

**CONFIDENTIAL**

*FILE 98734*

November 10, 1965

[Redacted]

25X1A

Contracting Officer

Subject: Contract [Redacted]

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Gentlemen:

Enclosed are three (3) copies of the Monthly Status Report for subject Contract, covering the period from October 1, 1965 through October 31, 1965.

If there are any questions concerning the report, please contact the undersigned.

Very truly yours,

[Redacted]

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Contract Administration

Enclosures: 3 as stated

Declass Review by NIMA / DoD

GROUP-1

EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

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TO: Customer

FROM: [REDACTED]

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SUBJECT: Monthly Contract Status Report No. 4. Design and Development of Advanced Light Tables  
1 October to 31 October, 1965

1. Objective:

The purpose of this project is to design and develop three Advanced Light Tables for photo interpretation use.

2. Summary of Work Performed During the Reporting Period:

Major engineering problems solved during the reporting period have consisted of a suitable microscope movement for Tables # 2 & 3 and the basic design of the tracking light source positioning mechanism and source adjustment mechanism. Considerable time has been spent in checking and revising drawings on Tables # 2 & 3 in addition to final engineering checking of Table # 1 prior to fabrication. The customer's representative visited the [REDACTED] plant on 25 October 1965 to review the design to date. Two design problems were discussed:

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(1) The Amount of overhang on Table # 3 with the tracking light source positioning movement installed is 3 3/4" beyond the rear of the base casting.

(2) The film hold-down bars on Table # 2 & 3 interfere with the microscope carriage when in the raised position.

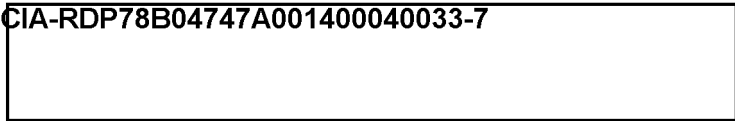
The customer's representative stated that the 3 3/4" overhang on Table # 3 was permissible. The customer's representative also recommended a tentative solution to the hold-down bar problem. The solution recommended was to add a microswitch on the X-X carriage rails. When the microscope movement trips the microswitch on either end of Table # 2 & 3, the hold-down bars will be automatically depressed and the clutches de-energized allowing for no film transport during this period. This fix is suitable but a much better method of film hold-down would be to adapt a hold-down plate, either electrically or mechanically activated, to the microscope carriage. This addition is beyond the scope of this project.

3. Work Schedule Conformance:

A revised work schedule was spelled out in the September progress report. It is still anticipated that this delivery schedule can be met. All efforts are being directed toward meeting this schedule by [REDACTED]. It is possible that sub contracts on the castings and microscope micrometer movements may cause delay but this is not known yet.

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Monthly Contract Status Report (Cont'd)

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**4. Analysis of Work Program Covering the Reporting Period:**

Considerable progress has been made during the reporting period in solving the two major engineering problems existing on the project:

- 1) Finding a suitable micrometer microscope movement
- 2) Designing a suitable tracking light source and positioning mechanism

Solutions to the above problems have been determined and detail design is under way. Engineering checking of detail drawings is progressing.

**5. Changes in Key Personnel:**

No changes have been made in key personnel during the reporting period.



**6. Trips, Meetings and Special Conferences:**

The customers representative visited the [redacted] plant on 25 October 1965. During this visit, several design problems previously mentioned were resolved.

**7. Plans for the Next Reporting Period:**

Engineering design checking will be completed on Table # 1 and parts submitted to the shop for fabrication. It is anticipated that a contract will be let to [redacted] sometime in the latter part of November for the purchase of two micrometer microscope movements. Engineering checking and changes will be completed on Light Table # 2 by 25 November at which time parts will be sent to the shop for fabrication. Detail design will start on the tracking light source and its attendant transport and positioning mechanism by 10 November 1965.