DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE: 21 Mar 1955

INSTALLATION

NAME: Fort Huachuca

LOCATION (County or Counties and State, Territory, or Country): Cochise County, Arizona

INSTALLATION FACTUAL DATA

NEAREST CITY OR TOWN: DISTANCE AND DIRECTION: 43 miles NW of Bisbee

STATUS OF INSTALLATION: [X] PERMANENT [ ] TEMPORARY

DATE INITIALLY OCCUPIED BY ARMY (Year): 1881

PRINCIPAL MISSION (Current and Projected): Fields of electronic warfare, battlefield surveillance, Signal Corps aviation, meteorology & related activities; perform necessary technical & engrg tests & evaluation of communication & electronic systems & equipment; conduct operational research, experiments & field tests; formulate doctrine, techniques & new concepts of Signal organizational elements required, and provide specialized individual & unit training.

AREA, SIZE, OR CAPACITY

UNITS	Acres	U.S. Right of Possession	4,495
GOV'T OWNED	34,259	TOTAL	49,295
State Owned	10,541		

PERSONNEL STRENGTH	OFFICERS	EM	CIVILIAN	TOTAL
PRESENT (Date 30 Nov 54)	437	5,841	1,004	7,282
PERMANENT	720	4,895	1,004	6,619
INTERIM				
MOBILIZATION				
WORLD WAR II PEAK				

PROJECTS

LINE ITEM NO.	BUDGET ACCOUNT NO.	CATEGORY CODE NO.	PROJECT TITLE	PRIOR UNUSED AUTHORIZATION	PROPOSED NEW AUTHORIZATION	PROPOSED APPROPRIATION
A614-17	6011	08.1	450 Family Quarters * PL 765/83	$ 2,399,000*	$ 3,320,000	$ 6,219,000 ~~2,513,000~~ ~~8,812,000~~

ENG FORM 1 MAY 53 68a PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

A11206

USF200000647

DEPARTMENT OF THE ARMY

CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE: 21 Mar 55

INSTALLATION: Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
450 Family Quarters	17	6011	08.1

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$2,899,000 (PL 765/83rd)	$ 3,320,000	$ 0	$ 6,219,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A. [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B [ ] REPLACEMENT

3. [X] STANDARD PLANS
   - [ ] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES (Individual Unit)

WIDTH _____ LENGTH _____

NO. STORIES _____ CAPACITY 1 family

GROSS AREA see A5 GROSS CUBE _____

OTHER (Specify) _____

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Funding prior authorization:

142 NCO - max size 1,080 SF, av cost $12,075	- $1,715,000
56 Co Grade - max size 1,250 SF, av cost $14,680	- 822,000
2 Fld Grade - max size 1,670 SF, av cost $19,650	- 39,000
Site preparation, utilities, etc	- 203,000
Total	$2,779,000

Funding new authorization:

192 NCO - max size 1,080 SF, av cost $12,075	- $2,318,000
58 Co Grade - max size 1,250 SF, av cost $14,680	- 852,000
Total	$3,170,000

B. BASIS OF NEED (Unit of Measure: Fam Qtrs)

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	1,578	0		1,578
B. INTERIM OPERATION (In addition to 1A)		0	0	0
C. MOBILIZATION OPERATION (In addition to 1A and 1B)		0	0	0
2. UNITS TO BE RETAINED (Existing or financed)	65	392	0	457
3. UNITS PROVIDED BY THIS PROJECT.	450	0	0	450

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~MOBILIZATION~~:
   - A. QUANTITY LS
   - B. UNIT _____
   - C. UNIT COST _____ $ 5,949,000
2. COLLATERAL EQUIPMENT (MCA) (By Procuring Service)
   - A. Sig 135,000
   - B. QM 135,000
   - C. _____
   - D. _____ $ - 270,000

TOTAL COST ESTIMATE $ 6,219,000

D. FACTOR USED TO COMPUTE REQUIREMENT

AR 415-31

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

This is an item in the approved CONUS family housing program for FY 1956, justified on one or more of the following basis: (1) replacements for sub-standard public quarters; (2) meet shortages in a critical housing area; (3) provide housing for personnel whose needs cannot be met by Wherry or other private rental housing; and (4) provide housing for personnel required to live on station by reason of military necessity.

