

Civil Engineering Programming

POLICIES AND PROCEDURES

This regulation prescribes the procedures and reports necessary in assisting the Base Civil Engineer in developing and submitting the following: ANG Agreements; ANG Long-Range Facility Requirements Program, RCS: ANG-DEP(A)7402; Comprehensive Land Use Plan, RCS: ANG-DEP(A)7403; and Airfield and Airspace Criteria Waivers.

This regulation amplifies and modifies the guidance provided by the 86 series of Air Force publications that concern the Air National Guard. Where conflicts with the 86 series of AF publications appear in this regulation, this regulation will govern.

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Chapter I

GENERAL

1-1. Purpose. This chapter presents the types of programs, explanation of terms and general information to assist in developing comprehensive facilities programs and preparing the necessary submittals and reports.

1-2. Types of Maintenance, Repair, and Construction Programs:

a. Facilities Operation and Maintenance Agreement Program (FOMA). The written agreement between the Federal Government and each of the States, District of Columbia, Guam, Virgin Islands and Puerto Rico whereby the terms, conditions, and cost sharing ratios (State and Federal for operating and maintaining Air National Guard installations) are set forth.

b. Program. Funds available for Operations and Maintenance, as submitted to NGB are comprised of the following:

(1) Maintenance and Repair projects, regardless of the cost.

(2) Alteration and Minor Construction projects costing as indicated in Table 1-1, Project Approval Authorities.

c. Military Construction Program (MCP or MILCON). The annual construction program as submitted to and approved by Congress, including addition, expansion, extension, alteration, conversion, replacement and construction projects. Major maintenance and repair work may be included as part of an MCP project.

d. Unspecified Minor Construction Program (P-341). The urgent minor construction program as tacit approval by Congress or as delegated to the Secretary of the Air Force includes urgent additions, expansions, extensions, alterations, conversions, replacements and construction projects that cannot wait for the next Military Construction Program submission. See Table 1-1, Project Approval Authorities.

1-3. Work Classification and Certification. Work is the effort expended in the care, upkeep, construction and improvement of real and installed property. For purposes of control, public law, and approval, work is subdivided into the following classifications:

a. Maintenance (Class M, EEIC 521). The recurrent day-to-day, periodic or scheduled work required to preserve a real property facility. It includes work required to restore components that have deteriorated from fair wear and tear and other work on a facility to prevent damage or deterioration to the facility that otherwise would be more costly to restore. Maintenance work includes, but is not limited to:

(1) Utility Plants and Systems. Relining and retubing of boilers, cleaning water lines, cleaning and applying protective coatings in POL systems, packing expansion joints, and corrosion prevention, including installation of cathodic protection on existing facilities when it has been determined by an engineering survey that it is necessary to prevent damage that otherwise would be more costly to restore.

(2) Buildings and Structures. Interior and exterior painting, roof flood coating and replacing of roof surface, jacking and leveling of facilities, reballasting and realignment of railroad trackage, and restoring associated appurtenances that have deteriorated from wear and tear.

(3) Lands. Mowing, pruning, spraying, re-seeding, fertilizing, and weeding flower and shrub beds and cleaning/regrading ditches.

(4) Pavements:

(a) Sealing and resealing of joints and cracks in rigid and flexible pavements.

(b) Marking and remarking of pavements.

(c) Applying surface protective treatments and rejuvenators to, and removing rubber deposits from pavements.

(d) Placing of a complete or partial rigid or flexible overlay on an existing pavement. Appurtenant work for the purpose of overlay is considered as maintenance-type work only where no significant repair to existing surface or base is required or included. Bituminous overlays up to 4 inches average thickness and portland cement concrete overlays up to 6 inches may be classified as maintenance.

(e) Grinding and heater planing to eliminate surface irregularities.

(f) Mudjacking and undersealing existing pavements that are pumping or have voids between the base and surface courses.

(g) Grooving to restore traction.

b. Repair (Class R, EEIC 522). Restoration of a real property facility or components thereof to such condition that it may be used effectively for its designated purpose, by overhaul, processing, (i.e., IRP program), or replacement of constituent parts or materials that have deteriorated by actions of the elements or wear and tear in use and which cannot be corrected through maintenance. Repair includes restoring or replacing components, to current standards, of facilities partially damaged by fire, storm, explosions, weather elements, and other disasters. Repair work will not be accomplished if the cost of the work will exceed 70 percent of the current complete replacement cost of the structure, pavement, plant, or stand-alone system. Repair work which exceeds 70 percent of replacement cost will be classified as construction.

(1) Utility Plants and Systems. Repair or replacement of utility and POL systems, including items of real property installed equipment (RPIE) that have deteriorated because of usage, corrosive action, age or inaccessibility for maintenance and are beyond economic maintenance. When cathodic protection is to be installed simultaneously with the accomplishment of repair work in a facility, it is considered as a combination Class M and R project. In the process of repairing components of utility plants and systems by replacement, such as generators, transformers, compressors, pumps, pipes, furnaces, etc., the size of capacity of these components may be increased a reasonable amount to meet current standards, (i.e., water, fire flow demand). A replacement utility may be built while allowing the continued use of the deteriorated system when economically justified through cost avoidance in down time and if the replacement is less than 70 percent of the replacement cost of the complete system. Such determination shall be well documented and recorded.

(2) Buildings or Structures. Repair or replacement of structure members, foundations, roofing systems, partitions, etc. as well as the interior electric, plumbing, heating and cooling systems, items of RPIE, railroad rails or ties and

other components. In the process of repair, consistent with the above, the wood siding of a building may be replaced with shingles, aluminum, or other similarly processed siding material if such work is consistent with projected facility life, utilization and sound engineering practices. (Replacement of wood siding with brick, stone, and the like would be classified as construction.) In some instances, an engineering analysis will show that work on minor components of facilities, which should normally be classified as class C or MC, will provide a better and cheaper "fix" than the Class R work that would otherwise be required. An example of this situation would be a case where in repairing ceilings, it might be cheaper to install a suspended ceiling vice repairing the existing ceiling. A flat roof repair should remain a flat roof. Such work can be classified as repair. The determination shall be well documented and recorded.

(3) Lands. Regrading and restabilization of eroded or disturbed grounds, repairing damaged grass, trees, or shrubs caused by disease, insect infestation, storms, and other environmental factors.

(4) Pavements:

(a) Spot Repair. Localized replacement or repair of failed or deteriorating slabs in rigid pavements, or localized replacement of a failed or deteriorating surface, base, subbase, or subgrade in flexible pavement.

(b) Complete or partial overlay of an existing pavement to restore operational serviceability when significant spot repairs are necessary to support traffic and any overlays exceeding that specified in paragraph 1-3a(4)(d).

(c) Replacement of a deteriorated flexible pavement surface, including spot repairs to the existing base, subbase, subgrade, drainage structures and appurtenances thereof as necessary to safely support using traffic.

(d) Partial restoration of a failing or failed pavement without substantial improvement as a whole, by replacing continuous portions of the existing pavement surface, base, subbase, subgrade, drainage structures, and appurtenances, as necessary. NOTE: The above applies only to pavement work designed to accommodate accumulated normal growth and evolution of missions, equipment, and related facilities to

meet current mission requirements. Changes in design to accommodate programmed or future mission changes may not be classified repair if costs are increased thereby. The work then must be classified as construction.

c. Construction (Class C, EEIC 529). Work required to erect, install, or assemble a new facility; addition, alteration, expansion, or extension, conversion, or replacement or change in utilization of an existing facility; relocation of existing facilities and installed equipment. It includes rearrangement and providing of interior built-up partitions, installation or rearrangement of air-conditioning and interior utility systems.

d. Services, Not a Class of Work (EEIC 533):

(1) The following work, when performed by in-service personnel or by contract is service work: custodial services, garbage and refuse collection, pavement cleaning, snow removal, entomology and fire protection equipment services.

(2) When isolated building demolition, including asbestos removal is performed, it is a service.

(3) The United States Property Fiscal Officer (USPFO) makes the final determination as to the classification of contracts between services and construction. "Construction" as used in Federal Acquisition Regulation (FAR) generally conforms with project work in civil engineering terminology.

e. Planning Funds (EEIC 534). Funded from the Operation & Maintenance (O&M) appropriation includes:

(1) Advance planning studies for developing requirements for an RPM project.

(2) Developing comprehensive land use plans for an installation.

(3) Alternative site studies.

(4) Preparing engineering analysis and studies to develop technical design parameters.

(5) Preparing environmental impact assessments and statements.

f. Unclassified Work (EEIC 592). This work is charged in accordance with AFR 300-4, Volume II, ADE CI-865.

(1) Demolition. Demolition is not a class of work. If a facility is to be demolished because it is in the way of new construction, it is costed to the construction project. If a facility is to be demolished after completion of a replacement

construction project, the demolition is considered an isolated action. In such case it may be funded from O&M appropriations or may be funded under MCP appropriations. When funded from O&M appropriations it will be EEIC 592.

(2) Work for Others. This also is not a class or work. It is a service by contract or within the in-service capability of the Civil Engineer, performed for others, that is not related to the maintenance, repair, or construction of real property facilities. For example, work in this category includes excavation and backfill support done as an isolated action (does not support a construction project) for the purpose of installing communications lines or other nonreal-property communications-electronics (C-E) equipment. It also includes work on EAID that is within that of the BCE to perform.

g. Certification of Work Classification:

(1) A current 1391c, Certificate of Compliance, is required together with a DD Form 1391 for all projects whose cost is estimated at \$15,000 or more. See attachment 1.

(2) Each DD Form 1391c shall be certified by the Air Commander that the work classification(s) are correct, the project includes all the known and projected requirements for the building/structure at this time and the project provides a complete and usable facility. The certification/responsibility cannot be delegated below the Air Commander.

(3) Project certificates for projects will become part of the project document folder and be kept at base level. For projects beyond local approval, a copy of the certificate will be submitted to NGB along with the DD Form 1391 submittal requirements.

1-4. Explanation of Other Terms:

a. Acquisition. The attainment of interest in real property by means of fee ownership, license, permit, Host-Tenant Real Estate Agreement or other temporary agreement. See AFR 87-1 or ANGR 87-1 for additional guidance regarding real property acquisition.

b. Alteration. Any work required to adjust the interior or exterior arrangement of a building (including demolition), to relocate a building or structure, or to change the physical character-

istics of a building, structure or system. This work is normally classed as construction.

c. Change Utilization. A change in use of a facility or a portion requires a change of category code and nomenclature.

d. Conversion. Work performed to a facility that changes the purpose for which the facility was originally designed.

e. Project. Work planned to be accomplished on one or more real property facilities above \$15,000. A project must provide a complete and usable facility or a complete and usable improvement to an existing facility when completed.

f. Real Property Facility. A separate building, structure, plant, utility system, or other real property improvement to which a category code (AFM 700-20, Volume I) has been assigned. See AFR 87-5 for additional details.

g. Replacement. The construction of a real property facility to be used in place of a similar facility destroyed, damaged or deteriorated.

h. Project design. Includes all engineering services required for proposed military construction projects, including development of project books, site investigations, surveys and mapping, sketches, design and preparation of cost estimates. Includes all plans, specifications and construction contract documents. Other functions that may be included are:

(1) The development and updating of design criteria and facility or systems operations manuals.

