

addition to a smaller program, significant elements of FY 1968 projects, such as Launch Complex 39 contract settlements, do not require design. Consequently, FY 1967 FP&D requirements have been reduced from \$2.0 million to the present estimate of \$813,000. However, the requirements for planning and design funds by OART and OSSA have increased correspondingly. It is estimated that about \$1.25 million of the \$3 million requested for FY 1968 will be utilized for facility planning and design in support of Manned Space Flight requirements.

Question. Have there been any work stoppages or strikes at any of the Manned Space Flight Centers during Fiscal Year 1967 and, if so, where and what duration? What has been the impact, if any, of such labor problems?

Answer. Information concerning work stoppages and strikes is maintained by calendar year. During Calendar Year 1966 a total of 36,276 man days were lost due to work stoppages. In 1965, 72,288 man-days of work were lost. This reflects a significant improvement in the labor relations area. The following tabulation shows location and duration of work stoppages:

<i>Lost man-days—Calendar Year 1966</i>	
KSC -----	20, 139
MSC -----	4, 283
MSFC -----	450
MAF -----	0
MTF -----	11, 053
WSTF -----	351
Various locations -----	0
Total -----	36, 276

The improvement of 1966 over 1965 is due primarily to a program of preventive labor relations initiated by NASA. This program provides for detailed anticipatory planning on the part of NASA to avoid or work out labor problems before they reach the critical stage. The success of the program may be determined by an analysis of lost man days at the Kennedy Space Center. While this location had the highest number of lost man days during 1965 and 1966, it is significant to note that no work stoppages have occurred at this Center since September 8, 1966.

During Calendar Year 1966 there has been no impact on launch or test schedules resulting from work stoppages.

Question. What types of maintenance services are currently contracted out by the Manned Space Flight Centers? What is the value of such contracts by center for Fiscal Year 1967, and what is the estimate for Fiscal Year 1968?

Answer. The following is a listing of the types of maintenance services currently contracted for by the Manned Space Flight Centers:

Engineering in Support of Maintenance Activities
Maintenance and Repair of Buildings, Structures, and Equipment
Maintenance of Roads and Grounds
Custodial Services
Maintenance of Utility Systems
Fire Protection

The estimated contractual value for Fiscal Year 1967 and Fiscal Year 1968 is as follows:

Center	Fiscal year 1967	Fiscal year 1968
Kennedy Space Center	\$13, 908, 000	\$17, 586, 000
Manned Spacecraft Center	9, 484, 000	10, 125, 000
Marshall Space Flight Center	3, 179, 000	3, 300, 000
Michoud Assembly Facility	4, 512, 000	4, 213, 000
Mississippi Test Facility	4, 100, 000	4, 300, 000
White Sands Test Facility	2, 304, 000	2, 385, 000

Question. During last year's hearings NASA estimated that it would spend about \$3,147,000 of Administrative Operations funds for minor construction and modification during FY 1966 and about \$3.5 million for similar work during FY