24 - C1 - 4/15/55

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

A11207

USF2000000648

DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE 21 Mar 1955

INSTALLATION

NAME: Fort Huachuca

LOCATION (County or Counties and State, Territory, or Country): Cochise County, Arizona

INSTALLATION FACTUAL DATA

NEAREST CITY OR TOWN: DISTANCE AND DIRECTION: 43 miles NW of Bisbee

STATUS OF INSTALLATION: [X] PERMANENT [ ] TEMPORARY

DATE INITIALLY OCCUPIED BY ARMY (Year): 1881

PRINCIPAL MISSION (Current and Projected): Fields of electronic warfare, battlefield surveillance, Signal Corps aviation, meteorology and related activities; perform necessary technical and engineering tests and evaluation of communication and electronic systems and equipment; conduct operational research, experiments and field tests; formulate doctrine, techniques and new concepts of Signal organizational elements required, and provide specialized individual and unit training.

AREA, SIZE, OR CAPACITY: U.S. Rights of Possession

UNITS: Acres — U.S. Rights of Possession: 4,495

GOV'T OWNED: 34,259 — TOTAL: 42,295

State Owned: 10,541

PERSONNEL STRENGTH	OFFICERS	EM	CIVILIAN	TOTAL
PRESENT (Date 30 Nov 54	437	5,841	1,004	7,282
PERMANENT	720	4,895	1,004	6,519
INTERIM				
MOBILIZATION				
WORLD WAR II PEAK				

PROJECTS

LINE ITEM NO.	BUDGET ACCOUNT NO.	CATEGORY CODE NO.	PROJECT TITLE	PRIOR UNUSED AUTHORIZATION	PROPOSED NEW AUTHORIZATION	PROPOSED APPROPRIATION
				$	$	$
A614-23	6013	12.0	Control Tower (55'), 800 SF		100,000	100,000
-10	6013	11.2	Hangar (Roto Wing), 35,626 SF		631,000	631,000
-18	6013	12.0	Operations Bldg, 2,758 SF		49,000	49,000
-19	6013	03.0	Addn to Concrete Apron, 17,544 SY		137,000	137,000
-20	6013	06.1	Fire & Rescue Bldg, 2,070 SF		34,000	34,000
-21	6013	89.1	Extension of Utilities		180,000	180,000
-22	6013	75.0	4 Aircraft Fuel Stge Tanks, 60,000 gal		64,000	64,000
-11	6013	74.4	Warehouse (12,200 SF) w/1,500 LF RR Spur		133,000	133,000
-1	6013	06.2	Field House w/Swimming Pool, 48,462 SF		935,000	935,000
-45	6013	17.4	Bachelor Officer Quarters, 60-man		330,000	330,000
			Total		2,593,000	2,593,000

94 - C1 - 6/30/55

1328

A11206

ENG FORM 1 MAY 53 68a PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USF200000649

DEPARTMENT OF THE ARMY

CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 55	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO
Control Tower	23	6013	12.0

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 100,000	$ 0	$ 100,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A. [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B [X] REPLACEMENT

3. [ ] STANDARD PLANS
   SPECIAL DESIGN
   DRAWING NO AF86-06-06

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*
   WIDTH ____ LENGTH ____
   NO. STORIES ____ CAPACITY ____
   GROSS AREA 800 SF GROSS CUBE ____
   OTHER *(Specify)* 55' high

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Standard AF open leg, trestle type control tower, steel frame with upper 3 floors enclosed. Control, equipment, junction, and generator rooms on ground floor. Cab hexagonal in shape, enclosed with double glass. Steel stairs and platforms. Concrete roof. Acoustic tile in cab, rubber tile floor and base.

