

OFFICE OF THE SECRETARY

April 4, 1966

MEMORANDUM FOR THE DIRECTOR OF DEFENSE RESEARCH & ENGINEERING

SUBJECT: Eastman Kodak Corporation Facilities for MOL

The optical subsystem development for MOL, which is under contract to the Eastman Kodak Corporation, will require the construction and/or acquisition of the facilities listed in the attachment to this memorandum. In accordance with DOD Directive 4275.5, the proposed industrial facilities are hereby submitted for your review and approval.

The listing in the attachment categorizes the required items under the headings of "Facilities" and "Support Equipment". The latter category includes some items of special test equipment, and special tooling of such a nature and size that the usual definition of severability may be in question. We therefore consider it appropriate to submit a listing of these items along with the "brick and mortar" and other items which fall more clearly in the category of Facilities. The Facilities items total an estimated cost of \$13,014,000, while the Support Equipment items total \$16,019,000.

These facilities would be unique to the very large scale optics required for MOL and would not be of the type which the contractor might construct for either his commercial business or his other DOD business.

Because of the security requirements, it is essential that neither the contractor nor these particular facilities be identified with the MOL program, nor do we wish to highlight even an unidentified DOD program of large magnitude in optics of this size. To this end, the contractor has conducted all his negotiations with the local authorities (zoning, water, sewer, etc.) on the basis that these facilities were to be built by the company.

It is proposed to cover the facilities under a classified contract to be built by the contractor on his own land. The contract will provide the government with the option to acquire this land at cost, along with the facilities (at no cost), in the event of termination or completion of the contract. It will also provide

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to the contractor the first option to purchase the facilities in the event that the government does not elect to acquire the land and facilities.

There is a need to obtain approval to proceed with the contract for the construction of these facilities as soon as possible since they will pace the MOL optical system development which in turn paces the MOL program. In addition, the weather in Rochester requires that certain construction operations be completed before the winter, if construction is to be effectively continued through the winter. Planning and preliminary design studies have now been carried to the point where the makeup and cost of the required facilities are reasonably well defined. Funding will be provided within the approved FY 66 and FY 67 program for the facilities requirements described herein.

It is requested that you authorize the Air Force to proceed with the required facilities contracts with the Eastman Kodak Corporation as soon as possible in order to maintain an MOL schedule compatible with the camera system development schedule.

Alexander H. Flax

Alexander H. Flax
Director
National Reconnaissance Office

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Requirements

Facilities:

Land Preparation	\$60,000
Buildings	8,923,000
Machinery and Equipment	3,352,000
Material Handling and Automotive Equipment	136,000
Machinery and Installation Costs	<u>543,000</u>
Total	13,014,000

Fiscal Year Funding:

1966	4,400,000
1967	8,614,000

Support Equipment:

Chamber A (Thermal Vacuum)	\$5,350,000
Chamber B (Thermal)	826,000
Chamber C (Thermal)	377,000
Chamber D (SSPI)	99,000
Chamber E	30,000
Two Plano Mirror Test Chambers	2,184,000
Two Complete Optical Assembly Test Chambers	1,400,000
Two Primary Mirror Test Towers	2,630,000
Two Unevacuated Primary Test Towers	380,000
Five Vertical Assembly Stands	565,000
Experimental Vacuum Optical Test Facility	169,000
Optical Aids	325,000
Dynamic Simulator	803,000
86" Electroplater	250,000
Manufacturing Aids	284,000
Test Aids	<u>347,000</u>
Sub-total, Long-lead Support Equipment	16,019,000

Fiscal Year Funding:

1966	3,200,000
1967	12,819,000

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