
From: Reynolds, Steve
Sent: 18 July 2007 09:11
To: Ennion, Bruce; Dolan, Alan
Cc: Chandler, Jason
Subject: RE: Structures VE

Thank you very much Bruce

Steve

Stephen C Reynolds
Director

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From: Ennion, Bruce
Sent: 18 July 2007 08:45
To: Reynolds, Steve; Dolan, Alan
Cc: Chandler, Jason
Subject: RE: Structures VE

Steve

You are copied in on the response from Michael Terrance - **tie** Senior Cost Manager - detailing the structure by structure costs from each Infraco bidder and the **tie** budget allocation . *See his Email timed at 18.24 on 17th July 2007.*

I understand Michael spoke with and sought the approval of Geoff Gilbert before releasing these costs hence Geoff was also copied in.

I believe the Structures VE Review is the responsibility of Walter McQueen as instructed by David Crawley on Friday last.

I will facilitate any meetings/discussions Walter may require to have with the structures designers.

Regards

Bruce

From: Reynolds, Steve
Sent: 16 July 2007 19:04
To: Ennion, Bruce; Dolan, Alan
Cc: Chandler, Jason
Subject: RE: Structures VE

I'd like to be in a position at the end of this to demonstrate the validity of our PD from June 2006. Do we have capex estimates by structure as envisaged at PD completion?

Steve

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From: Ennion, Bruce
Sent: 13 July 2007 14:03
To: Reynolds, Steve; Dolan, Alan
Subject: FW: Structures VE

Gents,

For your information.

I am in the process of producing a schedule of all structures and **tie** have asked me to identify their individual budget value to enable comparative cost savings to be made. Alan please!

I did point out that we (SDS) have not had sight of the Infraco bidders costs however the schedule is to be used by Walter McQueen as a crude starter yardstick in the first instance.

I understand Walter will be requiring discussions with the various 'designers' to gain background information as to how and why these structures have evolved from the original SDS thoughts, concepts and PD details..

Regards

Bruce

From: David Crawley [mailto:David.Crawley@tie.ltd.uk]
Sent: 13 July 2007 13:45
To: Jim McEwan
Cc: Ennion, Bruce; walter.mcqueen@scottwilson.com
Subject: Structures VE

Jim,

This is my report for Monday afternoon,

Walter McQueen from Scott Wilson will lead a programme which has the following elements:

1. A systematic review, structure by structure along the route, to determine the answers to the following:
 - Is the structure over-designed (according to the bidders)? If so, how much can be saved by right-sizing?
 - Is there a cheaper construction (steel for concrete)? And if so, how much of a saving is there taking into account such whole-life costs as additional maintenance?
 - Is there an option to draw back from features added subsequent to PD1 to improve the 'aesthetics', and if so how much of a saving will there be?
2. A schedule summarising the above and specifying, structure by structure, the likelihood in terms of engineering deliverability of achieving the identified savings.

Important points to note are:

- This programme of work must be completed by 28 August (preferably earlier) and the work programme and scope shaped to deliver confidently within this timeframe. This programme must be run as a separately identified workstream in order to focus effort. The outcome of this work is pivotally important.
- I expect that the review will make maximum use of the work already done by SDS which has covered a number of these features and in which they have significant expertise. Bruce Ennion is the SDS point of contact and he and I have already met Walter McQueen to initiate this work.
- An early estimate of likely savings to be identified is also important pending more detailed work to support the savings robustly.
- An important element of the programme will be stakeholder buy-in and Ian Spence from CEC must be involved amongst other stakeholders (Edinburgh Park). Lindsay Murphy will act as a point of contact to effect this.
- A weekly 'flash report' specifying progress and issued on Fridays is a requirement.
- Walter McQueen will attend the meeting on Mondays chaired by Jim McEwan which monitors progress on this and other VE work (and will bring the flash report with him). Bruce Ennion will attend on Monday 16 July 2007.

Deliverables

A first cut statement for item 2 above by Friday 27 July 2007. Other deliverables are dependent on the content of this report.

David Crawley

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