B. BASIS OF NEED *(Unit of Measure: SF)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	800	0		800
B. INTERIM OPERATION *(In addition to 1A)*		0	0	0
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	0	0	0	0
3. UNITS PROVIDED BY THIS PROJECT.	800	0	0	800

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~OR REAL ESTATE ACQUISITION~~:
   A. QUANTITY LS
   B. UNIT
   C. UNIT COST $ 100,000
2. COLLATERAL EQUIPMENT *(MCA)* *(By Procuring Service)*
   A. Sig ($100,000)
   B.
   C.
   D. $ 0
   TOTAL COST ESTIMATE 100,000

D. FACTOR USED TO COMPUTE REQUIREMENT height above hangar, quantities of navigational aid and communication facilities, safety requirement.

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

Control tower is a primary factor in flight safety for flying operations at an airfield. Planned volume of traffic, 200-300 flights in and out daily, will represent the third largest traffic load of any army airfield. As scheduled commercial air carrier operations have been requested, safety and efficiency of air traffic control operation at this installation affects the general public as well as DOD aircraft. Tower required to insure safe flight conditions and to provide adequate space for test and evaluation of ground navigational and communications facilities used by army aircraft. Types of equipment to be installed include radio, automatic direction finders, remote control equipment for navigational and landing aids and emergency power supply. Existing facilities consist of one inadequate 25' tower of temporary type wood construction, non-fireproof, built in 1952, and not weatherproof with only 50 SF. No provision exists for soundproofing, heating, installation of remote controls or emergency power supply and will accommodate only 2 operating personnel and 2 radio sets. Visibility is reduced 25% by type of window construction. Existing tower will be salvaged.

USF20000650

1 TO ARMFIELD. 3/21/55

DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 55	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
Hangar (Roto Wing)	10	6013	11.2

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 631,000	$ 0	$ 631,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [x] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A.
   - [x] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B
   - [ ] REPLACEMENT

3.
   - [x] STANDARD PLANS
   - [ ] SPECIAL DESIGN

DRAWING NO. 39-01-64

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*
   - WIDTH _____ LENGTH _____
   - NO. STORIES 1 CAPACITY _____
   - GROSS AREA 35,626 SF GROSS CUBE _____
   - OTHER *(Specify)* 30' clearance

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Steel frame, concrete block and metal exterior walls, concrete footings, foundation walls and floor slabs, sliding steel hangar doors, gas-fired heating, monorail crane.

Building, 35,626 SF @ $17.00 - $606,000
Utilities, incl Roads, Walks, etc. - 24,000
Total $630,000

B. BASIS OF NEED *(Unit of Measure: SF)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	48,000	6,000		54,000
B. INTERIM OPERATION *(In addition to 1A)*		0	5,632	5,632
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	0	6,000	5,632	11,632
3. UNITS PROVIDED BY THIS PROJECT.	35,626	0	0	35,626

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [x] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~OR REAL ESTATE ACQUISITION~~
   - A. QUANTITY LS
   - B. UNIT _____
   - C. UNIT COST _____ $ 630,000
2. COLLATERAL EQUIPMENT *(MCA)* *(By Procuring Service)*
   - A. Sig 1,000
   - B. Engr (9,000)
   - C. _____
   - D. _____ $ 1,000

TOTAL COST ESTIMATE $ 631,000

D. FACTOR USED TO COMPUTE REQUIREMENT

AR 415-31 modified for special mission

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

Reactivation of this installation with a new mission has created the need for the proposed facility to service approximately 21 helicopters assigned for experimental work. The helicopters vary in size, up to and including H-16. Present facilities, consisting of an emergency type frame hangar (64' x 88') and a metal hangar (60' x 100') do not have sufficient opening height to accommodate the various helicopters. Existing hangars will be retained for fixed wing aircraft maintenance. Shop space required to service, maintain and repair rotor, controls, heads, transmissions and engines.