(2) Preparation of standard designs and definitive drawings used on military construction projects.

(3) Management of military construction program design and contract administrative services for design and land acquisition projects.

(4) Project cost certifications.

(5) Pre-construction contract award activities including printing and reproduction of bid documents, preparing pre-bid government estimates and liaison with prospective bidder and construction personnel. See the appropriate FAR's and NGR (AF) 88-1 for information on funding and procedures.

i. Mezzanines. A mezzanine of a movable nature, and installed so it is not permanently affixed to or as an integral part of a building, will be categorized as "movable equipment" and

classed as a supply/expense item when it is installed as a storage aid to increase available storage space and thus improve supply and storage operations. All other installed mezzanines will be classified as construction and will count as part of the authorized building scope as defined in NGR (AF) 86-2, as applicable.

j. Modular Office. A modular office built as a separate free standing unit which can easily be moved from place to place within or between buildings without any connections (except for quick disconnect utility connections), will be classified as "movable equipment" and classed as a supply/expense item.

k. Work Policy Guidance on Condition Coded Facilities. This guidance is based on condition codes rather than age, and/or type of construction since each facility's condition code and a decision on retention/disposition must be made by using an engineering judgment of current condition. Condition Code 1, no major projects required. Condition Code 2, a major construction or upgrade project is required to upgrade the facility to Condition Code 1. For Condition Codes 3, 4, 5, & 6, the following paragraphs provide work guidance:

(1) Condition Code 3; Forced Use. Since condition codes are assigned based upon current use they do not reflect the capability of that facility to accommodate a different use. A Code 3 facility by definition, cannot economically be upgraded to Code 1, usable class condition for its currently assigned use. Work, other than routine maintenance, should be limited as follows:

(a) Minor alterations within USPFO project approval authority are permissible only when existing conditions cause a documented degradation of the mission of the organization which occupies the facility.

(b) Repairs should be limited to those absolutely necessary because of economics or toward retention of the facility until its scheduled disposal; or until such a facility could possibly accommodate another function in usable good condition with practically no expenditure of funds.

(c) All these facilities should have proposed projects to convert to another use or to replace them.

(2) Condition Code 4; Sterile. Work is limited to maintenance for safety, health, or "securing and pickling" the facility.

(3) Condition Code 5; Committed to Congress for Disposal. Work is limited to minimum maintenance for safety, health, or to maintain essential functions in the facility until all functions have been moved into beneficial occupancy status in their replacement facility.

(4) Condition Code 6; Approved for Disposal. Work is limited to minimum maintenance for safety or health.

i. Training Projects. Work performed by military personnel in the course of OJT. Military labor costs are unfunded costs and are not included in the project approval costs. Civilian labor costs including cost of ANG Facilities O&M Agreement funded personnel are funded costs and included in the project funded costs.

m. Newly Constructed Facility. Facilities or part of a facility which has been constructed under twelve months.

n. Morale, Welfare and Recreation Facility (MWR). MWR facilities are normally not authorized at ANG installations.

(1) NGB will only authorize construction of only those physical fitness facilities that are driven by mission requirements such as the annual fitness testing or weight rooms for aircrews.

(2) Priority considerations will be given to facilities which support physical fitness and outdoor recreation.

o. Delegation of Approval Authority. In accordance with and subject to the provisions of SAF Order 714.1, authority is delegated to the USPFO as indicated in Table 1-1. The USPFO may, in turn, redelegate approval authority to the chairman of the Facilities Board at ANG installations or their Base Civil Engineers.

p. Systems Furniture. Systems furniture (prewired workstations) consists of interconnecting panel assemblies together with work surfaces, storage units, and other major components which are panel supported. Systems furniture is not real property installed equipment (RPIE); therefore, such items shall not be capitalized, whether or not procured in association with MCP projects.

(1) MILCON (or P-341) project funds shall be used to purchase and install systems furniture

when costs for systems furniture are identified or implied on the DD Form 1391.

(2) All other systems furniture must be funded by the user via the annual financial plan (FINPLAN) in budget program 3840 (O&M) under Element of Expense Investment Code (EEIC) 61990, Other Supplies and Materials, Non-Air Force Stock Fund All Others. Systems furniture shall not be funded from RPM funds.

1-5. Facilities Board. Each ANG Air Commander will establish a Facilities Board as outlined in ANGR 86-7. The board will ensure the most effective utilization of real property assets and will assist in the development and management of the facility projects. The facility board validates and establishes base priority IAW provisions of ANGR 85-1 for all projects.

1-6. Joint Service Reserve Components Facility Board. Each state is required to have and utilize a State Board as prescribed in AFR 86-12.

1-7. State/Area Clearinghouse. OMB Circular A-95 was rescinded on 19 July 1982 and was replaced by Executive Order 12372.

1-8. Air Installations Compatible Use Zone (AICUZ). The AICUZ program is required to aid in the prevention of mission capability degradation because of encroachment by the civilian community and to protect the local community from noise and accident hazards associated with flying operations. The AICUZ policy is applicable to all installations that conduct flying operations. The degree of involvement is guided by the following:

a. All installations with runways operated and managed by the Air National Guard shall comply with AICUZ requirements.

b. At other locations where the ANG is a tenant, the unit will provide its Phase I AICUZ data to the installation host or airport authority upon request.

1-9. Programming Facility Requirements. NGR (AF) 86-2 and AFM 86-2 provide standard facility weapons systems requirements for most Air National Guard missions. ANGRC/CEP may provide on-site recommen-

dations, to aid in the development of a balanced long range program.

a. The programs described in this regulation provide the means for eliminating facility deficiencies. Projects to eliminate a specific deficiency will only appear in one program.

b. Each ANG Base will prepare and maintain a Comprehensive Land Use Plan as prescribed in Chapter 4. When the ANG is a tenant on a military base, the ANG facility requirement will also appear on the host base master plan.

c. Where the ANG is the host, tenant requirements will appear on the overall Comprehensive Land Use Plan.

1-10. Determination of Total Estimated Cost. Standard Air Force costs for various facilities are available in the HQ USAF Historical Facility Cost Book. This guide will be used for pricing all projects where possible. In the absence of a similar facility in the pricing guides, a local reliable estimating procedure may be used.

1-11. Project Approval Authority and Funding:

a. The approval authority for each class of work and each level of authority for the ANG is shown in Table 1-1.

b. Projects with estimated costs exceeding local approval authority (Table 1-1) may be advertised for bids only upon written authorization from NGB.

c. See NGR (AF) 88-1 for authorization for bids and funding of NGB-approved projects.

1-12. Combining Similar Work:

a. Similar work proposed to more than one facility in the same time frame should be included in a single project for economy. In such projects, project approval level is based upon the funded cost of the proposed work to each single facility.

b. When a project for a single facility requires a combination of repair, maintenance or construction, the project approval authority is determined by the sum of work classification elements.

c. The class MC portion of a project with more than one class of work cannot exceed the

statutory limit even though the total project can exceed this limit.

1-13. Work on a Single Facility:

a. The total amount of RPM program funds spent within a 12 month period on a single facility, regardless of category code and class of work will not exceed \$100,000 without specific approval from ANGR/CEP.

b. Incrementing projects to reduce costs below an approval threshold is prohibited. Likewise, a project must be complete so that it provides a fully functional facility and ready for beneficial occupancy and/or use when construction is completed.

c. Combining local approved projects with NGB approved projects to accomplish work on a single facility is not authorized without specific approval from ANGR/CEP. All such projects will be cross referenced on project documents.

1-14. Improvement (Alteration) of Newly Constructed Facilities.

All improvements or alterations permitted under this paragraph must be approved by NGB/CE. Newly constructed facilities that are less than 12 months old from date of completion acceptance will not be altered, added to, or otherwise changed except where necessary to:

a. Satisfy changed operational requirements or changes in equipment configuration.

b. Eliminate unforeseen health and safety hazards.

c. Correct design and/or construction deficiencies.

1-15. Interim Facility Requirements.

Trailers, portable buildings, or interim facilities will only be authorized by ANGR/CEP following the procedures outlined in Chapter 6.

1-16. Utility Connection Charges.

AFR 91-5 provides policy and guidance on entering into contracts for utility service. Payment of a connection charge from O&M funds or incurring an obligation for termination liability as a means of financing construction is limited to "local connections", that is, facilities to connect existing ANG utility systems with the supplier's present distribution system. Include such utility connection charges in the MILCON only when the

connection is related to construction projects in the MILCON and if it follows AFR 91-5 policy. Enter the code and nomenclature for the type of utility to be connected in the indicated space of the supporting forms. All new on-base utilities work will be classified and funded as construction. Contributions to the cost of expanding the supplier's production facilities or its "backbone" distribution system are construction costs and will be funded as MC, Emergency Construction, or through the MILCON."

1-17. Real Estate Actions. Utilize ANGR 87-1, AFRs 87-1 and 87-4 for regulations, policy and guidelines in land acquisitions, transfers, relocations, excessing and disposals.

1-18. Civil Engineering Technical Services Center:

a. General. The Air National Guard Civil Engineering Technical Services Center (CETSC) in Minot, ND, is organized primarily to provide professional work services and ANG Installations with teams based in the specialty areas of

Aircraft Arresting Systems, HVAC Systems, Aircraft and Vehicular Pavements, Corrosion Analysis, Liquid Fuel Systems and Asbestos management.

b. Tasking. The CETSC (ANGRC/CEEC) is tasked by ANGR/CEE to provide support in each of the specialty areas to Air National Guard installations or at other locations as directed.

c. Concept of Operations. Installations will follow the same procedures and dates as required for the RPM program for requesting and justifying CETSC services. Requests for the services will be sent to ANGR/CEE for approval. ANGR/CEE will set the priorities and will coordinate the services with ANGR/CEP."

**TABLE 1-1
PROJECT APPROVAL AUTHORITIES
(\$000)**

<u>CLASS OF WORK</u>	-----MAXIMUM APPROVAL LEVELS-----			
	<u>CONGRESS</u>	<u>SAF</u>	<u>NGB/CE</u>	<u>USPFO</u>
MILCON (over \$200)	All			
MINOR CONSTRUCTION (MC)				
-RPMA (\$200 Max)			200	100
-P341 (Urgent MC)		400		
REPAIR (RPM)		over 1000	1000	100
MAINTENANCE (RPM)		over 100		100
ADVANCE PLANNING STUDY		over 10		10
LEASED/RELOCATABLE BUILDINGS		beyond 3 yrs.	0-3 yrs.	0 yrs.

