

7 days Traffic.

W. P. Bowles.
R. I.

J 2217

RLBC/M38

Rutherford Laboratory Building Committee.

Minutes of the meeting held in Mr. Bowles' Office on Monday, 5th February, 1962.

11/13

Present : Mr. P. Bowles - Chairman
Mr. G.W. Dixon
Mr. J.C. Louth
Mr. A. Miller
Mr. M. Snowden
Mr. G.N. Venn
Dr. J.A.V. Willis

In attendance : Mr. K.H. Choate
Dr. D.J. Flynn
Mr. A.H. Fryer
Mr. J.A. Goode
Mr. G.M. Harbert
Mr. D.A. Harrison
Dr. L.C.W. Hobbs
Mr. J. Johnson
Mr. J.B. Marsh
Mr. L.B. Mullett
Mr. J.A. Nott
Mr. G.E. Simmonds
Mr. G.T. Snaddon
Mr. A. Shackelford - Secretary

Action 1. Minutes of the last meeting - RLBC/M37.

The minutes of the previous meeting, held on 1st January, were accepted subject to the following correction :

Minute 11, Para 1, line 1, should read "Mr. Miller has issued an I.T.P. for £49,000 and approval has been received to increase this to £62,000".

2. Extensions to R.18 - RLBC/F75.

A plan was tabled showing a revised scheme to accommodate Industrial Chemistry Staff in a three bay extension to R.18, the scheme including lavatory accommodation which would also serve the existing building. The estimated cost of the scheme was given as £18,500.

Mr. Dixon The Chairman felt that this was too expensive for the facilities required and asked Mr. Dixon to produce an alternative scheme, based upon minimum requirements and standard finishes, which it was thought possible within an estimated cost of £7'per square foot.

The need for lavatory accommodation it to be re-considered.

3. Atlas Computer Building.

Dr. Howlett Dr. Howlett, who sent his apologies for his absence from this meeting, has prepared a paper for submission to the Atlas Computer Committee.

Mr. Choate Mr. Choate reported that his scheme is almost at project estimate stage and he foresees that estimate as falling within the figure quoted previously. He hopes to have the project estimate ready before the next meeting of the Atlas Computer Committee on 16th February, the estimate will be divided to quote the Computer Building and the Office Block separately.

The R.L. number for this project will be R.27.

4. Site Power Distribution - RLBC/P.77.

Mr. Simmonds presented this paper and explained that the scheme followed from his discussions with Mr. Louth, Mr. Hadley, Mr. Harbert and Mr. Marchbanks.

Schemes 1 to 5 require to go forward now, to back-up supply to Sub.12. and what may prove long term provision for the Parasitic Area and Experimental Area Extensions, for Beam Handling and the Helium Bubble Chamber.

The high cost of installing conductors to carry heavy current D.C. from the Converter House to the Experimental Area, has been considered very carefully against the value of space which would otherwise be occupied in the Experimental Area, by Transformers and Rectifiers if served by High Voltage A.C. and found to be justified.

Mr. Harbert pointed out that these schemes do not include the cost of cables to Rectifiers in R.4. since the location of these rectifiers is not yet defined. The estimate is based on costs prevailing at 1st February 1962.

Mr. Marsh said that the Maximum Demand on Sub 10 would be measured next week and if this indicates a need for reinforcement, then scheme 7 may need to go ahead with Schemes 1 to 5.

It was agreed to proceed to the ^{G.P.C.} ~~Project Committee~~ for authority to proceed with Schemes 1 to 5, and with Scheme 7 if this was shown to be necessary at this stage.

This scheme is additional to the scheme for E.H.T. supplies.

5. Road Construction - RLBC/P.76.

Mr. Simmonds presented this paper which describes advantages which would be achieved by applying tarmacadam or asphalt surfacing to site roads. The cost of this was quoted by Mr. Choate as 10/- per square yard.

Mr. Harrison The Chairman ruled that the extent of 'ponding' must be considered very carefully and the cost of remedial work required to avoid this must be accurately assessed and compared with the cost of surfacing, before a decision was made.

6. P.L.A. Extension.

Mr. Nott Both workshops have been handed over, but not the new crane in the old workshops, which is recorded as a 'reservation' due to excessive 'whip'. Occupation will commence next Monday 12.2.62 and the whole building including the stores will be occupied by 28.2.62. Roads will be complete by 15.3.62.

Mr. Nott All work should be complete within two months except the radio-chemical laboratories; of these, the single storey section is on programme, but the two storey section may be late; a firm date for this section will be quoted at the next meeting.

Mr. Choate Mr. Choate will re-check the anticipated final cost on the project. Mr. Harbery will be within his estimate for M & E services. No modifications have been called for which would alter cost.