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

A 11207

USF200000651

TO AIRFIELD. 3/21/55

DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 1955	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
Operations Building	18	6013	12.0

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 49,000	$ 0	$ 49,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A.
   - [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B
   - [X] REPLACEMENT

3.
   - [X] STANDARD PLANS (M)
   - [ ] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*

WIDTH	Irreg	LENGTH	Irreg
NO. STORIES	1	CAPACITY	
GROSS AREA	2,758 SF	GROSS CUBE	
OTHER *(Specify)*			

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Concrete block exterior walls, concrete footings, foundations and floor slabs, concrete floors with asphalt and ceramic tile, insulated concrete fill roof on steel decking, open ceilings, gas-fired duct heating system, air cooling in weather room.

Building, 2,758 SF @ $14.00	- $39,000
Utilities, incl Roads, Walks, etc.	- 8,000
Total	$47,000

B. BASIS OF NEED *(Unit of Measure: SF)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	2,758	0		2,758
B. INTERIM OPERATION *(In addition to 1A)*		0	0	0
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	0	0	0	0
3. UNITS PROVIDED BY THIS PROJECT.	2,758	0	0	2,758

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~OR REAL ESTATE ACQUISITION~~
   - A. QUANTITY LS
   - B. UNIT
   - C. UNIT COST $ 47,000
2. COLLATERAL EQUIPMENT *(MCA)* *(By Procuring Service)*
   - A. Sig 2,000
   - B.
   - C.
   - D. $ 2,000

TOTAL COST ESTIMATE $ 49,000

D. FACTOR USED TO COMPUTE REQUIREMENT

AR 415-31

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

Project required to provide necessary space for airfield flight operations. Existing 1,200 SF modified-emergency type building provides space for only one teletype machine (requirement is for 4) and does not include parachute storage, weather briefing area, supply storage, map room and pilot ready room. In addition to the foregoing, proposed facility will include flight operations dispatch office, flight records office, weather station and other offices required for an operation involving 55 fixed and rotary wing aircraft and approximately 200 personnel including Operation Division of the Aviation and Meteorological Department, AEPG,* general reserve units and a 6th Army field maintenance unit. Upon completion of proposed facility, existing building will be salvaged. The number of planned flights in and out, daily, is 200 to 300.

*(Army Electronics Proving Ground)

USF200000652

DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 May 1955	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
Addition to Concrete Apron	19	6013	03.0

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 137,000	$ 0	$ 137,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A.
   - [ ] NEW FACILITY
   - [X] ADDITION
   - [ ] ALTERATION

2B
   - [ ] REPLACEMENT

3.
   - [ ] STANDARD PLANS
   - [X] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*
   WIDTH 200' LENGTH 755'
   NO. STORIES _____ CAPACITY _____
   GROSS AREA 17,544 SY GROSS CUBE _____
   OTHER *(Specify)* w/hangar ramps 90'x60'&112'x60'

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

10" concrete apron with tie downs 30' on center, to withstand impact of 25,000 lbs wheel load.

B. BASIS OF NEED *(Unit of Measure: SY)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	30,877	0		30,877
B. INTERIM OPERATION *(In addition to 1A)*		0	0	0
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	13,333	0	0	13,333
3. UNITS PROVIDED BY THIS PROJECT.	17,544	0	0	17,544

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~OR REAL ESTATE ACQUISITION~~
   A. QUANTITY 17,544
   B. UNIT SY
   C. UNIT COST $7.80 $ 137,000
2. COLLATERAL EQUIPMENT *(MCA)*
   (By Procuring Service)
   A. _____
   B. _____
   C. _____
   D. _____ $ _____
   TOTAL COST ESTIMATE $ 137,000

D. FACTOR USED TO COMPUTE REQUIREMENT

55 aircraft

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

Project required to increase capacity of parking space from 14 to 55 aircraft. 55 fixed and rotary wing aircraft will be based on this installation as the result of the new mission assigned upon reactivation of the post. 88,000 SF is required for parking (55 planes @ 1,600 SF); 10% of 88,000 SF (8,800 SF) required for transient planes; 16,800 SF necessary for entrance to hangars, and 170,089 SF required for aisles, taxi and turning, total 283,689 SF or 31,521 SY. The existing apron will park 14 planes.