NOTES:

1. For work classification see para 1-3 of this regulation.
2. Tacit Congressional approval is required for all projects that cost over \$200,000.
3. The above approval authorities may be redelegated by the USPFO to the Chairman of the Facility Board (FB) at ANG installations who may in turn redelegate any or all authority to their Civil Engineer (BCE). All delegations must be in writing and copies of the delegation document will be on file at each activity having approval authority.
4. Approval authority can only be delegated to a full time U.S. Government employee. Authority cannot be delegated outside of U.S. Federal Government channels.
5. Projects within the BCE approval authority do not require FB approval; however, the BCE will keep the facilities board advised of total work level requirements, funding shares and execution progress.
6. Full time military/civilian labor is charged to the total project's cost and must be reflected in real property records. Material costs are also charged to project and must be reflected in real property records. Project approval levels include material plus labor for full time military/civilian projects and these amounts are shown on the DD Form 1391. Part time (Prime BEEF, Self Help, etc) labor is an unfunded cost, but is included in real property records as a funded improvement to the facility or structure. Project approval levels include material costs only for training projects using part time Prime Beef personnel.

Chapter 2

AIR NATIONAL GUARD AGREEMENTS

2-1. Purpose. Agreements within Air National Guard Engineering and Services are commitments which permits maintenance, repair or construction of facilities using Federal funds on Federal installations and other government-owned (State, County, Municipal, etc.) property after receiving specific approval of NGB/CE.

2-2. Facilities Operations and Maintenance Agreements (FOMAs). The FOMAs are five year agreements between the Federal government and each State, the Virgin Islands, the Commonwealth of Puerto Rico, Guam, and the District of Columbia, to provide funds for the operation and maintenance of Air National Guard installations.

a. Types of FOMAs. Agreements differ somewhat in procedures for state payment and reimbursement. The payment procedures are described in the FOMA and ANGR 91-25. Selection of payment type is at the option of each state.

b. Contents of FOMAs. Agreements describe admissible costs, work to be accomplished, procedures for payment and reimbursement, approval authorities and other provisions required by OMB Circular A-102.

2-3. Air National Guard Projects Outside Air Force Owned or Leased Property:

a. Negotiations or commitments which result in maintenance, repair or construction of facilities using Federal funds outside Air Force owned or leased property licensed to the ANG are not authorized without specific prior approval from NGB/CE.

b. MILCON projects will not be accomplished where the Federal government's interest is less than a long term lease, i.e., having at least 25 years remaining at the time of construction, except real property that is required for the installation of utilities, roads and necessary appurtenances where a long term easement or agreement is inappropriate.

c. All projects on civil airport facilities such as airfield pavements, utilities, and aircraft arresting systems, regardless of cost, require a Joint Participation Construction Agreement be-

tween the airport authority and NGB/CE. This is in addition to the airfield lease/use agreement already in effect at the airport. ANGRC/CEP validates the project requirements and processes Joint Participation Construction Agreements. See attachments 2 and 3 for sample agreements. All new lease and Airport Joint Use Agreement requests will be processed through NGB/CE.

(1) Approvals. Procedures to be followed to obtain NGB approval for a construction project on property not under Air Force control and/or licensed to the Air National Guard are:

(a) Notify ANGRC/CEP in writing of the potential project. In addition, submit a DD Form 1391. Questions which must be answered in the initial correspondence are:

1. Is there an existing agreement; e.g., Airfield Maintenance Agreement that covers the work either directly or indirectly?

2. Is the project for joint-use by the Air National Guard and others?

3. What is the ANG share or use/need portion of the project? (Actual use or need shall be determined from relative data such as air traffic control tower movement reports).

4. What is the planned scope of work? Explain in detail.

5. What is the estimated Air National Guard funding requirement?

6. What other sources of funds and amounts are planned for this project?

7. When is the construction proposed?

8. Who will be the design and construction agent?

(b) Upon receipt of base request, NGB/CEP will provide project programming guidance for the requirements of construction agreements and NGB/CE will provide general guidance for lease/use agreements. Processing normally requires a minimum of two years before funds are available. For MILCON projects, it may take up to five years.

(2) Optional Contracting. After receipt of NGB/CE approval, negotiated agreements may be accomplished with other government (Federal, State, Municipal, etc.) agencies to accomplish work. The official document(s) must be prepared

by the USPFO using appropriate contractual procedures. See attachments 2 & 3 for sample agreements.

2-4. Host Tenant Agreements. Reference AFR 11-4 and AFM 172-1, Volume I for guidance and detail.

2-5. Airport Joint Use Agreements (AJUA). The process of acquiring a fully executed product for each new or renewed agreement includes, but is not limited to, the following:

a. Approximately 6 months to 1 year prior to termination of the current AJUA (unless agreement specifies otherwise) and in advance of any negotiations, a draft agreement will be prepared by NGB/CEI, with base's input, IAW ANGR 87-2 format.

b. This proposed draft agreement is then submitted to the Deputy Assistant Secretary of the Air Force for Installations (SAF/MII) for review and approval of format and content. Review by Secretary of the Air Force Office of the General Counsel (SAF/GCN) is also required.

c. Upon return of the approved draft agreement, recommended changes will be incorporated by NGB/CEI and forwarded to the installation with a cover letter providing policy, guidance and instructions in areas that are subject to negotiation, as well as other general guidance as required.

d. During the negotiations, the installation shall maintain close coordination with NGB/CEI for purpose of maintaining continuity, following policy, etc.

e. When a mutual agreement has been reached by the negotiating parties, the negotiated terms and conditions will be delineated in a letter to be forwarded to NGB/CEI for incorporation into a final proposed draft. This will then be submitted to SAF/MII and SAF/GCN for final review/ approval prior to execution by any of the authorized signatories.

2-6. Land Exchange Agreements. (LEA). The exchange of Government-Owned land is authorized under Chapter 133 of Title 10 U.S.C. An outline of the basic requirements and procedures are provided below:

a. Any land exchange proposals will be submitted to NGB/CE (with details that were locally

developed) to make a determination whether further pursuit of exchange actions would be in the best interest of the government. This can only be accomplished with results from an appraisal received from the Corps of Engineers (requested by NGB/CEI immediately upon notification of a proposed land exchange). Appraisals ensure that all real estate values involved are clearly established.

b. An economic analysis is prepared by NGB/CE, using the government appraisal against terms/conditions discussed to this point. If the economic analysis represents a fair exchange, it is then presented to SAF/MII for review and approval to pursue substantial negotiations. In most cases, NGB/CE will be the party responsible for conducting the negotiations unless otherwise specified.

c. When an agreement in principle has been mutually agreed to by all participating parties, the information outlined in paragraph 2-6b above is presented to SAF/MII for approval to enter into an LEA which is prepared by SAF/GCN.

d. The LEA is then submitted to SAF/MII for approval and execution by the other participating parties. Upon receipt of the LEA by SAF/MII, Letters of Notification are then submitted to the appropriate Congressional Committee for review (normally a duration of 30 days).

e. If the Congressional Committee(s) review produces no objection, the LEA is executed in final by SAF/MII, thus allowing the agreed upon terms and conditions to be carried out as set forth in subject agreement.

f. After Congressional review any follow-on real estate actions such as new leases, licenses, amendments to existing documents, etc., will be accomplished by NGB/CE.

Chapter 3

AIR NATIONAL GUARD LONG-RANGE FACILITY REQUIREMENTS PROGRAM

3-1. Purpose. This chapter provides guidance to the Base Civil Engineer on preparing the Air National Guard Long-Range Facility Requirements Program.

3-2. Reporting Information. The Air National Guard Long Range Facility Program will be prepared on a computer form sent annually by ANGRC/CEP to the states/bases for mark-up and returned as part of the base annual submittal on facility projects. Each year, ANGRC/CEP will advise each TAG of MILCON projects included in the President's Budget.

3-3. Method of Submittal. The Base Civil Engineer will update and submit the programs to ANGRC/CEP each year as requested. A current DD Form 1391 is required for each project submitted or included in the Base submission. This DD Form 1391, for each NGB approved project, is required each year even though one has been submitted in the past. This revised form is necessary to ensure the costs have been updated and the scope/requirements have been revalidated by the Base. See attachments 4 and 5 for sample submittal of RPM projects and see attachment 6 for MilCon.

3-4. Siting Facilities to Resolve Deficiencies. Proposed MILCON and other new construction requirements will be reflected in the Comprehensive Land Use Plan.

3-5. Defining Requirements. The primary reference for determining requirements for ANG missions is NGR (AF) 86-2. AFM 86-2 may be used as guidance for developing requirements for facilities not included in NGR (AF) 86-2. ANGRC/CEP will determine the ANG authorized scope.

a. To determine the total ANG requirements at a given location, the following factors must be considered based on the present or known future mission:

(1) Existing Facilities. A facility housing more than one function may have deficiencies in each functional area. Before programming more space, all existing space on the base must be

fully utilized without exceeding the allocations outlined in NGR (AF) 86-2. Exceptions to this will be submitted to ANGRC/CEP for approval.

(2) Mission. The mission at a given location may include one or more flying units and/or nonflying units, or combat readiness training centers. Deficiencies will be determined on the total base mission. Automotive maintenance shops, dining halls, supply warehouses and other facilities that are compatible for joint utilization will not be duplicated.

b. The Military Construction Program is the primary program for construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard.

c. The Minor Construction Programs (P-341 & RPM MC) are also a means of reducing total deficiencies. The work accomplished in these programs may be directed towards the elimination of total deficiencies but will not be accomplished concurrent with each other on the same project.

3-6. Real Property Maintenance (RPM):

a. General. The annual RPM program is established to accomplish the maintenance, repair, and minor construction work necessary to ensure that ANG facilities are maintained in a usable condition and:

(1) To provide for the acquisition (minor construction) of facilities, including the development of plans and specifications for such facilities, using funds appropriated for such purposes, provided that the cost of any such project is not in excess of that shown in Table 1-1.

(2) To restore/repair damaged facilities or to acquire facilities to replace such damaged facilities, including the development of plans and specifications for such facilities using funds appropriated for such purpose, provided that the cost of any project is not in excess of that shown in Table 1-1, funds available for Operations and Maintenance may be used.

b. Project Execution.

(1) No more than 15 percent of all money in the RPM Program expended for each ANG in-

stallation's USPFO approved projects may be spent for minor construction without ANGR/CEP authorization. Only in cases of critical exigency will this threshold be exceeded and only after approval has been obtained from ANGR/CEE/CEP. RPM funds may not be transferred between Maintenance and Repair and Minor Construction without ANGR/CEE approval.

(2) A summary of the documentation required by the BCE for projects within the USPFO approval authority will include as a minimum an AF Form 332, a BCE Work Request, a Base Civil Engineer Work Order or a BCE Job Order.

c. Project Design:

(1) All projects above USPFO approval authority will require a Design Instruction from ANGR/CEE prior to initiation of design and adhere to NGR (AF) 88-1.

(2) For all USPFO approved projects, the Base Civil Engineer may proceed with design IAW NGR (AF) 88-1 without prior written approval from ANGR/CEE.

(3) ANG FOMA funds may not be used to supplement in-house design capability for preparation of studies, specialized phases of design, or drafting. They will not be used for A-E contract services.

