

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
SUPPORTING DATA FOR FISCAL YEAR 1999 AMENDED BUDGET ESTIMATES
RESEARCH, DEVELOPMENT, TEST AND EVALUATION
DESCRIPTIVE SUMMARIES



FEBRUARY 1998

VOLUME III

19980316 055

UNCLASSIFIED

DTIC QUALITY INSPECTED 3

DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited

TABLE OF CONTENTS

| Title | Page Number |
|-------------------------------------|-------------|
| FY1999 Combating Terrorism Data | 1 |
| FY 1999 RDT&E Facility Project Data | 2 |

Combating Terrorism Exhibit

| All CT Functions | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 | FY 01 | FY 02 | FY 03 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Research, Development, Test and Evaluation | 9.2 | 3.1 | 4.6 | 3.0 | 3.0 | 3.1 | 0.5 | 0.5 |
| Budget Activity: 5 - Engineering and Manufacturing Development PE: 64617F - Air Base Operability | 8.9 | 2.8 | 1.3 | 2.5 | 2.6 | 2.6 | 0.0 | 0.0 |
| Budget Activity: 7 - Operational System Development PE: 35128F - Security/Investigative Activities | 0.3 | 0.3 | 3.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |



| Physical Security Equipment | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 | FY 01 | FY 02 | FY 03 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Research, Development, Test and Evaluation | 8.9 | 2.8 | 1.3 | 2.5 | 2.6 | 2.6 | 0.0 | 0.0 |
| Budget Activity: 5 - Engineering and Manufacturing Development PE: 64617F - Air Base Operability | 8.9 | 2.8 | 1.3 | 2.5 | 2.6 | 2.6 | 0.0 | 0.0 |



| Security and Investigative Matters | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 | FY 01 | FY 02 | FY 03 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Research, Development, Test and Evaluation | 0.3 | 0.3 | 3.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Budget Activity: 7 - Operational System Development PE: 35128F - Security/Investigative Activities | 0.3 | 0.3 | 3.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS AIR FORCE MATERIEL COMMAND
WRIGHT-PATTERSON AIR FORCE BASE OHIO

MEMORANDUM FOR SAF/FMBIA

20 Jan 98

FROM: HQ AFMC/CEP
4225 Logistics Avenue, Suite 7
Wright-Patterson AFB OH 45433-5745

SUBJECT: Joint SAF/FM, SAF/AQ, and AF/IL FY99 President's Budget (PB) Investment Call
(Your Memo, 23 Dec 97)

1. In response to the above investment call, we are submitting the following RDT&E construction program for the FY99 PB:

| <u>FY</u> | <u>Project #</u> | <u>Title</u> | <u>PE</u> | <u>(\$000)</u> | <u>Remarks</u> |
|-----------|------------------|--------------------|-----------|----------------|-------------------------|
| 99 | | Minor Construction | 6.58.07F | 1,052.9 | Arnold and Edwards AFBs |

Each of the projects has been reviewed and meet the RDT&E funding criteria as outlined in AFI 65-601. These RDT&E (Appn 3600) Minor Construction requirements are line item listed on the attached DD Form 1391s by Program Element (PE) and by base.

2. At the time of this submission, the contracting method of the Evolved Expendable Launch Vehicle (EELV) had changed. Per the phone conversation with our Mr. Louis Zvakos (HQ AFMC/CEPD) and your Maj Delane Aguilar (SAF/FMBIM) it was determined that no DD Form 1391s would be required for the EELV program.

3. This is a coordinated HQ AFMC/CEP/DOR/DRS/FMT/FMA and AFRL/DSR/XPP memo. HQ AFMC/FMT has verified that the referenced program elements contain sufficient resources to cover these RDT&E construction requirements. Our point of contact for this effort is Maj Tom Adams, HQ AFMC/CEPD, DSN 787-2262.

