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AEC 483/24

COPY NO. <u>15</u>

ATOMIC ENERGY COMMISSION

COLLECTION 6326 51-5 GAMMA-NEUTRON EXPERIMENT AT IVY

BOX No. 182 (NN3-321-93-010)

Note by the Secretary

FOLDER MLA 7 Juy, 12

The D_1^V vision of Military Application has submitted for the information of the Commission the following data concerning the helium-filled box for gamma-neutron experiments at IVY:

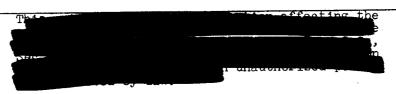
"The General Manager of Holmes & Narver Company, Inc., in Los Angeles, reports the following estimates on the cost of this box:

Inital Estimate, Box Initial Estimate, Metal Roof	\$693,125 80,450
Total Initial Estimate	\$773,575
His guess as to actual final cost of box Cost of helium, 4 fillings Cost of shipping helium and returning empty cylinders	\$650,000 35,000
Probable cost of box and	\$835,000

"To this must be added cost of balloons and lead collimators, not now known, to get final total cost. These two items may be of the order of \$10,000 - \$15,000.

"It is interesting to note here that the original proposition from the laboratory was to perform this same function by using coaxial cable buried at the required depth in the causeway.

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The causeway as built in its present form cost approximately \$1,000,000. The additional cost of doing this experiment this second way was estimated as follows:

Causeways built up to 30', 20', & 10' \$1,000,000 (including concrete conduits and man-

holes)
9000' Coaxial Cable @ \$10.00 per ft.

90,000

Total

\$1,090,000

"This was rejected and the helium filled box was chosen as being the less expensive of the two." $\,$

ROY B. SNAPP

Secretary