(4) The use of Architect-Engineer services for design of projects over USPFO approval authority shall follow the provisions of NGR (AF) 88-1.

d. Project Review and Approval. Review and approval shall be accomplished as stated in NGR (AF) 88-1.

3-7. Urgent Minor Construction Program (P-341):

a. General. It includes all urgent construction, alteration, addition, conversion, and replacement projects that cannot wait until the regular MCP program submission. See Table 1-1 for project approval authorities.

b. Approval Action By NGB. After receiving P-341 project requests, ANGR/CEP will develop the program to be submitted for official approval. ANGR/CEP will advise the bases of their approved projects.

c. Design Instructions. ANGR/CEE will issue design instructions for all P-341 projects. Design must be expedited to ensure urgency for the project is demonstrated and maintained.

3-8. Military Construction Program (MCP-321):

a. Program Submission. NGB is required to forward the annual MCP Program submittal to OSD in September of each year. By 15 July of each year, a current DD Form 1390 must be on file with ANGR/CEP for each installation. Projects to be included in the submission will be selected from the total deficiency report by the ANG Facilities Board. Projects may be added to provide for mission or other changes that were not previously anticipated.

b. Project Justification. When requested by ANGR/CEP, project justification will be submitted on DD Form 1390 FY 19XX Guard and Reserve Military Construction, along with the DD Form 1391, and 1391C (see attachment 6 for samples) Military Construction Project Data. Submit one copy of all required forms.

c. Design. MILCON and P-341 projects will adhere to the requirements of NGR (AF) 88-1 for design acquisition, authorization and design milestones.

Chapter 4

COMPREHENSIVE LAND USE PLANS

4-1. Purpose. This chapter provides guidance and general philosophy for developing comprehensive plans for Air National Guard installations. The specific requirements for development of these plans are contained in an ANG standard Statement of Work (SOW).

4-2. Philosophy. The continued growth and introduction of modern weapon systems into the ANG, combined with the acceptance of new missions, requires that we plan, design and build our installation environment with maximum flexibility. To accomplish this, we must prepare orderly, comprehensive plans for each ANG base. Various types of plans will be developed to give the installation all the information it needs to meet its growth potential. Plans include vicinity information, existing installation conditions, airfield pavement conditions, real estate constraints/potentials, utility system planning, and future conceptual development plan positions. A long range plan will be developed for an outlook of 25-30 years into the future and encompass all probable future missions (i.e., new aircraft) and expansion of existing and/or new missions. The short range plan will focus on the next 10 years.

4-3. Development. Comprehensive Land Use Plans will be developed for each ANG installation using professional Architect-Engineer (A-E) services. In order to ensure a standard end product and format, a standard Statement of Work defines the specific requirements to be followed.

a. The planning process must actively include all key personnel on the installation and the NGB/CE staff and associated agencies. The planning effort must also involve input and participation by local government agencies, airport authorities and other military activities since development and constraints outside our boundaries can have a significant impact on the plans.

b. NGB/CE provides overall guidance and control during development of the plans. The Plans and Programs Division (ANGRC/CEP) has

the primary responsibility for authorizing, managing and developing Comprehensive Land Use Plans for each ANG installation. The Base Civil Engineer will coordinate all planning efforts at base level and seek approval by NGB through CEP. ANGR/CEP will issue a Design Instruction (DI) to initiate the plan, conduct a Criteria Review Conference with the A-E firm with key unit personnel, review and approve all proposed plan submittals.

c. A planning effort of this magnitude requires full participation by all concerned parties during each step of the process. Unit personnel must provide accurate and complete information to the planners and be actively involved in each review of the plan to ensure that unit requirements are satisfied. The planners must carefully collect information from all available sources, analyze and seek clarification of data and develop a plan that will support the programmed and probable future growth of the base.

d. The Comprehensive Plans that are approved become the basis for all decisions on the future facility development for the base and may have an impact on decisions for future missions. They become the basic planning tool to ensure the orderly development of the installation and provide future planners with the factors and rationale used in developing the plans. It provides local governments, agencies, airports and other military planners with the potential impact of our future growth on the surrounding area and may prevent encroachment by these activities. The plans also identify any need for expansion and provide the justification for the acquisition of the additional necessary real estate.

e. The Comprehensive Plan will be prepared to ensure the orderly development of the installation. They will be based on total facility deficiencies and be included in the long range air reserve forces construction program after approval by the Facility Board and NGB. For units that are tenants on a military base, approval of the host will also be obtained prior to submission of the plan to NGB. Host approval and date will be included on the revision block

of the appropriate tab. For units that are tenants on a civilian airport, coordination with the airport authority is required. Show all areas for which waivers of criteria have been granted from NGB or airfield authorities.

4-4. Contents. The Comprehensive Land Use Plans will be prepared in accordance with the current ANG standard Statement of Work. This plan will have the following tabs:

a. Tab C - Cover Sheet. This sheet will include the base name, location, installation alpha code and an index of tab contents in the Master Plan.

b. Tab A - Area/Vicinity Map. This map provides basic data for the definition and analysis of planning factors in the immediate vicinity of the installation. Scale used should be 1" = 1 mile.

c. Tab I - Installation Maps. These maps show existing facilities and aircraft. Scales to be used should be 1" = 100', 200' or 400'.

d. Tab U - Utility Plans. Show the over-all layout of existing primary utility lines and their minor appurtenances.

e. Tab P - Airfield Pavement Plan. Provide information on layout, type, and weight bearing capacities of existing airfield pavement. Scale should be 1" = 100'.

f. Tab R - Real Estate Map. Identify all existing land tracts by acreage, document number, owner, real property interest (lease, permit and license number), acquisition date and expiration date. Include survey data if available. Scale used should be 1" = 200'.

g. Tab F - Future Development Plan Tabs. These plans show existing facilities to remain, future facilities to be built, land to be acquired or declared excess and aircraft parking plan.

Tab F-I, consists of the Short Range Development Plan (SRDP) which covers up to 10 years and the Long Range Development Plan (LRDP) which covers the 25-30 year outlook. The LRDP is to be developed as the overall objective and the SRDP will be developed from it. These tabs should use a scale of 1" = 200".

4-5. Required Pages. All tabs are to be maintained for all flying bases and Combat Readiness Training Centers. The C, A, I, F, U, and R tabs are required for nonflying bases. In some instances, such as Geographically Separated Units (GSUs), the I Tab will be sufficient. All sheets submitted will be 30" x 42" in size; all units will be required to redevelop their plans on this sheet size. The U Tabs will not be submitted unless requested.

4-6. Updating. Plan Tabs will be revised as changes occur throughout each year. Changes will be made on the unit's copy of the Plan drawings showing numbered revisions, (1, 2, etc.), date, description, and initials in the appropriate revision blocks.

4-7. Annual Comprehensive Land Use Plan Submittal. Each base will forward a current blue or black line print of all tabs in the Land Use Plan to ANGR/CEP. This should be submitted by 01 Aug of each year. Include the following statement on each Tab: "Submitted on (date) , the name of installation, state and unit." Locate this statement under the title block in the lower right corner of each sheet. Do not use revision blocks to denote the submittal date, as these are intended to indicate actual changes to each drawing.

<u>TAB</u>	<u>SCALE</u>
(1) Tab U-1, Water Supply System	1 " = 100'
(2) Tab U-2, Sanitary Sewer	1 " = 100'
(3) Tab U-3, Storm Drainage System	1 " = 100'
(4) Tab U-4, Electrical Distribution System	1 " = 100'
(5) Tab U-5, Central feat Gas Systems	1 " = 100'
(6) Tab U-6, Airfield Lighting, Communication, and Navaid Systems	1 " = 100'
(7) Tab U-7, Liquid Fuel Systems	1 " = 100'
(8) Tab U-8, Lighting Systems	1 " = 100'
(9) Tab U-9, Composite Utilities	1 " = 200'

Chapter 5

AIRFIELD AND AIRSPACE CRITERIA

5-1. Applicable Criteria:

a. Federal Aviation Administration (FAA) criteria will normally be used for the airfield and adjacent areas located on civilian airports.

b. When the ANG is a tenant on a military installation, the host command is responsible for all airfield and airspace criteria.

c. At bases where the ANG is host or where the ANG has exclusive use of facilities that are within ANG controlled areas, siting and construction must be in accordance with AFR 86-14, unless approval to use other criteria or a waiver has been granted by ANGRC/CEP.

5-2. Waivers:

a. All ANG waiver requests must be coordinated with the base flying safety officer as well as the base operations officer. Waiver requests must include a letter of full and detailed justifications and a plan showing the

location of the item to be considered for a waiver.

(1) Waivers from FAA criteria are routed from the base through the Airport Authority to FAA following locally established procedures. An FAA approved site plan is sufficient for ANG records at the base.

(2) On military installations, host command maintained waivers need not be duplicated or maintained by the ANG.

(3) Where the ANG has responsibility and control of an area, requests for waivers from AFR 86-14 criteria shall be submitted to ANGRC/CEP.

b. Identification on Comprehensive Land Use Plan. Indicate the areas for which waivers have been granted on the Comprehensive Land Use Plan. When a waiver is no longer required, notify ANGRC/CEP and remove from the plan.

Chapter 6

RELOCATABLE BUILDINGS

6-1. Purpose. This chapter provides procedures concerning authorization, acquisition, leasing, programming, funding, maintenance and management of relocatable buildings proposed for use in either a normal situation or an interim facility situation. It is applicable to people inhabited relocatable building or facilities with utility hook-ups. This chapter does not cover supply purchased container without utility hook-ups. It does not apply to relocatable buildings required solely for training of engineer-type troops, building types that are part of the organizational allowance or troop unit or mobility equipment, building types which are provided as an integral part of a mobile equipment item and which are incidental portions of such equipment as shop, communications, instrument van or trailer or War Reserve Material (WRM) facilities.

6-2. Definitions:**a. Relocatable Buildings:**

(1) A building designed to be readily moved, erected, disassembled, stored and reused. All types of buildings or building forms designed to provide relocatable capabilities are included in this definition. In classifying buildings as relocatable for the purpose of this regulation, the estimated funded and unfunded costs for average building disassembly, repackaging (including normal repair and refurbishment of components) and nonrecoverable building components, including typical foundations, may not exceed 20 percent of the relocatable building acquisition cost.

(2) Excluded from this definition are building types and forms that are provided as an integral part of a mobile equipment item and that are incidental portions of such equipment components, such as communications vans, trailers, shipping containers and buildings with a price less than \$1000.

b. Interim facility. A short-term facility (normally 3 years or less) used to relieve acute area shortages caused by transitory peak military missions, deployments, military contingency operations, or disaster relief requirements. These urgent requirements are approved

pending construction of facilities via normal military construction programs.

c. Normal Facility. An intermediate term facility (Normally 3 to 10 years) used to satisfy facility requirements instead of conventional, permanent construction when the duration of the requirement is longer than 3 years. These buildings shall be accounted for as real property.

6-3. Funded and Unfunded Costs to be Included:

a. Normal Situation. Since a relocatable building substitutes for permanent structure that would otherwise be erected, all costs, including acquisition of the relocatable building, are funded costs.

b. Interim Situation:

(1) The acquisition, leasing, assembly and removal costs of relocatable structures are unfunded construction costs. Acquisition or leasing must be accomplished in accordance with FAR procurement regulations.