*incl April
Est Aug ✓*

7. R.2 Extension.

Mr. Choate
Mr. Louth

A detailed breakdown of the estimate is not yet available for Mr. Louth. Mr. Harbert explained that tenders for his M & E Services were due in at the same time as the end of the 'pay pause' and he was uncertain as to the trend of costs which may result. Mr. Miller assured the meeting that any such increase could readily be justified to Treasury. The existing estimate includes £10,000 for Contractual C.V.C.

Increased costs are foreseen on the following grounds :-

- | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------|
| (a) Extra work on external services, found necessary since the services have been exposed | £3,500 |
| (b) Increased size of lift plant | £2,000 |
| (c) Claim by Contractor for an addition of 5% on all rates to cover for difficult working conditions, on congested, sloping site | £5,000 |

Mr. Choate

Mr. Choate assumes that there will be no claim from the Contractor due to working to five storeys although the rates were agreed on the basis of two storeys.

Mr. Miller

Mr. Miller will issue an increased I.T.P.

Mr. Louth

Mr. Louth has seen most of the drawings and is satisfied that the estimate covers requirements.

Mr. Nott

Clearance of the site is now going ahead and by starting immediately, the programme can be maintained up to ground floor slab level.

All Contractors huts will be kept within seven feet of the building perimeter.

8. Roads and Roundabout.

Mr. Choate

Mr. Johnson tabled a drawing showing a new treatment for the last boundary road, consisting of two lines of curbs set four feet apart, with gravel in filling, forming a continuous strip down each side of the road. This was debated in some detail, but the Chairman asked for an estimate to be prepared for setting a single line of double sided curb haunchings down each side of the road, so that the two schemes can be compared before a decision is reached.

Mr. Johnson tabled a second drawing showing the proposed roundabout at the junction of the east boundary road and Fermi Avenue, together with the future road to R.27. The estimate for this was £20,000. This was discussed extensively and alternative methods of traffic control at this junction were considered. An alternative outlet, by means of an extension of road 5, eastwards, would appear to be less expensive and may prove more satisfactory.

Mr. Bowles
Dr. Willis

Mr. Bowles and Dr. Willis will approach A.E.R.E. for their views on this issue, before reaching any decision.

9. Parasitic Area Extension.

There has been some misunderstanding on this scheme due to a late request for the cranes capacity to be increased from 15 tons to 17½ tons. Mr. Snowden explained that what he required was an estimate of the cost which would be involved in increasing the capacity of the crane and strengthening the building structure to suit; so that he can compare this with the cost and inconvenience of re-designing his equipment so that it could be broken down into components within the 15 ton limit.

Mr. Harbert

Mr. Harbert will clear this point with Mr. Hadley.

10. Experimental Area Extension.

It was agreed that the crane capacity in this building should be increased from 15 tons to $17\frac{1}{2}$ tons. All working drawings are to be considered and the estimate re-assessed before the job commences.

~~£175,000~~
£80,000
~~£110,000~~

11. Lecture Theatre.

Mr. Choate

A quick, preliminary estimate is required, within fourteen days.

12. Plant Store.

Mr. Goode
Mr. Snowden

The Chairman asked Mr. Goode and Mr. Snowden to consider the suitability of this building for its purpose and report on its 'value for money' as an example of a 'Packaged Deal' Contract.

13. Minor Works Orders.

Mr. Venn presented a statement of Minor Works Orders issued up to 26.1.62.

Mr. Miller has issued a further I.T.P. to cover Minor Works Orders.

14. Date of next meeting.

The next meeting will be held in Mr. Bowles' Office, Building R.1 on Monday 5th March at 9 a.m.

It was agreed, at this meeting, that future R.L.B.C. meetings shall be held on the first Monday of each month.

A. Shackleford.

Building R.1,
Rutherford Laboratory,
15th February, 1962.

P. Bowles, Esq.,
Chief Engineer,
Building R.l.,
N.I.R.N.S.

I am afraid I shall not be able to come to the Building Committee Meeting on 5th February, as I had already made another appointment in London before I heard of the change of date.

I don't think there is a great deal to say about the ATLAS project at this meeting, though Mr. Choate will no doubt have something to say from his point of view. My position is that I have written the paper for the ATLAS Committee, and it will be discussed at the meeting on 16th February. In the meantime Sir William Penney has been writing to the individual members of the Committee to ask their views on the question of approaching the Treasury for the extra money to cover the higher cost of the building.

J. Howlett

J. Howlett

31st January 1962

- (1) Cash of Temp. Office Block, given us saving of £9,000.
- (2) General Cash of Job.