

RE: PROPOSED PURCHASE OF A NEW 300 MB DISK DRIVE AND 128 K BYTES
ADD-ON CORE MEMORY FOR THE ENGINEERING MAPPING COMPUTER

Following is a report from the Municipal Engineer on the proposed purchase of equipment for the Mapping Computer.

RECOMMENDATION:

1. THAT the recommendation of the Municipal Engineer be adopted.

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TO: MUNICIPAL MANAGER 80 06 30
FROM: MUNICIPAL ENGINEER
SUBJECT: PURCHASE OF NEW 300 MB DISK DRIVE AND 128 K BYTES
ADD-ON CORE MEMORY FOR ENGINEERING MAPPING COMPUTER

RECOMMENDATION:

1. THAT the Corporation of Burnaby issue a purchase order to Synercom Technology Canada Inc. for the supply of one 300 Mega Byte Disk Drive with controller, three 300 Mega Byte Disk Packs; and one 128 K Bytes Add-On Core Memory for an aggregate purchase price including taxes of approximately \$81,800.

REPORT

By the latter part of 1978 the Engineering Department had almost two years experience with the computerized mapping system and were able to project that the original 80 Mega Byte Disk Drive would not be sufficient to serve the needs of all the user Departments and other outside Agencies such as B.C. Hydro and B.C. Tel.

Based on these projections a budget item was approved for added disk storage in the 1979 Capital Improvement Budget. However during the course of receiving quotations it became apparent that our 1979 budget appropriation was not adequate to cover the cost of the new 300 Mega Byte Disk Drive with controller and other necessary appurtenances which this Department has concluded is the best long-term and most cost beneficial solution to the limited storage problem. In conjunction with installing the larger disk drive it was recommended that we also at this time expand the core memory capabilities which further increased the cost of this equipment upgrading. Accordingly the 1980 Capital Improvement Budget reflects additional funding to a combined total of \$81,800.

The Engineering Department, incidentally, exhaustively explored the possibility of receiving quotations from more than one supplier; a firm known as Tracan Electronics Western Ltd. of West Vancouver appeared to be at one time a viable second supplier. A thorough analysis, however, disclosed that extensive modifications to our system would have been required for the Tracan proposal to the extent that the total cost would have been higher than for the Synercom proposal while at the same time raising a strong likelihood of causing a very substantial degradation of the system response time and performance. It should be stated that Synercom was the original supplier of the entire mapping computer system.

This matter has been reviewed over an extended period of time and subsequently approved by the Computer Advisory Committee based on the demonstrated need to accommodate all the user Departments and Agencies.

VNW/ch


MUNICIPAL ENGINEER

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c.c. () Municipal Treasurer