(2) The costs for packaging and transporting relocatable buildings used for interim requirements are unfunded project costs.

(3) The cost of maintenance, operation, disassembly and refurbishment of relocatable facilities used for interim requirements are not funded costs and will be charged IAW paragraph 6-8.

(4) Site preparation, foundations, exterior utilities and other supporting preparations are funded project costs outside the five foot limit.

6-4. Project Documentation:

a. All requests for rental or purchase require submission of DD Form 1391, prepared in accordance with attachment 5 to this regulation. All costs are to be shown on a DD Form 1391c to present a complete picture, that is, the value of the relocatable building, return-destination transportation, assembly and all other costs. For relocatable situations, the DD Form 1391 must show not only the scope, cost and estimated time period of the temporary facility, but also the project title, scope, cost and FY of action that eliminates the temporary facility requirement.

b. **Economic Analysis.** An economic analysis, performed in accordance with AFR 173-15 and AFP 178-8 on a DD Form 1391c, must substantiate the use of a relocatable building as the most economical means of satisfying a facility requirement. Compare costs of accommodating the function by a relocatable building versus other available means, such as semi-permanent construction. Leasing versus purchasing must be included in the economic analysis. When using existing government owned relocatable buildings, compare costs of transportation, assembly, etc, plus only 20 percent of the original acquisition cost of the relocatable building against other alternatives.

6-5. Authorization:

a. Interim facilities, regardless of cost, will only be authorized for those functions for which additional space or a replacement facility has been validated by ANGR/CEP.

b. Interim facilities will be authorized to satisfy scope deficiencies only if the mission cannot be performed without their use.

c. Interim facilities must be vouchered to the property records as real or personal property prior to any funds being spent, including funds for utility connections.

d. Relocatable facilities will not be authorized under USPFO project approval authorization. All requests for relocatable facilities must be approved by ANGR/CEP individually.

6-6. Duration of Use. Relocatable buildings used to satisfy relocatable facility requirements may not be retained in use for longer than 3 years from the date of original erection and first use and shall be disassembled and "removed" from the site before the expiration of the 3-year period, except:

a. When such facilities are used in support of continuing military contingency operations a fully justified extension request will be forwarded to ANGR/CEP prior to obtaining SAF/MII approval.

b. When a replacement facility has been authorized by the Congress. In this case the relocatable facility, with specific approval of SAF/MII, may be kept in use until construction of the replacement is completed.

c. When the situation changes so that the need for the relocatable facility is extended

indefinitely. To keep it in use, a construction project (either MCP or one of the available MC avenues) must be processed for approval. The new project would include, as funded costs, all costs incurred under the original relocatable facility situation project. The total funded cost determines the level of project approval, authorization and appropriation.

6-7. Funding Source:

a. Costs of acquisition, leasing, site preparation, exterior utilities, packaging, transportation, erection and related installation costs will be funded by appropriated funds (MCP or one of the available MC avenues), as determined by ANGR/CEP. Locally available FOMA funds will not be used unless specifically authorized by ANGR/CEP or as indicated in paragraph 6-7e.

b. Maintenance and operation costs will be funded from the Facilities O&M Agreement at the applicable Federal/State share ratio.

c. If a relocatable building is required to accommodate displaced activities by a project to add to, alter or replace an existing building, the construction or leased costs will be included in the construction project. In these cases the full cost of the lease during the period when the building is being altered/replaced shall be included in the cost of the construction project. This applies to construction projects programmed with either MCP or O&M appropriated funding. The cost of this facility must be included in project documents as a supporting facility and in the case of alteration projects, considered in the project life cycle cost analysis which is used to determine the advisability of alteration versus new construction.

d. If a relocatable building is required to accommodate activities displaced by a Repair or Alteration project this temporary building, either leased or constructed, will be programmed with appropriated funds. If a relocatable facility is to be leased, the lease costs will be included and identified in the repair project as a funded cost. If a relocatable facility is to be provided, it will be programmed and funded in accordance with existing policies for appropriated-fund construction projects. In this case, the repair project documents and the related relocatable facility construction documents will be clearly cross referenced.

e. If a relocatable building is required to accommodate a Change of Mission by an increase of equipment or people, the construction or leased costs will be included in the permanent construction project. In case the full cost of the use of the relocatable building cannot wait until the building to be constructed is authorized, the costs must be referenced as unfunded costs in the project documents for the permanent building. These unfunded costs will be funded from the FOMAs using 100 percent federal funds. This applies to construction projects programmed with either (MCP or O&M) appropriated funding. The cost of the relocatable building must be shown in permanent project documents as other related costs. In the case of alteration projects, the costs must also be considered in the project life cycle cost analysis which is used to determine the advisability of alteration versus new construction.

f. In classifying buildings as relocatable, for the purpose of this regulation, the estimated funded and unfunded costs for building disassembly, repackaging, non-recoverable building components including typical foundations, may not exceed 20% of the building acquisition cost.

6-8. Property:

a. Accounting. Relocatable buildings, authorized and procured using MCP or RPM funds, shall be accounted for as real property, IAW AFR 87-5. All other relocatable buildings shall be accounted for as personal property.

b. Disposition.

(1) Real Property. When relocatable buildings accounted for as real property become excess to DoD Component requirements at the erected location, they shall be redistributed or disposed of in accordance with existing real property procedures established by AFR 87-4. If alternative DoD users are not located for use of the building in place, the relocatable building shall be transferred from real property records and placed in stock. Unserviceable relocatable buildings shall be disposed of in accordance with these same procedures.

(2) Personal Property. Relocatable buildings accounted for as personal property shall, upon becoming excess to DoD Component requirements, be redistributed or disposed of in accordance with personal property procedures. Those determined to be unserviceable shall be disposed of in accordance with the same procedures.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

JOHN B. CONAWAY
Lieutenant General, USAF
Chief, National Guard Bureau

OFFICIAL

E. DARDEN BAINES
Chief
Administrative Services

SUMMARY OF CHANGES. This regulation provides detailed instruction for the preparation and submittal of the Military Construction Programs (MCP), Minor Construction Programs, and the Maintenance and Repair Programs. Major changes include the deletion of NGB Form 31 and NGB Form 41, revision of project approval authorities, procedures for the use of the ANG CETSC and modernization of ANG infrastructure through the use of Comprehensive Land Use Plans.

1. COMPONENT	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
<p style="text-align: center;">CERTIFICATE OF COMPLIANCE FOR WORK CLASSIFICATION FUNDED UNDER THE REAL PROPERTY MAINTENANCE PROGRAM</p> <p>PROJECT COST: Maintenance: Repair: Minor Construction/Alteration:</p> <p>I certify that the project described in the approved DD Form 1391 is in compliance with the work classification(s) as explained in NGB (AF) 86-1. Further, the project includes all known requirements for the building at this time and the project will provide a complete and usable facility.</p> <p>Responsible Official:</p> <p>_____ Typed Name, Position Title Signature Date</p>		

SAMPLE JOINT PARTICIPATION AGREEMENT
(Ref NGR (AF) 36-1 chp 2 for JOINT FUNDED PROJECTS)

AGREEMENT
BETWEEN
(STATE. POLITICAL SUBDIVISION)
and the
NATIONAL GUARD BUREAU
UNITED STATES PROPERTY AND FISCAL OFFICER
_____(STATE)_____

THIS AGREEMENT, made and entered into this _____ day of _____ 19__ by and between (STATE. POLITICAL SUBDIVISION). (description of state. political subdivision), hereinafter referred to as (STATE. POLITICAL SUBDIVISION), the State, and the United States Government, represented herein by the National Guard Bureau, Departments of the Army and the Air Force, acting by and through the United States Property and Fiscal Officer for _____ (STATE) _____, a contracting' officer of the United States of America, hereinafter referred to as the Government.

WITNESSETH:

WHEREAS, the United States Government supports _____
_____(name and description of projects or activity)_____
and

WHEREAS, _____(statement of conditions of project or activity and present
requirements)_____
and

WHEREAS, (THE STATE. POLITICAL SUBDIVISION) has proposed to _____(planned work
for fulfilling present requirements)_____

NOW, THEREFORE, (THE STATE. POLITICAL SUBDIVISION) and the NGB mutually agree as follows:

ARTICLE I: Location and Description of _____(work)_____ :

a. Location:

b. Description:

ARTICLE II: Responsibility for Completion of (work) :

(THE STATE, POLITICAL SUBDIVISION) shall be fully responsible for the satisfactory completion of (work) as specified in this Agreement. This includes adhering to safety codes and regulations which may apply and requiring any project contractors and subcontractors to have the following insurance coverage: (specify: for example, a design A/E will carry General Liability and Professional Liability insurance and a construction contractor will carry Comprehensive General Liability and Builder's Risk insurance) .

ARTICLE III: Funding and Payment:

a. The Government has approved (THE STATE, POLITICAL SUBDIVISION) Project Budget (Attached), subject to availability of Federal Funds.

b. The Government shall not be liable to reimburse (THE STATE, POLITICAL SUBDIVISION), for amounts in excess of the approved Project Budget. (THE STATE, POLITICAL SUBDIVISION) shall be responsible to incur costs and perform (work) under this Agreement up to the amounts stated in the approved Project Budget.

c. The Government will reimburse (THE STATE, POLITICAL SUBDIVISION) within 30 days of receipt of a statement setting forth the costs incurred by (THE STATE, POLITICAL SUBDIVISION) in furnishing the (work) under this Agreement.

d. The Government hereby identifies the billing office as:

(State)

"e. The Government shall (A) determine which (STATE, POLITICAL SUBDIVISION) costs incurred or to be incurred are allowable under the terms and conditions of the agreement, and (B) advise the (STATE, POLITICAL SUBDIVISION) of this, in writing, before it executes any contract, according to applicable DOD military construction policies and criteria.

f. The (STATE, POLITICAL SUBDIVISION) shall maintain an accounting system that is acceptable to the Federal Government. This system also shall cover both the construction work and the subsequent maintenance and operation of those facilities supported with federal contributions; including those facilities to be used jointly by other Reserve Components."

ARTICLE IV: (Completion/Performance) Date:

It is understood and agreed that the project (work) described in this Agreement is to (completed/performed) by (date), subject to availability of Federal Funds.

ARTICLE V: Assurances and Certifications:

The (STATE, POLITICAL SUBDIVISION) assures and certifies that:

1. It has the legal authority and necessary funds to accomplish its share of the project.
2. It has a perfected title to, or other adequate property interest in, acceptable real estate located in an area where local laws and ordinances will permit its intended use.
3. The agreement is legal and binding and that its execution is duly authorized."
4. It will comply with Title VI of the Civil Rights Act of 1964 (PL 88-352).
5. All plans, specifications, and cost estimates shall be approved by the Federal Government.
6. It will operate and maintain the facility in accordance with the minimum standards as may be required or prescribed by the applicable Federal, State, and local agencies for the maintenance and operation of such facilities.
7. It will cause work on the project to be commenced within a reasonable time after receipt of notification from the Government that funds have been approved and that the project will be prosecuted to completion with reasonable diligence.
8. It will not dispose of or encumber its title or other interests in the site and facilities during the period of Federal interest.

