

LCXQA130BAA462
 PP RUXQAA
 DE RUXQBA 731 0232231
 ZNY XXXXX KKK ZNM
 P 232230Z
 BT
 XXXXX
 GUARD 702, ANGLO 340
 GUARD PASS WHIG, WAHOO
 ANGLO PASS ETHER

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CONTROL SYSTEM DISTRIBUTION

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HEXAGON

DELIVER BY 0800, 24 JAN 75.

WHIG FOR COL WHEELER, WAHOO FOR LC TAYLOR, INFO ETHER FOR

, FROM MAJ GEN BRADBURN/COL ANDERSON/LC HOFMANN.

SUBJECT: HEXAGON MAPPING ESTIMATES FOR OPTION 4.

REF: A. WHIG 0098

B. WHIG 0102

1. OPTION 4, BOTH CASE A AND CASE B, WILL REQUIRE SUSTAINING MANPOWER AT ITEK, GE, AND LMSC. BOTH CASES WILL REQUIRE SOME FAIRLY EXTENSIVE REFURBISHMENT AND RETEST WITH THE FOREBODIES AND PYROS OF THE RECOVERY VEHICLE BEING MOST CRITICAL. THE BULK OF THE

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REQUIRED DELTA COSTS (DELTA IS ESTIMATED WITH THE STRETCHED SCHEDULE AS BASELINE) IS TO SUSTAIN MANPOWER FOR ESSENTIALLY TWO YEARS. THE ESTIMATES ARE RESULTS OF IN-HOUSE ANALYSIS USING THE SCHEDULE EXTENSION PROPOSALS AS BASIS FOR THE EXERCISE. THE DELTA BETWEEN CASE A AND CASE B OF OPTION 4 IS VIRTUALLY INDISCERNIBLE, THEREFORE, THE ESTIMATE BELOW SHOULD BE CONSTRUED AS BEING APPLICABLE TO EITHER CASE A OR CASE B.

2. THE DELTA COSTS REQUIRED TO PROVIDE TWO RECOVERY VEHICLES ON MISSION 1217 AND 1218 VICE ON 1210 AND 1212 OR 1211 AND 1212 WOULD BE PRINCIPALLY BASED ON SUSTAINING ENGINEERING SUPPORT IN THE TIME FRAME FROM 1979 TO 1981. THE ESTIMATE FOR THIS EFFORT IS \$2.4M.

3. THE SUSTAINED INTEGRATION AND TEST CAPABILITIES AT LMSC IN SUPPORT OF MAPPING CAMERA SYSTEMS ON MISSIONS 1217 AND 1218 IS ESSENTIALLY THE SAME AS IF TWO NEW UNITS WERE PROVIDED VICE MOVING UNITS FROM 1210 AND 1212 OR 1211 AND 1212. THE ESTIMATE FOR THIS SUSTAINED EFFORT IS \$1.1M.

4. THE MOVEMENT OF MAPPING CAMERA SYSTEMS PER CASE A OR CASE B TO MISSIONS 1217 AND 1218 WILL REQUIRE ITEK TO EXTEND THEIR FACTORY AND FIELD SUPPORT ACTIVITIES BY TWO YEARS. THE DELTA COSTS WOULD ALL BE ESSENTIALLY RELATED TO THIS SUSTAINING EFFORT. THE ESTIMATE

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FOR EITHER CASE IS THE SAME AND IS APPROXIMATELY \$8.0M.
5. RECAPING, THE ESTIMATED DELTA COSTS FOR CASE A OR CASE B OF
OPTION 4 ARE ESSENTIALLY THE SAME. TOTAL ESTIMATE FOR OPTION 4 IS
\$11.5M.

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