
From: Chandler, Jason [ChandlerJ@pbworld.com]
Sent: 14 November 2006 19:30
To: Ailsa McGregor; Susan Clark; Alasdair Slessor; Andie Harper; Tom Hickman - TSS; Dolan, Alan; hulsed@pbworld.com
Cc: Jones, Carla; Kohler, Chuck; Dolan, Alan; Pluse, David; Hutchison, David
Subject: FW: ETN - Utilities Construction Sequence & Design Requirements

Susan,

On Friday we promised a progress report on the status of the development of the response for the stats programme dates.

Having reviewed the design progress and the areas that have been identified for early submission of SDS utilities design, the general response is that we feel that we will be able to meet the required dates on the schedule issued under cover of the e mail attached.

This is not to say that the detailed design for all disciplines will be complete, but sufficient design will have been done to sensibly produce a utilities design that can be assessed for residual risk. We will, as discussed, identify in the formal response tomorrow any of these residual risks that we already know that will be issued by the dates identified.

There are several areas where we will need support from tie and to work with tie to ensure that these timescales can be achieved. These areas will be more fully presented tomorrow but an initial summary is as follows;

- In all areas affected by the charette changes, timely decisions need to be given by **tie** and the necessary instructions issued to SDS to allow for related disciplines to be considered in the requirements for the utility diversion (track, road, etc.). A schedule of 'drop dead' dates will be derived to assist in this.
- The input required from the Utility Companies is not hindered by the late (or non) issue of statutory notices by tie, which provides commitment and funding to the Utility companies for them to carry out survey, planning, and associated activities during the design development stage.
- The agreement of the Utility companies needs to be reached for them to accept issues for approval broken down to the smaller sub-sections identified in the tie document 'ETN - Utilities Requirements, Draft - 1st Cut Dates with CEC'. Currently we are issuing on a complete Section-by-Section basis. Certain utility companies have already stated that they need to plan at a higher level in terms of subsequent cabling requirements and that dis-connections/reconnections need to be coordinated over a greater area than the immediate civils works. This will be exacerbated by the proposed phasing into smaller sections, with an increase in the number of temporary connections. This is predominantly an issue for all telecom' apparatus. The same may apply to certain mains utility providers.
- The dates shown indicate reduced approval periods for both **tie** and the Utility Companies approval procedures. These need to be agreed with all parties.
- **tie** will need to respond to the revised approval procedure in terms of reduced response times and the increased number of issues.
- Non-MUDFA works need to be re-programmed accordingly. This work, despite being carried out by others, needs to be coordinated with the MUDFA design and shown on the Construction Drawings.
- **tie** has proposed that they issue the Construction drawings at the same time as the issue to the Utility Companies for approval. In doing this we prefer the drawing status remains as 'Issued for External Approval' and NOT 'Issued for Construction'. Although we anticipate only minor amendments (if any) resulting from the Utility approvals process, any amendments will need to be incorporated into the drawings before we revise the drawing status and re-issue.
- Acknowledgement that the earlier issue for construction precludes the opportunity to accommodate late developments in the Infracore design. This is a managed risk but one that should not be overlooked.

I hope that this is of assistance and we will forward the complete response tomorrow.

Regards,

Jason

From: John McAloon - TSS [mailto:John.McAloon@tie.ltd.uk]
Sent: 13 November 2006 09:54
To: Jones, Carla; Chandler, Jason
Cc: Ailsa McGregor; Alasdair Slessor; Susan Clark; Andie Harper; Tom Hickman - TSS; Jim Cahill; Dolan, Alan; hulsed@pbworld.com
Subject: ETN - Utilities Construction Sequence & Design Requirements

All,

Please find attached spreadsheet which contains the MUDFA construction sequence and 'drop-dead' dates for the Issue For Construction drawings required to meet the proposed sequence.

Jason / Dave / Carla,

As agreed at SDS/tie Progress Meeting on 10th Nov 2006, I've included additional fields on the spreadsheet which should be populated by SDS;

1. Utilities Drawings Issued to SUCs
2. Utilities Drawings Issued for Construction
3. SDS Identified Risks
4. SDS Risk Mitigation Proposals

The revised issue dates for drawings should take account of the MUDFA sequencing, worksite breakdown, and dead-lines for issue and demonstrate a phased delivery which will assist all parties in their review / approval process.

Regards,

John McAloon - TSS
Project Planner

Edinburgh Trams Project
City Point
65 Haymarket Terrace
Edinburgh
EH12 5BH

Tel. No. [REDACTED]

E-mail : john.mcaloon@tie.ltd.uk

The information transmitted is intended only for the person to whom it is addressed and may contain confidential and/or privileged material. If you are not the intended recipient of this e-mail please notify the sender immediately at the email address above, and then delete it.

E-mails sent to and by our staff are monitored for operational and lawful business purposes including assessing compliance with our company rules and system performance. TIE reserves the right to monitor emails sent to or from addresses under its control.

No liability is accepted for any harm that may be caused to your systems or data by this e-mail. It is the recipient's responsibility to scan this e-mail and any attachments for computer viruses.

Senders and recipients of e-mail should be aware that under Scottish Freedom of Information legislation and the Data Protection legislation

these contents may have to be disclosed to third parties in response to a request.

tie Limited registered in Scotland No. SC230949. Registered office - City Chambers, High Street, Edinburgh, EH1 1YT.