OPTIONAL When appropriate, (THE STATE, POLITICAL SUBDIVISION) will require the facility to be designed to comply with the "American Standard Specifications for Making Buildings and Facilities Accessible To, and Usable by the Physically Handicapped, "Number A117.1-1961, as modified (41 CFR 101-1906), unless such facility is exempt from compliance. The (STATE, POLITICAL SUBDIVISIONS) will be responsible for conducting inspections to ensure compliance with these specifications by the contractor.

OPTIONAL When appropriate, (THE STATE, POLITICAL SUBDIVISION) will obtain approval from the NGB of the final working drawings and specification before the project is advertised or placed on the market for bidding; will construct the project, or cause it to be constructed, to final completion in accordance with the approved plans and specifications; will submit to the NGB for approval, changes that alter the costs of the project, use of space, or function(s) for the project or undertake other activities until the conditions of the construction program have been met.

OPTIONAL When appropriate, (THE STATE, POLITICAL SUBDIVISION) will provide and maintain competent and adequate architectural engineering supervision and inspection at the construction site to ensure that the completed work conforms with the approved plans and specifications; that it will furnish progress reports and such other information as the NGB may require.

ARTICLE VI: Requirements for (THE STATE, POLITICAL SUBDIVISION) Contracts Funded by This Agreement:

a. When a project is done by state contract, the contract shall be let in accordance with the laws of that state, and under the provisions of federal rules and regulations that apply.

b. Action by the USPFO under the Payment Provisions of this Agreement constitutes approval as an authorized charge against the Agreement, provided; however, that the (STATE, POLITICAL SUBDIVISION) shall notify the USPFO reasonably in advance of entering into (STATE, POLITICAL SUBDIVISION) any contract which exceeds \$100,000. Such notification shall include the following:

- (1) Description of (work) ;
- (2) Identification of proposed contractor and description of how selection was made;
- (3) Proposed contract price;
- (4) Contract cost or pricing data, if required.

ARTICLE VII: Termination:

a. The Government may terminate this Agreement, in whole or part, at any time if (STATE, POLITICAL SUBDIVISION) fails to comply with the terms or conditions of the Agreement. The Government shall provide such notice of termination in writing, stating the reasons for the termination and the effective date thereof. If this Agreement is terminated for cause, (STATE, POLITICAL SUBDIVISION) shall be liable to pay the Government any monies received from the Government pursuant to this Agreement;

b. This Agreement may be terminated upon the mutual agreement of the Government and (STATE, POLITICAL SUBDIVISION) that continuation of the project will not produce beneficial results commensurate with the further expenditure of funds.

c. The Government may terminate this Agreement at any time. At such termination, the Government shall reimburse the (STATE, POLITICAL SUBDIVISION) for all costs and expenses incurred by (STATE, POLITICAL SUBDIVISION) for the benefit of the federal government that have not already been reimbursed.

ARTICLE VIII: Waiver of Claims:

The parties waive all claims against the other for compensation for damage or loss of property or personal injury or death arising out of the performance of this Agreement. Liability for claims by third parties for damage or loss of personal property or personal injury or death shall be determined in accordance with applicable law.

ARTICLE IX: Amendment:

a. Any changes in the (work) to be furnished under this Agreement shall be formalized by an appropriate written amendment to this Agreement which shall set out in detail the exact nature of the changes.

b. No additional funds will be made available for additional (work) unless reduced to writing and approved by the National Guard Bureau or its designated representatives.

ARTICLE X: Approval:

This Agreement and any amendments shall be subject to the approval of the Chief, National Guard Bureau, or his authorized representative, and shall not be binding upon the parties hereto unless and until so approved. (STATE, POLITICAL SUBDIVISION) shall not be required to commence work until such approval is obtained by the NGB and furnished to (STATE, POLITICAL SUBDIVISION).

Accordingly, (STATE, POLITICAL SUBDIVISION) and the Government mutually promise and agree to undertake the project or service covered by this Agreement under the conditions herein provided.

(STATE, POLITICAL SUBDIVISION)

By: _____

DATE

NAME

WITNESS

TITLE

WITNESS

THE UNITED STATES OF AMERICA

By _____

DATE

(NAME) _____

(RANK), NGB _____

USP&FO (STATE) _____

This _____ day of _____, 19 ____.

APPROVED FOR THE CHIEF, NATIONAL GUARD BUREAU

THIS _____ DAY OF _____, 19 ____.

PROJECT BUDGET

The (STATE, POLITICAL SUBDIVISION) shall furnish the supplies and services necessary for the installation of a _____ (at a cost not to exceed the below listed summary) (concurrent with the project, Reconstruct Runway _____).

COST ESTIMATE

<u>Description of Work</u>	<u>Estimated Cost(\$000)</u>		
	*ANG	*CITY	*TOTAL
Design			
Type "A" Services - Preliminary Investigation	1.5	2.0	3.5
Type "B" Services - Design, Drafting & Specifications	4.1	10.0	14.1
Reproductions	<u>.1</u>	<u>.1</u>	<u>.2</u>
TOTAL	6.7	12.1	17.8
Construction	40.0	80.0	120.0
Inspection (Type "C" Services)	5.0	15.0	20.0

* NOTE: The fund sources should all be named ie. FAA, County, State etc. when the agreement is based on a percentage basis. Use the ANG column only when there is to be a maximum cost or fixed cost to ANG.

(OPTIONAL) The final acceptance and approval of the project work will be conducted jointly by representatives of the ANG and the (STATE, POLITICAL SUBDIVISION) airport authority.

SAMPLE AGREEMENT
(REF NGR (AF) 86-1 Chp 2 FOR ANG CONSTRUCTION ON AIRPORT PROPERTY)

0383x

AIRFIELD(PAVEMENT), DESIGN & CONSTRUCTION AGREEMENT
BETWEEN
(STATE, POLITICAL SUBDIVISION)

and the
NATIONAL GUARD BUREAU
UNITED STATES PROPERTY AND FISCAL OFFICER

_____ (STATE) _____

THIS AGREEMENT, made and entered into this _____ day of _____ 19____ by and between (STATE, POLITICAL SUBDIVISION), (description of state, political subdivision), hereinafter referred to as (STATE, POLITICAL SUBDIVISION), the State, and the United States Government, represented herein by the National Guard Bureau, Departments of the Army and Air Force, acting by and through the United States Property and Fiscal Officer for (STATE), a contracting officer of the United States of America, hereinafter referred to as the NGB or the Federal Government.

W I T N E S S E T H:

WHEREAS, the (STATE, POLITICAL SUBDIVISION) owns and operates an airport and landing field known as _____ Municipal Airport, located _____; and

WHEREAS, the GOVERNMENT in past years has supported and still does support through airport leases, licences, and use agreements at the airport an Air National Guard unit now known as the _____ assigned to the _____, United States Air Force, and has made a considerable capital investment in such airport with respect to construction and rehabilitation of runways, buildings, and ancillary facilities; and

WHEREAS, the airfield (pavements) at the _____ Airport, which are (jointly) used by (both civilian and) military aircraft, is in need of major repair to prevent potential accidents and to protect the capital investments made heretofore and hereafter; and

WHEREAS, the (STATE, POLITICAL SUBDIVISION) is willing to make available to the GOVERNMENT such airfield (pavements) and appurtenances to the extent required for the design and construction of the project.

THE (STATE, POLITICAL SUBDIVISION) AGREES:

1. And warrants that it has notified and received approval of the work to be accomplished on the airfield from the Federal Aviation Agency for such project, subject to availability of GOVERNMENT personnel and equipment for completion.

2. That it will grant GOVERNMENT personnel and equipment access to the airfield during the investigation and design and construction phases.

3. That it will furnish or grant access for design of said construction project all available plans and specifications of the subject airfield construction area as may be required by the GOVERNMENT.

4. That it will grant a construction easement to the GOVERNMENT to (const desc) during CY() for a period of about () days.

THE GOVERNMENT AGREES:

1. And warrants that it has programmed and budgeted from funds administered or to be administered by the National Guard Bureau the sum of money required for federal financial participation (49 USC 2210(a)(b)) in the design and construction of the project, subject to the availability of federal appropriations.

2. That it will follow the established safety procedures which are in effect at the airport.

THE PARTIES MUTUALLY AGREE:

1 The parties waive all claims against the other for compensation for damage or loss of property or personal injury or death arising out of the performance of this Agreement. Liability for claims by third parties for damage or loss of personal property or personal injury or death shall be determined in accordance with applicable law.

2. That all correspondence or supplemental documents pertaining to this Agreement addressed to either party from the other, shall be accompanied by sufficient number of copies for retention by each of the following offices, hereby agreed to be included in the channel of communications:

- (a) The USPFO for the State of _____
- (b) NGB/DEI, Andrews AFB, MD
- (c) Manager, _____, Airport _____

3. Locations and description of work:

(a) Location:

(b) Description:

4. The final acceptance and approval of the project work will be conducted jointly by representatives of the ANG and the (STATE, POLITICAL SUBDIVISION) airport authority.

Accordingly, (STATE, POLITICAL SUBDIVISION) airport authority and the Government mutually promise and agree to undertake the project or service covered by this Agreement under the conditions herein provided.

(STATE, POLITICAL SUBDIVISION)

By: _____

NAME

TITLE

DATE

WITNESS

WITNESS

THE UNITED STATES OF AMERICA

By _____

_____ DATE

(NAME) _____

(RANK), NGB _____

USP&FO (STATE) _____

This _____ day of _____, 19 ____.

APPROVED FOR THE CHIEF, NATIONAL GUARD BUREAU

THIS _____ DAY OF _____, 19 ____.

Attachment:
Project Budget

PROJECT BUDGET

The (GOVERNMENT) shall furnish the supplies and services necessary for the installation of a _____ .

COST ESTIMATE

<u>Description of Work</u>	<u>Estimated Cost</u>
Design	
Type "A" Services - Preliminary Investigation	\$3,445.00
Type "B" Services - Design, Drafting & Specifications	\$14,040.00
Reproductions	<u>\$120.00</u>
TOTAL	\$17,605.00
Construction	\$260,000.00
Inspection (Type "C" Services)	\$19,195.00

INSTRUCTION FOR PREPARATION OF
DD FORM 1390s
"FY 19__ GUARD AND RESERVE FORCES MILITARY CONSTRUCTION"

The DD Form 1390s/1 and 1390s/2 are used as supporting documentation for the MILCON submission to OSD and Congress.

ITEM 1 - COMPONENT: Enter ANG.

ITEM 2 - DATE: When prepared.

ITEM 3 - INSTALLATION AND LOCATION: For facilities not located at military installations or commercial airfields, enter the name of the city and state in which the projects are located. For other facilities, enter the name of the installation and its geographical location to the extent that it is not included in the installation name.