// signed //

RALPH F. DANIELS
Chief, Programs Division
Directorate of the Command Civil Engineer

Attachment:
DD Form 1391s, Misc Minor Construction (2)

cc:
HQ USAF/ILEC
HQ AFMC/FMT/DRS/DOR

| | | | | | | | | |
|--|--|--|-----------------------------------|--|---|----------|-----------|--------------|
| 1. COMPONENT AIR FORCE (AFMC) | | FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | | | |
| 3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE | | | | 4. PROJECT TITLE Minor Construction < \$500,000 | | | | |
| 5. PROGRAM ELEMENT 65807F | | 6. CATEGORY CODE Multi | 7. PROJECT NUMBER Multi | | 8. PROJECT COST (\$000) 557.4 | | | |
| 9. COST ESTIMATES | | | | | | | | |
| ITEM | | | | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| Minor Construction using RDT&E funds for FY1999: | | | | | | | | |
| ANZY960128 Add Shop Area to Bldg 936 | | | | | LS | | | 305.3 |
| ANZY990037 Construct SL1 and DIC Bldg | | | | | LS | | | <u>252.1</u> |
| Total FY1999 Minor Construction | | | | | | | | 557.4 |
| Design (Unfunded) | | | | | | | | (35.0) |
| 10. DESCRIPTION OF PROPOSED WORK: Add shop area to Bldg 936 (Propulsion Tech Diagnostic Lab Bldg) and construct SL1 and DIC bldg. | | | | | | | | |
| 11. REQUIREMENT: As required. | | | | | | | | |
| PROJECT: Multiple Construction projects as described above | | | | | | | | |
| REQUIREMENT: Construction to correct existing deficiencies identified in Commander's Facility Assessment. Deficiencies are located in the Propulsion Diagnostics Facility and adjacent to the T9 test facility. | | | | | | | | |
| CURRENT SITUATION: The existing space available is insufficient to meet mission requirements. | | | | | | | | |
| IMPACT IF NOT PROVIDED: Current facilities will continue to be inadequate to meet mission requirements of each of the testing activities. | | | | | | | | |

| | | | | | | |
|--|--|--|--|-----------|---|--|
| 1. COMPONENT AIR FORCE (AFMC) | | FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA | | | 4. PROJECT TITLE Minor Construction < \$500,000 | | | |
| 5. PROGRAM ELEMENT 65807F | | 6. CATEGORY CODE 211-183 | 7. PROJECT NUMBER FSPM992502 | | 8. PROJECT COST (\$000) 495.5 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| MC Outdoor Aerodynamic Research Facility (OARF) Pad 17 | | SF | 8,000 | | | |
| Supporting Facilities | | | | | 423.0 | |
| Utilities | | LS | | | (141.0) | |
| Pavements | | LS | | | (141.0) | |
| Site Improvements | | LS | | | (141.0) | |
| Subtotal | | | | | 423.0 | |
| Contingency (10%) | | | | | <u>42.3</u> | |
| Total Contract Cost | | | | | 465.3 | |
| Supervision, Inspection, and Overhead | | | | | <u>30.2</u> | |
| Total Funded Cost | | | | | 495.5 | |
| <p>10. DESCRIPTION OF PROPOSED WORK: Unspecified Minor Construction (13.15.4). Construct a stand for the Outdoor Aerodynamic Research Facility (OARF) at Pad 17. Reinforce concrete, provide utilities to support remote electrical, fueling, and monitoring while test vehicle is on a raised stand. The test stand structure will be procured from NASA AMES at Moffett Field, CA.</p> | | | | | | |
| <p>11. REQUIREMENT: As required.</p> <p>PROJECT: Construct OARF stand at Pad 17</p> <p>REQUIREMENT: Construct a test stand capable of hoisting a test vehicle up to 50' above ground, with a capacity of 60 tons. A new control cab made of concrete masonry units to be placed near the pad. Concrete pad must be reinforced to withstand the weight and thrust of multiple test vehicles with no restrictions. A remotely operated system will monitor the system supplying fuel, electrical, and computer modeling information as testing progresses.</p> <p>CURRENT SITUATION: An OARF stand exists at NASA AMES that is not being used. The stand could be transferred to Pad 17, where Dryden Flight Research Facility (DFRF), NASA or Joint Strike Fighter Task Force could utilize the facility in testing the new composite vehicles.</p> <p>IMPACT IF NOT PROVIDED: Costs incurred in research and development will continue to rise. Benefits of knowledge gained from a multi-dimensional thrust exhaust nozzle could reduce costs following information gained utilizing the OARF stand at Pad 17.</p> | | | | | | |