**FILE NOTE**

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Project Hull 2017, ‘Zephyr’/Nayan Kulkarni

Meeting 23rd June 2016

Location Hull 2017

Purpose Progress Meeting

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Present Chris Clay, Hull 2017 CC

 Andrew Knight, Hull 2017 AK

 Dave Smith, ALE DS

Nayan Kulkarni, NK Projects NK

Richard Bickers, ARUP RB

Rick Lee, ARUP RL

Hazel Colquhoun, Hull 2017 HC

Apologies Javet Hussein, ARUP

 Mike Milledge, Siemens

Circulation Finbarr Dowling, Siemens

 Darren Adams, ALE

 Sam Hunt, Hull 2017

 Hannah Williams Walton (Hull 2017)

File Note of meeting held on 9th June reviewed and agreed. Updates on the ‘Actions’ addressed within the meeting.

PROGRAMME

AK informed that ALE had advised (20.06.16) that due to the complexity of the route survey they would not be in a position to provide this information for today’s meeting. The key impact on ARUP’s programme would be that until such time as the survey was complete it would not be possible to finalise the cost plan (however draft cost plan will be ready for the 7th July).

DS (ALE) that they had now commissioned a 3rd party survey and that this would be undertaken during the night, over 5th – 7th July. They would then require two weeks to transfer all the information and would then be able to submit their report and costings on 25th July. DS suggested that as the work would be undertaken at night it would be prudent for Hull 2017 to advise the appropriate authorities as to what was being done. AK commented, in order to manage information until the Feasibility Study has been completed and Hull 2017 have committed to the project, it would be advisable to avoid referring to ‘artwork’.

**Action: CC to keep relevant police and HCC authorities informed regarding the route survey being undertaken at nighttime.**

**Action: ARUP to issue latest GA drawings for Queen Victoria Square and Beverley Gate to ALE**

RB confirmed that ARUP could accommodate the above changes, the effect would be to add one week to the Programme Rev A (issued 14.0616), – Final Report will now be issued 29th July. Agreed to schedule presentation of the Feasibility Study 1st, 2nd or 3rd August, date to accommodate attendance by Finbarr Dowling and Martin Green.

**Action: AK/CC to coordinate presentation of Feasibility Study – 1st, 2nd or 3rd August.**

RB advised that works in Queen Victoria Square were to be completed by 23rd December 2016 as per the contract programme. Progress will be reviewed on site at the end of August and it was expected that they would be 97% complete by the end of October. Some works, in the proximity of the City Hall, may impact on the contractor’s ability to full complete as per the programme, the overall situation will be clear by the end of August. Therefore, for the purposes of the Feasibility Study, it would be prudent for NK to consider providing another option for the orientation of the blade (a fall back option)– based on Route D.

**Action: NK to provide blade location/orientation** **‘option B’**.

Re; consultation with HCC planning Garry Taylor has advised that the Planning Manager has been given an outline briefing and understand that Hull 2017 will be looking to discuss the issue of consents with regard to this and other projects very shortly. The overall view is that we should seek to maintain an element of ‘surprise’ in the realisation of ‘Zephyr’, with the appropriate engagement of Siemens’ employees –particularly if the blade is made in Hull.

**Action: CC to schedule meeting with Alex Codd, HCC Planning Manager**

AALBORG VISIT

AK reported on the productive visit which he, NK & RL had undertaken with MM, to the Siemens plant in Aalborg. Detailed discussions had taken place with Erik Pindborg Christensen concerning the display of the blade and Steve Suggitt had hosted a tour of the plant – seeing the blades in the yard was a revelation as images and drawings do not adequately convey the sheer scale and majesty of a single blade in repose.

RL advised that some information to be provided as an outcome of the meeting in Aalborg was outstanding, including projected wind loads.

**Action: AK to follow up as a priority[[1]](#footnote-1)**

BLADE (ROOT & TIP) SUPPORTS

RL presented the sketch designs for the supports for the blade, root & tip, which had been issued prior to the meeting. The designs are now informed by a review of loading specifications for QVS and from seeing the methods of support employed when the blades are moved around the site and stored. It has been concluded that the weight of the blades can be satisfactorily spread through a constructed support, therefore foundations will not be required.

NK suggested that the tip support might be better developed as a pyramid structure (4 legs) rather than as a tripod, providing a more satisfactory connection with the spreader structure.

Suggested that in advance of installing in QVS Siemens yard could be used to test out the support structures.

**Action: RL, in collaboration with NK, to progress specification and design of the support structures.**

NEXT MEETING

The next meeting (and further Risk workshop) is scheduled for Thursday 7th July at 9. 00am (venue to be confirmed.

**Action: AK to confirm venue for meeting on Thursday 7th July.**

1. Information received from Siemens 24.06.16, direct communication RL-EPC now in place. [↑](#footnote-ref-1)