ITEM 4 - AREA CONSTRUCTION COST INDEX: Leave blank. To be filled in by ANGR/CEP.

ITEM 5 - FREQUENCY AND TYPE OF UTILIZATION: Enter the type of utilization (e.g., weekend drill, week night drill, unit training activities, annual active duty for training, etc.) and indicate number of days the installation is used per month/year, as appropriate.

ITEM 6 - OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS: Using appropriate abbreviations, enter names, locations, and distances of other military installations within 25 miles of the proposed project(s) excluding those being replaced by the proposed project(s). In large metropolitan areas where there are numerous military installations, a statement such as "3 Army National Guard Armories" may be used.

ITEM 7 - PROJECTS REQUESTED IN THIS PROGRAM: Leave blank. To be filled in by ANGR/CEP.

Second Column - PROJECT TITLE: Enter the shortest title possible to correctly describe the project consistent with Item 4 of the DD Form 1391 for the project.

Third Column - SCOPE: Enter the quantity requested for the primary facility as shown in ITEM 9 - "COST ESTIMATES" of DD Form 1391, "FY 19__ Military Construction Project Data". In cases where it may be impossible to satisfactorily identify a specific quantity, enter "LS" for lump sum.

Fourth Column - COST (\$000): Enter the estimated cost to the nearest thousand dollars consistent with Item 8 of DD Form 1391 for the project. In the case of joint financing projects where part of the financing is from other Federal sources, enter the total ANG cost.

Fifth and Sixth Columns - DESIGN STATUS: Enter the most accurate possible dates for the start and completion of design using numerals (e.g., 7/76, 11/77, etc.).

ITEM 8 - STATE/GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATIONS (DATE): Enter a brief indication of the Board's recommendation as to the proposed project(s) and show date of meeting within the last 12 months at which the recommendation was acted upon.

ITEM 9 - LAND ACQUISITION REQUIRED (NUMBER OF ACRES): Enter the acreage required for the project(s) and the method of acquisition (e.g., fee, title, donation, lease, etc.). For all projects involving Land Acquisition, a site survey must be conducted in accordance with DOD Directive 1225.5 and the following statement must be entered, either in Item 9 or Item 10. "Site survey has been completed and the site is suitable for constructing the proposed project at the estimated cost indicated." If no acquisition is required, state: "No acquisition is required".

ITEM 10 - PROJECTS PLANNED IN NEXT FOUR YEARS: Leave blank. To be filled in by ANGRC/CEP.

ITEM 11 - PERSONNEL STRENGTH AS OF ____: In the appropriate columns, enter the number of authorized and actual personnel at this installation, six (6) months prior to project submission.

ITEM 12 - RESERVE UNIT DATA: List the designated units assigned and/or scheduled to be trained. Enter the corresponding "authorized" and "actual" strengths of each unit, indicating "actual strength" as of the date listed in Item 11. Insure that the totals shown are the same as those under Guard/Reserve totals in Item 11.

ITEM 13 - MAJOR EQUIPMENT AND AIRCRAFT: List the vehicular and/or other large equipment and aircraft which are to be accommodated at the installation and which have a bearing on the type and/or scope of the facility requirement. When Vehicle Maintenance Shops are being requested, the Vehicle Equivalent (VE) for the vehicles to be maintained, will be included in this item. See the attachment for the completed DD Form 1390s/1 and 1390s/2.

INSTRUCTION FOR PREPARATION OF
DD FORM 1390s
"FY 19__ GUARD AND RESERVE FORCES MILITARY CONSTRUCTION"

The DD Form 1390S/1 and 1390S/2 is used as supporting documentation for the MILCON submission to OSD and Congress.

ITEM 1 - COMPONENT: Enter ANG.

ITEM 2 - DATE: When prepared.

ITEM 3 - INSTALLATION AND LOCATION: For facilities not located at military installations or commercial airfields, enter the name of the city and state in which the projects are located. For other facilities, enter the name of the installation and its geographical location to the extent that it is not included in the installation name.

ITEM 4 - AREA CONSTRUCTION COST INDEX: Leave blank. To be filled in by DEP.

ITEM 5 - FREQUENCY AND TYPE OF UTILIZATION: Enter the type of utilization (e.g., weekend drill, week night drill, unit training activities, annual active duty for training, etc.) and indicate number of days the installation is used per month/year, as appropriate.

ITEM 6 - OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS: Using appropriate abbreviations, enter names, locations, and distances of other military installations within 25 miles of the proposed project(s), excluding those being replaced by the proposed projects(s). In large metropolitan areas where there are numerous military installations, a statement such as "3 Army National Guard armories" may be used.

ITEM 7 - PROJECTS REQUESTED IN THIS PROGRAM: Place in alphabetical order:
First column - CATEGORY CODE: Enter the applicable category code using no less than three nor more than six digits consistent with the category code shown in Item 6 of the DD Form 1391.

Second column - PROJECT TITLE: Enter the shortest title possible to correctly describe the project consistent with Item 4 of the DD Form 1391 for the project.

Third Column - SCOPE: Enter the quantity requested for the primary facility as shown in ITEM 9 - "COST ESTIMATES" of DD Form 1391, "FY 19__ Military Construction Project Data." In cases where it may be impossible to satisfactorily identify a specific quantity, enter "LS" for lump sum.

Fourth Column - COST (\$000): Enter the estimated cost to the nearest thousand dollars consistent with Item 8 of DD Form 1391 for the project. In the case of Joint financing projects where part of the financing is from other Federal sources, enter the Total ANG cost.

Fifth and Sixth Columns - DESIGN STATUS: Enter the most accurate possible dates for the start and completion of design using numerals (e.g., 7/76, 11/77, etc.).

ITEM 8 - STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATIONS (DATE): Enter a brief indication of the Board's recommendation as to the proposed project(s) and show date of meeting within the last 12 months at which the recommendation was acted upon.

ITEM 9 - LAND ACQUISITION REQUIRED (Number of Acres): Enter the acreage required for the project(s) and the method of acquisition (e.g., fee, title, donation, lease, etc.). For all projects involving Land Acquisition, a site survey must be conducted in accordance with DoD Directive 1225.5 and the following statement must be entered, either in Item 9 or Item 10. "Site survey has been completed and the site is suitable for constructing the proposed project at the estimated cost indicated." If no acquisition is required, state "No acquisition is required".

ITEM 10 - PROJECTS PLANNED IN NEXT FOUR YEARS: Enter in alphabetical order the Project Title and Estimated Cost in thousands of dollars for projects planned at the installation identified in ITEM 3, for the next four years beyond this program year. A maximum of five projects should be identified. If none are planned, so indicate. Items shall contain columnar data comparable to that provided in ITEM 7 with the exception of design status which should be left blank.

ITEM 11 - PERSONNEL STRENGTH AS OF ____: In the appropriate columns, enter the number of authorized and actual personnel at this installation, six (6) months prior to project submission.

ITEM 12 - RESERVE UNIT DATA: List the designated units assigned and/or scheduled to be trained. Enter the corresponding "authorized" and "actual" strengths of each unit, indicating "actual strength" as of the date listed in ITEM 11.

ITEM 13 - MAJOR EQUIPMENT AND AIRCRAFT: List the vehicular and/or other large equipment and aircraft which are to be accommodated at the installation and which have a bearing on the type and/or scope of the facility requirement. When vehicle maintenance shops are being requested, the Vehicle equivalents (VE) for the vehicles to be maintained, will be included in this item. See the attachment for the completed DD Form 1390S/1 and 1390S/2.

1. COMPONENT ANG	FY 1993 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE OCT 91
3. INSTALLATION AND LOCATION		4. AREA CONSTR COST INDEX 1.00	
5. FREQUENCY AND TYPE OF UTILIZATION Four unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Naval Reserve Center, 1 Army Reserve Unit, 1 Army National Guard Armory, 1 Air Force Reserve Unit and 1 Active Air Force Base			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 93			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000) DESIGN STATUS START Cmpl
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			10 MAY 90 (Date)
9. LAND ACQUISITION REQUIRED	None		(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
124-135	JET FUEL STORAGE COMPLEX	20,000 BL	6,700
124-135	REMOVE UNDERGROUND STORAGE TANKS	7 EA	385
131-111	ADD TO AND ALTER COMMUNICATIONS FACILITY	9,000 SF	870
216-642	COMPOSITE MUNITIONS/WEAPONS RELEASE COMPLEX	36,400 SF	5,500
218-712	ADD TO AND ALTER BLDG 32 FOR AGE	10,000 SF	600
442-758	UPGRADE SUPPLY AND VEHICLE MAINTENANCE FACILITY	71,900 SF	1,900
722-351	ALTER DINING FACILITY	15,800 SF	1,800

1. COMPONENT ANG	FY 1993 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE OCT 91	
3. INSTALLATION AND LOCATION						
11. PERSONNEL STRENGTH AS OF 31 MAY 90						
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	855	85	690	80	1,575	162 1,413
ACTUAL	816	80	666	70	1,554	149 1,405
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
	148 TFT SQ	27		28		
	152 TFG SQ	22		20		
	162 CEG SQ	148		154		
	162 CLM SQ	782		757		
	162 CMN FT	21		21		
	162 MSQ FT	54		58		
	162 MSQ SQ	98		113		
	162 RMS SQ	159		150		
	162 TCI CI	73		71		
	162 TFG GP	113		97		
	162 SVS FT	43		44		
	195 TFT SQ	35		41		
	TOTALS	1,575		1,554		
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	A-7 D/K Aircraft	24		24		
	F-16 A/B Aircraft	18		20		
	F-16 A/B Aircraft	10		11		
	C-130 Aircraft	1		1		
	Support Equipment	289		261		
	Vehicle Equivalents	376		446		

INSTRUCTION FOR PREPARATION OF
DD FORM 1391
"FY__ MILITARY CONSTRUCTION PROJECT DATA"

The DD Form 1391 is used, as applicable, to support each project proposed for inclusion in the Facility Programs (MILCON and RPMA). This includes both new authorization projects in the program as well as urgent unforeseen projects using emergency or contingency authorization. This form will also be used to transmit supporting data for the following types of projects:

- a. Military Construction Program.
- b. Unspecified Urgent Minor Construction Projects
- c. Maintenance, Repair, and Minor Construction projects using O&M funds.

The continuation sheet (DD Form 1391c) will be used as required for explanation of the requirement for the project (Item 11) and other mandatory statements concerning Flood Control Evaluation, Environmental Impact, Accessibility to the Handicapped, Fallout Shelters, etc. However, when submitting an annual Military Construction Program, these mandatory statements may be included in the front of the Project Book if applicable to all projects in the program.

Instructions for preparation of DD Form 1391 are outlined below:

ITEMS 1 and 2 - COMPONENT and DATE: Enter ANG and date prepared.

ITEM 3 - INSTALLATION AND LOCATION: Enter the official name of the installation. Use code name or designations only when necessary to preclude security classification or when an official name is not available. Enter the name of the State if within the United States or the name of country or island chain if outside the United States. Enter the city and state if the facility is not to be constructed on a military installation.

