

ITEM 17

MANAGER'S REPORT NO. 66

COUNCIL MEETING Sept. 4/73

17. Re: Burrard Inlet

Council on July 23, 1973 requested further information regarding off-shore dredgable material in Burrard Inlet to which reference was made in the N.D. Lea report on land reclamation and access for the Burrard Inlet shore development.

Engineers from N.D. Lea and Associates were asked to provide an estimate of the engineering costs involved in determining the amount and type of off-shore dredgable material available in Burrard Inlet in connection with the proposed land reclamation. As a result, we have received the attached reply from N.D. Lea & Associates dated August 28, 1973 which provides an estimated cost of \$5,000 to \$7,000 to drill bore holes and evaluate the results. As noted in the letter, this cost is quite high.

The Consulting Engineers emphasize that existing information indicates a low probability of finding dredgable material of the desired quality and quantity in the study area. The Municipal Engineer therefore recommends against any proposal to explore for dredgable material, but suggests that we adopt the lower cost staged development using free landfill as it becomes available should the land reclamation alternative proceed along Burrard Inlet.

RECOMMENDATIONS:

THAT costs not be incurred for the purpose of determining the amount and type of off-shore dredgable material available in Burrard Inlet in connection with the proposed land reclamation; and

THAT the lower cost staged development using free landfill as it becomes available be adopted if the land reclamation alternative proceeds along Burrard Inlet.

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N. D. Lea & Associates Ltd.
TRANSPORTATION ENGINEERS

Norman D. Lea, S.M.
J. A. C. Andrews, B.Sc.

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Ref. 8113.01

August 28, 1973

RECEIVED IN
ENGINEERING DEPT.

AUG 29 1973

Mr. E.E. Olson,
The Corporation of the
District of Burnaby,
Municipal Hall,
4949 Canada Way,
Burnaby 2, B.C.

Attention: Mr. A. Phillips

Dear Sir,

Re: Burrard Inlet Land Reclamation Study,
Design #730036

This is further to your letter dated July 31, 1973 which as you know, we only received a copy of on August 23, 1973. The estimated cost of ascertaining the quantity and quality of offshore dredgable material in the study area is quite high as follows:

- a) Mobilization of drilling equipment and raft to the site: \$500.00.
- b) Bore holes established in 30 ft. water plus 15 ft. depth, first at 1,200 ft. distance (about 10 holes) and after promising results at 600 ft. distance: \$2,000. to \$4,000.
- c) Soil Consultant: Supervision of drilling and preparation of drill logs: \$1,500.
- d) Evaluation of the results, estimates and report: \$1,000.

Total Costs: \$5,000. to \$7,000.

We feel we have to emphasize that according to the information available to us at present, there is a low probability of finding dredgable material of the desired quantity and quality in the study area which could be dredged at an economic cost.

Yours very truly,
N.D. LEA & ASSOCIATES LTD.,

P. Tusnady
P. Tusnady, P. Eng.
PT/ab