

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DRAFT

**Design Information to be provided for Due Diligence Phase
(For Phase 1a)**

Emerging Detailed Design		
<ul style="list-style-type: none">• Critical items• Remainder		
System integration Plan including matrix etc	3/12/07	
Details of how system assurance will be delivered	3/12/07	
Final System Performance Validation Package	3/12/07	
<ul style="list-style-type: none">• Run time model and associated• PWay drawings• Performance curves for tram• Assumptions and constraints• Power simulation model		

Note:- To be developed in discussion with Infracore bidders