

the older MSF installations, where such devices were not originally provided in the utility systems, analysis of cost studies has led to the installation of these devices with attendant cost savings.

Question. What is the estimate, by field center, for the FY 1968 cost of maintaining the NASA manned space flight field centers? What is the breakout by R&D and AO funds? How many personnel, by center, are involved in the maintenance function?

Answer. The estimate for maintaining the NASA Manned Space Flight Center Facilities during FY 1968 is:

Kennedy Space Center.....	\$25,661,000
Manned Spacecraft Center.....	12,495,000
Marshall Space Flight Center.....	11,532,000
Michoud Assembly Facility.....	8,746,000
Mississippi Test Facility.....	5,320,000
White Sands Test Facility.....	2,500,000
Total	66,254,000

The breakout by R&D and AO funds is:

R&D Funding.....	\$21,524,000
AO Funding.....	44,730,000

The number of Civil Service and contractor personnel involved in maintenance functions is as follows:

Kennedy Space Center.....	1,647
Manned Spacecraft Center.....	857
Marshall Space Flight Center.....	641
Michoud Assembly Facility.....	261
Mississippi Test Facility.....	342
White Sands Test Facility.....	91

KENNEDY SPACE CENTER

Project: Launch Complex 39

Question. The FY 1967 NASA estimate of final runout costs on this launch complex was given at \$475 million. How much of the \$16.66 million request is for new construction as contrasted to modifications and alterations? Does this amount when added to the \$473 million of prior year funds approximate the FY 1967 runout cost estimate? Is it anticipated that any further funds will be requested for new construction in the Launch Complex 39 area? Does NASA have any estimate for annual repair, rehabilitation and modernization costs?

Answer. Of the \$16.6 million contained in this request, the following items are considered as new construction:

Launch Umbilical Tower Refurbishment Area.....	\$482,000
Gaseous Helium Storage.....	678,000
Photo Support System.....	900,000
Instrumentation	830,000
Total	2,890,000

Currently we do not anticipate a requirement for major new construction in the Launch Complex 39 to meet the currently planned operational capability. It is estimated that approximately \$10 million of CofF funds will be required on a yearly basis for rehabilitation and modernization of the complex.

Question. What is the specific basis that NASA used in estimating the funds required for contract settlement? How much has been paid in contract settlements to date on the work at Launch Complex 39? Is some of the money required for settlement of new claims as contrasted to settlement of appeals from contractors on unilateral settlements by NASA? If so, what portions are estimated for each category? Is the estimate in the FY 1968 request considered adequate to cover all present and potential claims under the contracts for work on Launch Complex 39? Furnish a few typical examples of cases where there were differences in interpretation of specifications, and project delays.

Answer. In estimating the funds required for the settlement of claims, a factor was applied against the contractors request as set forth in his original