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

A 11207

USF200000653

DEPARTMENT OF THE ARMY

CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 1955	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO
Fire and Rescue Bldg.	20	6013	06.1

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 34,000	$ 0	$ 34,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A. [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B [ ] REPLACEMENT

3. [X] STANDARD PLANS
   - [ ] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*

WIDTH Irreg LENGTH Irreg
NO. STORIES 1 CAPACITY 2-stall
GROSS AREA 2,070 SF GROSS CUBE
OTHER *(Specify)*

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

This building will house one fire truck and one ambulance, plus 958 SF of storage, office and living quarters for crew of six. Concrete block walls, footings, floors w/asphalt tile in quarters and ceramic tile in lavatories. Insulated concrete fill roof on steel decking. Gas-fired heating system.

Building, 2,070 SF @ $14.00	- $29,000
Utilities, incl roads, walks, etc.	- 5,000
Total	$34,000

B. BASIS OF NEED *(Unit of Measure: SF)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	2,070	0		2,070
B. INTERIM OPERATION *(In addition to 1A)*		0	0	0
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	0	0	0	0
3. UNITS PROVIDED BY THIS PROJECT.	2,070	0	0	2,070

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~[illegible]~~
   - A. QUANTITY LS
   - B. UNIT
   - C. UNIT COST $ 34,000
2. COLLATERAL EQUIPMENT *(MCA)* *(By Procuring Service)*
   - A.
   - B.
   - C.
   - D. $
   - TOTAL COST ESTIMATE $ 34,000

D. FACTOR USED TO COMPUTE REQUIREMENT

AR 415-31

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

No fire and rescue facilities are available for the airfield at present. The planned number of flights in and out daily is 200 to 300. It is essential that these facilities be provided at the airfield where 55 aircraft, including fixed and rotary wing types, will be based by January 1956. Flight test operations of new and untried electronic equipment, installed in various types of aircraft will be conducted. Project required to house equipment needed for safety of aircraft take-off and landing operations. Nearest equipment is four minutes from the airfield and must be called for take-off and landing of all large aircraft thus decreasing fire protection of the installation. There is no building in the vicinity of the airfield which could be used for this purpose.

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

A 11207

USF20000654

DEPARTMENT OF THE ARMY

CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 1955	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
Extension of Utilities	21	6013	89.1

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 180,000	$ 0	$ 180,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [ ] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A.
   - [x] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B
   - [ ] REPLACEMENT

3.
   - [ ] STANDARD PLANS
   - [x] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*
   WIDTH ___ LENGTH ___
   NO. STORIES ___ CAPACITY ___
   GROSS AREA ___ GROSS CUBE ___
   OTHER *(Specify)* ___

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

10" Sewer Lines incl. 27 manholes, 10,500 LF @ $7.65	$80,400
10" Water Line W/5 hydrants, 6,700 LF @ $9.05	60,600
2½" Gas Line, 6,700 LF @ $3.70	24,800
13.2 KV Electric Line, 6,600 LF @ $2.15	14,200
Total	$180,000

B. BASIS OF NEED *(Unit of Measure: NA)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION				
B. INTERIM OPERATION *(In addition to 1A)*				
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*				
2. UNITS TO BE RETAINED *(Existing or financed)*				
3. UNITS PROVIDED BY THIS PROJECT.	LS	0	0	LS

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [ ] NO
(If YES, which projects)

Line items 10, 11, 18, 20 and 23

C. COST ESTIMATE

1. CONSTRUCTION ~~OR REAL ESTATE ACQUISITION~~
   A. QUANTITY LS
   B. UNIT ___
   C. UNIT COST ___ $ 180,000
2. COLLATERAL EQUIPMENT *(MCA)*
   (By Procuring Service)
   A. ___
   B. ___
   C. ___
   D. ___ $ ___

TOTAL COST ESTIMATE $ 180,000

D. FACTOR USED TO COMPUTE REQUIREMENT

Plan take-off

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

There are no sanitary sewers or gas lines serving the airfield. Water is being piped through a temporary water line (invasion type casing) to the field. Electrical distribution is single phase and not suitable for expansion. These utilities will serve an operations building, 2 aircraft hangars, one electronic shop hangar, a fire & rescue facility, and a field maintenance activity which provides service for 55 fixed and rotary wing aircraft, and approximately 200 personnel including the Operations Division, Aviation and Meteorological Dept, Army Electronic Proving Ground, general reserve units, and a field maintenance unit.

