

JSD
997326

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[Redacted]

[Redacted]

In Reply Refer To: T3774-0046
9965-3302

11 August 1966

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[Redacted]
Post Office Box 8031
Southwest Station
Washington, D.C. 20024

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- Reference: 1) [Redacted] Letter T3410-66-24 dated
24 January 1966
- 2) [Redacted] Report 65-184, Advanced Rear
Projection Viewer dated December 1965
- 3) Your document, "Additional Specifications
To Be Included In The Development Of An
Advanced Rear Projection Viewer"
- 4) [Redacted] Letter T3410-66-135 dated
14 April 1966

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Enclosure: [Redacted] Report 65-184, Amendment to Advanced
Rear Projection Viewer, July 1966
(3 copies)

Gentlemen:

Subject: Request For Proposal No. RD-12-66
"Advanced Rear Projection Viewer"

The reference 1) letter stated that [Redacted] would be willing to negotiate a fixed price contract upon agreement of mutually acceptable specific performance requirements for the subject Rear Projection Viewer. As a result of the meeting of 7 April 1966, essential agreement has been reached on these requirements. Further development of the Rear Projection Viewer that [Redacted] is producing for the Strategic Air Command has brought us to the point where we can now offer this program on a fixed price basis.

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References 2) through 4) and the enclosure constitute a complete statement of the performance specifications of the Viewer. [Redacted]
[Redacted] price for this equipment is [Redacted]

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This proposed price is based upon amortization of estimated development costs over ten units. [Redacted] will accumulate these costs in a separately identifiable pool. The unit price of subsequent units (up to a total of ten) will be determined based on their pro-rata share of these development costs.

References 2) through 4) and the enclosure present the technical approach, equipment description, performance and delivery schedule proposed for the successful accomplishment of the program. These documents are an integral part of [Redacted] offer and are incorporated herein by reference.

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[Redacted] proposal is based on the following assumptions and conditions:

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1. Acceptance testing will be based upon the performance specifications. [Redacted] will prepare an Acceptance Test Procedure as part of this program and submit it for customer approval prior to testing.
2. Delivery shall be F.O.B. destination.
3. Quality of the equipment shall be best commercial practice.
4. Other mutually acceptable terms and conditions based upon the Armed Services Procurement Regulations, including Progress Payments.
5. Go-ahead by no later than 30 September 1966.
6. [Redacted] reserves the right to revise this proposal at any time up to the time of negotiation.

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We appreciate the opportunity to submit this proposal and look forward to participating in the program. If additional information is required, please contact [Redacted]

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[Redacted]

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Very truly yours,

[Redacted Signature]

Manager of Marketing

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AWB:gc

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cc: [Redacted]



