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35  
1,500,000 gross 70%

1750000  
140 9 September 1966

15,750,000  
2,000,000 Adm. - A.E. etcs

45,000,000  
50  
37,500,000

RECOMMENDATIONS

1. Establish the Building Planning Group and direct all necessary planning and action on a priority basis for the construction of a special purpose (technology) building of approximately [redacted] <sup>net</sup> square feet at Langley. Direct that the site plans for the technology building be developed within the framework of an overall "Master Plan" for Langley providing for such additional buildings, roadways, parking areas and other facilities as may be required to collocate all departmental facilities at Langley at some future date. If desirable, a maximum cost figure--on the order of \$17,500,000--may be established for the proposed new building which can be completed in about 4 years from the date the additional planning and action is directed.

2. Defer action on plans for any construction at Langley in addition to that provided for in para 1 above.

3. Direct a priority study by all major users of special purpose space which may require alteration or possible relocation within the next decade to determine the economics and feasibility of:

- a. Construction of new special purpose space suited to future needs with completion in about 1970, or, 1971
- b. Alterations and/or expansion of existing special purpose space in present location.

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4. On the basis of the studies directed in 3 above, select for housing in the technical building such of the following activities which may be most economically and properly relocated to meet future requirements:

- a. The Computer Center and related offices of OCS.
- b. The Signal Center and its related functions.
- c. Telephone frame room and related space.
- d. Technical Services Division.
- e. Office of Training.
- f. Minor elements of other offices required for support of the new building or which further study may indicate as desirable for transfer to the special purpose building.

5. Upon completion of the technology building, release all Agency space at Glebe Road, 2430 E Street, N. W., and Arlington Towers.

REASONS SUPPORTING RECOMMENDATIONS:

1. The justification for the technology building is not based on increased personnel, but rather on technical especially <sup>Configured</sup> space needed to stay abreast with modern technology. Much of this need could not be foreseen when present building was planned and constructed. Thus, justification to outside officials, including committees of Congress should be facilitated.

2. There will be no population increase at Langley. Total personnel from TSD (2430 E Street), OTR (Glebe Road) and other outside locations is less than the number moving to Rosslyn into the fourth building. Thus, there will be no impact on McLean community and, hopefully, no problem with the

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**Committee on Federal Buildings in the National Capital area.**

3. If new space is not provided, very expensive alterations will be required to existing space (already overcrowded and unsuited to future needs). Alterations costs equal cost of new construction of same type of space in some cases.

a. About \$1,000,000 involved in alterations of 2430 E Street for TSD needs and we now have been notified that Department of State needs this area. Hopefully, we can hold on until 1970, but State's needs are expanding. The alternative to building the technology building is to rent commercial type space for TSD and undertake very expensive alterations which later must be taken out to restore the building to its original condition. This is a makeshift arrangement, unsatisfactory to all concerned.

b. OCS has already requested more than 100% expansion of special purpose type space to house all computer and related data processing equipment. Implementation of the 3rd generation of such equipment, now underway, requires interface between computer facilities and advanced communication equipment. Thus, special needs for air conditioning, shielding, physical security and back-up facilities as well as common supply items can best be accomplished in new space especially designed for that purpose. This will be most difficult and expensive to accomplish by alterations and expansion in existing areas.

c. The equipment in the Telephone Frame Room will be obsolete in the next decade. It would be most economical to install the new

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equipment in a new Langley location (requiring about double the present space) and cut-over to the new system. Thereafter, the existing facilities can be converted to office space.

d. The Signal Center is overcrowded and some of the equipment needs to be replaced with more modern machines. The Director of Communications estimates that by the 1970's space for the Signal Center must be doubled and that the equipment will be so complex and expensive as to make relocation after that period "virtually unthinkable". As in the case of the Computer Center, time is a vital factor in determining the extent of alterations and changes required. It will be difficult to defer until 1970 many of the improvements becoming available, but given a target for completion of new facilities, interim plans can be adjusted accordingly.

25X9 e. OTR is split in three--soon to be four--locations in rather expensive space unsuited to its needs. By the mid 70's OTR will need some [REDACTED] additional square feet--mostly classrooms--to meet expanded training needs. OTR requires especially configured space with movable partitions--high ceilings, extra air conditioning, projector booths and similar facilities which may be less expensive than that needed for TSD, OCS and Signal Center, but none of the commercial type space is satisfactory.

f. Other Agency units such as the Machine Division of OCR, the Map Library of OBI and functions to be identified by further study can best be housed in special purpose space, making present space available for office use.

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4. In addition to most economical solution of our special purpose space problems, the proposed technology building will increase overall efficiency and achieve long range economy of operation. Retaining the advantage of the modern computer, communication and other technical devices is vital to Agency operations provision is made for special purpose space needs for the entire 1970 decade so as to ameliorate future problems involving such highly expensive space. Agency activities will be concentrated at Langley, Rosslyn and at NPIC; thus, in transit time and costs can be reduced. The rented office type space at Rosslyn has some flexibility to adjust to variations in the total size of the Agency.

5. A single building can be designed and constructed in less time than would be required to meet all our needs at Langley. Timing becomes very critical in meeting the early needs for technical space (OCS, TSD, Signal Center) if we are to avoid very expensive alterations and expansion in place (where space is not available). The following is a tight timetable:

a. September 1966--Building Planning Group. Firm up functions to go in technology annex--develop preliminary costs estimates--about 6 months.

b. February/March 1967. Outside contacts with BOB and GSA (if not allowed earlier)--firm up costs estimates--seek approval of GSA and Committee--seek approval of BOB and Congressional Committees for authority and appropriation for A&E work--space directive covering in detail exact space needs, enclosures, configuration and preliminary master plan for area.

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c. Early 1968. A&E firm develops designs and drawings for technology building and any related facilities.

d. Late 1968 and early 1969. Seek approval of BOB and Congressional Committees for construction funds. Hopefully, construction can start in late 1969. About 18 months will be required for construction.