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

A 11207

USF200000655

DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 1955	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
4 Aircraft Fuel Storage Tanks	22	6013	75.0

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 64,000	$ 0	$ 64,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A. [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B [ ] REPLACEMENT

3. [ ] STANDARD PLANS
   - [X] SPECIAL DESIGN
   - DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*
   - WIDTH ____ LENGTH ____
   - NO. STORIES ____ CAPACITY 15,000 gal
   - GROSS AREA ____ GROSS CUBE ____
   - OTHER *(Specify)* ____

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Project provides for 4 - 15,000 gal underground steel tanks for 4 grades of fuel (115/145 octane w/TCP; 115/145 octane w/o TCP, 91 octane & 80 octane) & includes 4 pumps w/individual capacity of 500 GPM, wooden truck fill stand, concrete block control house 81 SF, rail & truck gravity unloading system

4 U/Ground Tanks (60,000 gal) with accessories	$54,900
Utils, incl. hardstand	9,100
Total	$64,000

B. BASIS OF NEED *(Unit of Measure: Gallons)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	60,000	0		60,000
B. INTERIM OPERATION *(In addition to 1A)*		0	0	0
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	0	0	0	0
3. UNITS PROVIDED BY THIS PROJECT.	60,000			60,000

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~XXXXXXXXXXXXXXXXXXXX~~:
   - A. QUANTITY LS
   - B. UNIT ____
   - C. UNIT COST ____ $ 64,000
2. COLLATERAL EQUIPMENT *(MCA)* *(By Procuring Service)*
   - A. ____
   - B. ____
   - C. ____
   - D. ____ $ ____

TOTAL COST ESTIMATE $ 64,000

D. FACTOR USED TO COMPUTE REQUIREMENT

4 types of aviation gasoline, each tank to hold more than one carload

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

The four tanks will provide storage for the four grades of fuel necessary to service 21 helicopters from the H-13 to the H-16 in size, and 34 fixed wing aircraft including (6) L-17 drones and a C-46. Four 15,000 gallon tanks will provide capacity to unload railroad tank cars and thus save on demurrage charges. As there are no storage facilities available for aviation gasoline, four tank trucks are used to transport and store fuel. While trucks are making the ½-day round trip to nearest supply point (30 miles distant) to refill, airfield is without fuel supply. The estimated monthly fuel requirement is 60,000 gallons.

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

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USF200000656

DEPARTMENT OF THE ARMY

CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE: 30 Jun 55	INSTALLATION: Fort Huachuca, Arizona		
LINE ITEM NO.: 45	BUDGET ACC'T NO.: 6013	CATEGORY CODE NO.: 17.4	
PROJECT TITLE: BOQ (Male Officers)			
PREVIOUS AUTHORIZATION: $ 0	PROPOSED AUTHORIZATION: $ 330,000	PREVIOUS APPROPRIATION: $ 0	PROPOSED APPROPRIATION: $ 330,000

DESCRIPTION OF PROJECT

A.

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A. [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B [X] REPLACEMENT

3. [X] STANDARD PLANS
   - [ ] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES (Individual Unit)

WIDTH: Irreg LENGTH: Irreg
NO. STORIES: 2 CAPACITY:
GROSS AREA: 27,000 SF GROSS CUBE:
OTHER (Specify):

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Concrete block construction, concrete foundations.
Heating - gas fired central heating system.

