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16 October 1964

MEMORANDUM FOR: Chief, Special Projects Staff

SUBJECT: Weekly Status Report No. 4
on Project FULCRUM1. Camera System

a. ITEK - Mr. Morser was contacted today and asked about the status of some of the ITEK "milestones". The film tradeoff study (Type 4404 vs. the faster film) has been completed and will be discussed at the next meeting, tentatively scheduled for 22 October. Also to be discussed then will be the environmental lab and optical facilities requirements. The Schmidt plate has been "set up", but grinding will not start until next week. Mr. Lilley is preparing a revised "deliverables" list for the work statement, as agreed at the last meeting, and will send it to Mr. MacDonald with a copy to us next week. More complete task flow charts are under preparation and will be sent as they are completed.

b. P.E. - Mr. Rosenau visited Project headquarters on 13 October to discuss the technical and fiscal aspects of their revised Phase I work. It was decided to remove from the FULCRUM tasking the auto-focus and reimaging optics aspects and have ORD pick these up. The remaining tasks are to be performed within \$465,000. Final contract negotiations and choice of the optical configuration will be completed at the 19 October meeting at P.E.

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Excluded from automatic
downgrading and
declassification

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c. STL - Discussions are being held at STL today on revising the cost estimate (\$500,000) downward and arriving at a satisfactory work statement. Decision was to perform both the continuous and intermittent film transport studies, but not to have a working feasibility model of either system by 1 February 1965. Revised cost estimate is now around \$230,000.

2. Spacecraft

Written responses to STL's technical questions were transmitted to all spacecraft competitors on 14 October, and a revision to these answers went out today. Money available for continued Phase I design for the winner of the spacecraft competition is now \$225,000 instead of the original \$300,000. Responses are due next Thursday.

3. Recovery Systems

Response date remains 2 November.

4. Systems Engineering

Discussions are being held at STL today to pick an STL project manager. It was agreed that John Franks would head the analysis side of the effort under the project manager. The contract for \$401,641 has been received and reflects the broadening of the work statement. A draft of this work statement was discussed at the NRO ExCom meeting on 6 October and a copy of the draft was sent to Mr. Vance on 9 October.

5. Interface Aspects

Attached is a copy of the anticipated funding as of 16 October.

Attachment

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Distribution:

- Cy 1 - Addressee
- 2 - Crowley *2/10/64*
- 3 - (File)
- 4 - SPS Chrono
- 5 - Routing (McMahon, Dirks, Scott)
- 6 - Chrono
- 7-8- DDS&T Registry

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Project FULCRUM Funding

<u>TASK</u>	<u>CONTRACTOR</u>	<u>DATE BEGUN</u>	<u>AMOUNT</u>
Camera System	ITEK	1 July 1964	\$3,330,000
Camera System (Alt)	P-E	1 July 1964	482,000
Intermittent Film Trans	STL	8 Sept 1964	230,000
S/C Competition	(GE	10 Sept 1964	63,000
	(LMSC	10 Sept 1964	62,000
	(STL	10 Sept 1964	60,000
R/V Competition	(GE	21 Sept 1964	64,000
	(AVCO	21 Sept 1964	59,000
Systems Engineering	STL	25 Sept 1964	400,000
S/C Phase I Design	(WINNER)	Nov 1964	225,000
R/V Phase I Design	(WINNER)	Nov 1964	225,000
FILM (Type 4404)	-	-	<u>150,000</u>
			\$5,350,000

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