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AMENDMENT TO

ADVANCED REAR PROJECTION VIEWER

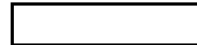
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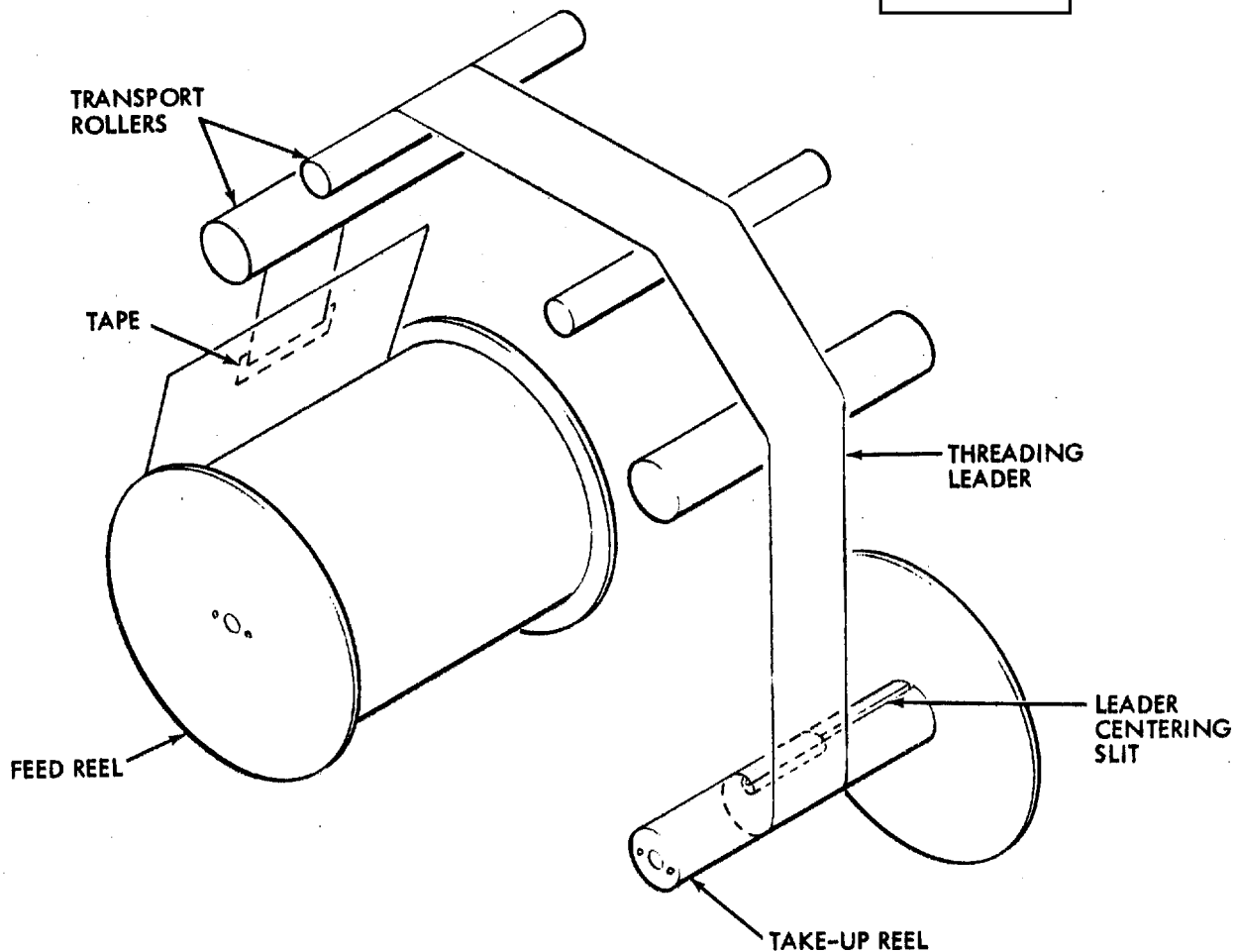
FILM THREADING DEVICE

A device to facilitate film threading in the Screening Viewer will consist of a clear Mylar film leader and a specially constructed, single flange take-up reel (see illustration).

NOTE: FILM TRANSPORT STRUCTURE OMITTED FOR CLARITY. REFER TO FIGURE 3-12.



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FILM THREADING LEADER DEVICE

In operation, the leader will be attached with tape to the start of film on the feed reel, and the film is then wound on the take-up reel during the screening process. Since the width of film that may be used in screening is infinitely variable from 70 mm to 9 1/2 inches, the width of the leader will be that of the narrowest film (70 mm). The operator will be able to position the leader on the take-up reel so that the leader is approximately centered on the film, thus preventing a tapered cylinder effect.

The single flange take-up reel concept is in constant use by the motion picture industry, where up to 3000 feet of 35-mm film is wound at speeds of 600 feet per minute without adverse effects. The only prerequisite for this type of operation is good alignment of the take-up reel core in respect to film motion.

The threading device will be interchangeable with the AF Standard 51C17848 spool, which will allow the operator to use the Screening Viewer in a conventional reel-to-reel mode.

The leader will consist of a 48-inch long, 70-mm wide, 0.003- to 0.005-inch thick clear Mylar film and a cylindrical clamp. One end will terminate in a split cylinder which will clamp the Mylar strip and serve as an anchor inside the take-up reel hub. The other end of the leader will be attached to the film supply with tape.

The take-up reel will consist of a 2-inch diameter hub, 9 1/2 inches long, with a 10 1/2-inch diameter flange at one end. The hub will be made with a slit to allow the leader to be moved in or out until it lies flat against the guide rollers.

MENSURATION

The mensuration system for the Advanced Rear Projection Viewer will enable the operator to measure film distances (along the film) in 1-mm increments over a distance of 40 inches or more.

The system will consist of a metering roller, a rotary photoelectric pulser, and an electronic counter indicator mounted on a control panel. The metering roller is one of the film guide rollers on the transport.

The system will be provided in lieu of the footage counter.

DETAILED DESCRIPTION

Metering Roller

The low inertia roller will provide input for the photoelectric pulser, with its circumference being equal to 120 mm (1.5 diameter, approximate).

Photoelectric Pulser

The direction sensitive pulser will be directly driven by the metering roller shaft. Each revolution will provide 120 signal pulses for the electronic counter.

Electronic Counter Indicator

The up-down counter will consist of electronic components which accept the pulses from the rotary pulser and indicate the accumulated count on a 5-digit and sign (PLUS or MINUS) display. A pushbutton zero-reset will be located on the control panel.