BOQ, 60-man @ $5,000 - $300,000
Ext of Utilities - 30,000
$330,000

B. BASIS OF NEED (Unit of Measure: Spaces)

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	112	0		224
B. INTERIM OPERATION (In addition to 1A)		201	0	201
C. MOBILIZATION OPERATION (In addition to 1A and 1B)		400	0	400
2. UNITS TO BE RETAINED (Existing or financed)	16	201	0	233
3. UNITS PROVIDED BY THIS PROJECT.	60	0	0	120

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION:
   - A. QUANTITY: LS
   - B. UNIT:
   - C. UNIT COST: $ 330,000
2. COLLATERAL EQUIPMENT (MCA) (By Procuring Service)
   - A.
   - B.
   - C.
   - D. $
   - TOTAL COST ESTIMATE $ 330,000

D. FACTOR USED TO COMPUTE REQUIREMENT

AR 415-31

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

Bachelor officers are currently housed in modified emergency BOQ's, and modified emergency hospital buildings which have been diverted for this purpose. Upon completion of this proposed BOQ, a comparable number of diverted hospital buildings will be released.

102b - 6/30/55

ENG FORM 1 AUG 54 68c REPLACES ALL PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

A 11207

USF200000657

DEPARTMENT OF THE ARMY

CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
30 Jun 55	Fort Huachuca, Arizona

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE NO.
Field House	1	6013	06.2

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 935,000	$ 0	$ 935,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
   - [X] PERMANENT
   - [ ] MODIFIED EMERGENCY
   - [ ] EMERGENCY

2A.
   - [X] NEW FACILITY
   - [ ] ADDITION
   - [ ] ALTERATION

2B
   - [ ] REPLACEMENT

3.
   - [ ] STANDARD PLANS
   - [X] SPECIAL DESIGN

DRAWING NO. Similar to Ft Eustis Proj #162

4. PHYSICAL DIMENSIONS AND CAPACITIES *(Individual Unit)*

WIDTH Irreg LENGTH Irreg
NO. STORIES 1 CAPACITY
GROSS AREA 48,462 SF GROSS CUBE
OTHER *(Specify)* w/swimming pool 42' x 82'2"

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE

Steel frame w/concrete block walls; concrete foundations and floor slabs. Steel roof framing w/open ceilings. Hardwood floor in arena. Indoor swimming pool 42' x 82'2". Heating gas fired forced air central heating system.

48,462 SF @ $18.20 - $883,000
Ext of Utilities - 50,000
$933,000

B. BASIS OF NEED *(Unit of Measure: SF)*

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	48,462	0		48,462
B. INTERIM OPERATION *(In addition to 1A)*		0	0	0
C. MOBILIZATION OPERATION *(In addition to 1A and 1B)*		0	0	0
2. UNITS TO BE RETAINED *(Existing or financed)*	0	0	0	0
3. UNITS PROVIDED BY THIS PROJECT.	48,462	0	0	48,462

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION ~~[illegible]~~:
   - A. QUANTITY LS
   - B. UNIT
   - C. UNIT COST $ 933,000
2. COLLATERAL EQUIPMENT *(MCA)* *(By Procuring Service)*
   - A. Sig 2,000
   - B.
   - C.
   - D. $ 2,000

TOTAL COST ESTIMATE $ 935,000

D. FACTOR USED TO COMPUTE REQUIREMENT

AR 415-31

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.

This facility is required primarily for the morale and welfare of military personnel assigned to this installation. There is no existing gymnasium or field house on post, nor are there recreational facilities within a radius of 40 or 50 miles off the post. Adequate facilities for indoor athletic participation are essential. The permanent stationing plan provides for centralization of all troop billets. The greatest flexibility will be provided by a centralized recreational facility. The field house provides adequate space for individual participation as well as opportunity for additional troop entertainment at post league contests. There is an additional requirement for a large assembly hall capable of accommodating several hundred observers for demonstrations which will be given by the Electronic Proving Ground as a part of its mission. In addition, there is a requirement for technical orientations by the Electronic Proving Ground Departments for assigned personnel and supporting tactical troop units which assist with specific projects. No existing structure is suitable for

USF2000000658

DEPARTMENT OF THE ARMY
CONSTRUCTION PROJECT JUSTIFICATION DATA F.Y. 1956

DATE	INSTALLATION
21 Mar 1955	Fort Huachuca, Ariz.

PROJECT TITLE	LINE ITEM NO.	BUDGET ACC'T NO.	CATEGORY CODE N
Warehouse w/Railroad Spur	11	6013	74.4

PREVIOUS AUTHORIZATION	PROPOSED AUTHORIZATION	PREVIOUS APPROPRIATION	PROPOSED APPROPRIATION
$ 0	$ 133,000	$ 0	$ 133,000

A. DESCRIPTION OF PROJECT

1. TYPE OF CONSTRUCTION
- [X] PERMANENT
- [ ] MODIFIED EMERGENCY
- [ ] EMERGENCY

2A.
- [X] NEW FACILITY
- [ ] ADDITION
- [ ] ALTERATION

2B
- [ ] REPLACEMENT

3.
- [ ] STANDARD PLANS
- [X] SPECIAL DESIGN

DRAWING NO.

4. PHYSICAL DIMENSIONS AND CAPACITIES (Individual Unit)
WIDTH 59' 8" LENGTH 180' 3"
NO. STORIES CAPACITY
GROSS AREA *12,200 SF GROSS CUBE
OTHER (Specify) *incl 1,443 SF Loading Platform

5. BRIEF DESCRIPTION OF ITEM AND ANY FEATURES AFFECTING COST ESTIMATE
Steel frame; conc block & corrugated cement asbestos exterior walls; conc footings, foundation walls & floor slabs; steel roof; concrete floors w/ceramic tile in lavatories; open ceilings; gas-fired unit heaters, and automatic sprinkler system. Project includes railroad spur, 7 loading dock. Weight of RR rails 90 lbs. Loading dock to be 8' wide.

Whse, 12,200 SF @ $7.75	$ 95,000
Utilities, incl roads, walks, etc.	11,000
RR Spur, 1,500 LF @ $18.00	27,000
Total	$133,000

B. BASIS OF NEED (Unit of Measure: SF)

TYPE OF CONSTRUCTION →	PERMANENT	MOD. EMERG.	EMERGENCY	TOTAL
1. UNITS REQUIRED FOR: A. PERMANENT OPERATION	96,000	0		96,000
B. INTERIM OPERATION (In addition to 1A)		61,178	0	61,178
C. MOBILIZATION OPERATION (In addition to 1A and 1B)		0	0	0
2. UNITS TO BE RETAINED (Existing or financed)	13,512	61,178	0	74,690
3. UNITS PROVIDED BY THIS PROJECT.	12,200	0	0	12,200

4. IS PROJECT ESSENTIAL TO SUPPORT OTHER PROJECTS IN THIS PROGRAM? [ ] YES [X] NO
(If YES, which projects)

C. COST ESTIMATE

1. CONSTRUCTION
A. QUANTITY LS
B. UNIT
C. UNIT COST $ 133,000

2. COLLATERAL EQUIPMENT (MCA)
(By Procuring Service)
A.
B.
C.
D. $

TOTAL COST ESTIMATE $ 133,000

D. FACTOR USED TO COMPUTE REQUIREMENT
AR 415-31

5. WHY IS ITEM REQUIRED AND HOW IS NEED BEING MET NOW.
Facility required to provide storage for 30,125 measured tons of supplies and equipment for testing and evaluation projects. Of the 30,125 meas. tons of supplies and equipment which is based on peak storage, approximately 800 meas. tons are now stored in open. All existing warehouse space is fully utilized and incoming equipment (rail deliveries come in four per week average w/two being on regular schedule and two being specials, with average number of cars per delivery being approximately 10) is stored in tents and under tarpaulins. Such storage is unsatisfactory for electronic equipment as rapidly changing temperatures cause moisture condensation in components, while dust and sand particles prevent proper operation of moving parts. Since the nearest railroad spur will be approximately one mile from the warehouse the extra cost of double handling would be $80 to $100 per carload. Therefore, in the interest of economy, it is necessary to have a railroad spur adjacent to the warehouse. A loading dock on each side of the warehouse is necessary and will be 8' 0" wide.

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