ITEM 4 - PROJECT TITLE: Enter the title used in Item 7, Column 2 of DD Form 1390, assuring that it corresponds to the category code in Item 6.

a. Except for new construction, the type of work, such as "Maintenance," "Repair," "Addition," "Alteration," or "Modernization" shall be used in the title.

b. Where a single structure is to serve more than one purpose, the title should reflect the predominate use.

c. The scope of a project or number of buildings involved will not be shown in the title, i.e., "Alter Medical Training Facility" project will not be shown as "Alter Bldgs 250 & 251 for Med Trng"

d. Avoid the inclusion of acronyms.

e. If a project requires land acquisition estimated to cost in excess of \$50,000, the project title will be suffixed with "With Land Acquisition". Land to be acquired for the construction of several projects or for other purposes shall be programmed as a separate project and identified on a separate DD Form 1391.

ITEM 5 - PROGRAM ELEMENT: For ANG projects use 55294F or 56256F for environmental projects.

ITEM 6 - CATEGORY CODE: Enter the applicable category code using no less than three nor more than six digits consistent with Item 7, Column 1 on DD Form 1390.

ITEM 7 - PROJECT NUMBER: Enter the number of the project assigned by the NGB for MILCON and the base for RPM projects. If no number has been assigned for MILCON, leave blank.

ITEM 8 - PROJECT COST: Enter the estimated cost in thousands of dollars for which funding is being requested. The amount indicated should be identical to that shown in Item 7, Column 4 of the DD Form 1390 and should include the costs of the primary facilities, supporting facilities, contingencies, supervision, inspection and overhead. Figure will be the Total Request entered in Item 9 and will not include the figure entered for "Equipment Provided from Other Appropriations." In the case of jointly funded projects list actual costs ie. ANG \$1,200/AFRES \$2,400.

ITEM 9 - COST ESTIMATES: This portion of the DD Form 1391 is comprised of several elements which collectively comprise the Total Request. Each element will be identified, quantified, and costed in a series of five column entries as follows:

Item: Identify of the Primary or Supporting Facilities, etc., as described in Item 9, line 1.

U/M (Unit of Measure): Each entry in the "Item" column will be followed in the "U/M" column by the accepted two-character abbreviation for the unit of measure associated with the quantity of the item concerned (e.g., SF, SY, LF, KV, etc.) Where it is not feasible to show a specific unit of measure, use LS (Lump Sum).

Quantity: Enter the required number of units of measure comprising the "item" entry. Where "LS" is the unit of measure, leave blank.

Unit Cost: Enter the appropriate unit cost for each "Item" entry where a unit of measure is indicated. Where the unit of measure is "LS" leave blank.

Cost (\$000):

a. Enter the cost, in thousands of dollars, represented by the product of the "Quantity" and "Unit Cost" entries or the "LS" cost associated with the item..

b. When a single primary facility is listed enter the cost of the facility without parentheses. If unusual features or functional areas of the primary facility are listed, the cost of each shall be enclosed with parentheses. The sum total cost of these features shall equal the figure entered for the primary facility.

c. When more than one primary facility is listed, the cost of each facility will be entered in the cost column without parentheses.

d. The cost entry for the item "Supporting Facilities" shall be entered without parentheses and shall be the total of the various supporting facilities listed. However, each of the individual supporting facility costs shall be enclosed by parentheses.

e. The cost entered for items such as "Subtotal," "Contingency," "Contract Cost," "SIOH," and "Total Request" shall be entered without parentheses. However, the cost for "Equipment Provided from Other Appropriations" shall be entered as a non-add item.

f. Rounding Rules:

Programmed Amount (\$000)	Round to nearest (\$000)
\$1 - 999	\$10
\$1,000 - 4,999	\$50
\$5,000 - 9,999	\$100
\$10,000 - 14,999	\$200
\$15,000 - 19,999	\$500
\$20,000 +	\$1000
 Unit Cost	
\$0.01 - 19.99	\$0.10
\$20.00 - 49.99	\$0.50
\$50.00 - 99.99	\$1.00
\$100.00 +	\$10.00
 Scope (SF/SY)	
1 - 5000	50
5001 - 50,000	100
50,001 +	500

PRIMARY FACILITY: Enter the identity and required columnar data for the primary facility. When the primary facility consists of two or more components, the cost of the primary facility will be the sum of the costs of the individual components. In addition, subordinate components will be entered under the primary facility after indenting two spaces. Normally, the cost of fixed equipment provided as part of the construction contract (e.g., cooling, heating, and electrical systems, etc.) will be included in the cost of the primary facility. However, when the primary facility includes unusual features of significant cost, such features should be identified under the primary facility. Land acquisition required specifically for the project and estimated to cost \$50,000 or more shall be listed in the same manner as an unusual feature.

SUPPORTING FACILITIES: List those items of construction directly related to and required for the support of the primary facility. Such items should include: (1) special construction features (piles, spread footings, seismic, fill, etc.); (2) utilities (gas, oil, steam, electric, and water supply lines as well as sanitary and storm sewers); (3) site preparation; (4) roads, sidewalks and parking; (5) site improvements (seeding, sodding, landscaping, etc.); (6) fencing; and (7) demolition (8) Asbestos removal. All supporting facility items should be listed in terms of accepted units of measure and quantity whenever applicable.

SUBTOTAL: Enter the sum of the costs shown for all primary and supporting facilities.

CONTINGENCY: Enter the appropriate contingency rate, in parentheses, immediately following the item designation in column 1, and enter the cost equivalent in the proper column. While the normal contingency rate is 5 percent, contingency rates may vary with unusual conditions. Therefore, rates in excess of the following shall be adequately justified. For contingencies use 5% for new construction, alterations and M & R.

TOTAL CONTRACT COST: Enter the sum of the "Subtotal" and the "Contingency" costs. In the case of joint funded projects, projects which are funded, in part, from other than ANG funds, enter the ANG cost on the first line and the other cost on the next line below.

SUPERVISION, INSPECTION & OVERHEAD (SIOH): Enter the appropriate SIOH rate in column 1 after the item designation and reflect the cost equivalent in the proper column. Normal SIOH rate is 5%, rates in excess of 5% must be justified.

TOTAL REQUEST: Enter the sum of the "Total Contract Cost" and the "SIOH".

TOTAL REQUEST ROUNDED: This figure should be identical to the entry in Item 8, "Project Cost (\$000)."

EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS: Enter the total cost of equipment which is procured with other than Military Construction funds and which is essential to the mission of the facility. DD Form 1391 should reflect only the cost of equipment identified in the Associated Equipment Report. If no such major equipment is associated with the project, leave blank. Note that this figure is not included in the "Total Request" above. This excluded minor items procured with O&M funds such as fire extinguishers.

ITEM 10 - DESCRIPTION OF PROPOSED CONSTRUCTION:

a. In a clear and concise manner, provide a complete outline of all principal features of the work and its correlation with the various data entered in Item 9.

b. Begin with an accurate description of the primary facility. For buildings, indicate the materials planned to be used for the frame, walls, roof, and foundations, and identify the major functions for which space is being provided. For structures other than buildings, describe each major element required to produce a complete and useable facility. Avoid the use of generalities such as "most economical means" or "modern methods and materials."

c. Provide only such additional descriptive details as are necessary for clarity.

d. List the number of buildings/structures to be demolished or the planned status of the facility being vacated in connection with the proposed construction .

e. For projects involving additions, alterations, or conversions, describe the changes to be made.

f. As the last entry in Item 10, indicate the amount of air conditioning required (e.g., AIR CONDITIONING: 15 Tons).

ITEM 11: REQUIREMENT: This portion of the DD Form 1391 is comprised of five elements which are to be set forth in the following format:

a. Immediately after the Item title "Requirement," indicate, in appropriate units of measure, the total facility requirement (e.g., 21,900 SF), followed by two additional entries giving the status of the existing facility e.g., REQUIREMENT: 21,900 SF;; ADEQUATE: 7,900 SF;; SUBSTANDARD: 0;; then the construction requirement would be 14,000 SF.

b. PROJECT: Provide a one sentence statement indicating what this project provides. Add in parenthesis: "New Mission" or "Current Mission" as applicable. Not more than three lines.

c. REQUIREMENT: This section provides the military necessity for the project. Do not describe existing situation. Provide detailed, informative statements as to precisely why the project is needed. Use positive statements to support the requirement and avoid the use of such words as "inadequate," "uneconomical," and "necessary" unless they are fully explained. Similarly, when identifying contributing factors, assure that the presentation leave no pertinent questions unanswered (e.g., mission change, personnel change, or functional change). The requirement must establish maximum utilization of the existing facilities and identify alternatives considered, along with reasons for their rejection. Not more than five lines.

d. CURRENT SITUATION: Describe how and under what conditions the requirement is presently being met. Comments should support the mission requirement and include the identity and description of current assets as well as the reason they are considered unsuitable for continued use, e.g., excessive maintenance (show cost comparison); self-liquidation (show amortization); or advanced deterioration (describe effects). Projects which are to replace existing facilities should identify and describe these facilities conditions and deficiencies and indicate disposition to be made of them. This is the most important block that shows the mission degradation and sells the project.

e. IMPACT IF NOT PROVIDED: Describe the manner and extent to which mission accomplishment would be affected if the project were not approved.

f. ADDITIONAL: If the project is justified on an economic basis (primary economic analysis), so state and indicate the projected pay-back period. When providing supporting documentation for the OSD budget submission, enter appropriate statements as required by applicable DoD instructions. Entry of this information on the DD 1391 or on a separate DD 1391c is optional. For RPM repair projects in excess of \$100,000, compute the ratio of repair project cost (including overhead, contingency and profit) to the current facility replacement cost, expressed as a percentage.

NOTE: Space requirement of Item 10 and 11 will vary. Therefore, remaining space on the DD 1391 may be used as necessary for the specific entries and continued on a DD 1391c as appropriate. A solid black line should be used to set Items 10 and 11 apart and individual item titles and subheadlines should be added.

1. COMPONENT ANG		FY MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE ADD TO AND ALTER AVIONICS AND ECM SHOP		
5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 217-712	7. PROJECT NUMBER	8. PROJECT COST(\$000) \$1,150		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER AVIONICS AND ECM SHOP		SF	16,700		987
ALTER AVIONICS SHOP		SF	9,600	55	(528)
ADD AVIONICS SHOP		SF	3,100	90	(279)
ALTER ECM POD SHOP & STORAGE		SF	4,000	45	(180)
SUPPORTING FACILITIES					50
UTILITIES		LS			(30)
PAVEMENTS		LS			(10)
SITE IMPROVEMENTS		LS			(10)
SUBTOTAL					1,037
CONTINGENCY (5%)					52
TOTAL CONTRACT COST					1,089
SUPERVISION, INSPECTION AND OVERHEAD (5%)					54
TOTAL REQUEST					1,143
TOTAL REQUEST (ROUNDED)					1,150
10. Description of Proposed Construction: Concrete foundation and floor slab, masonry walls or concrete panel walls on steel frame and modification of existing mechanical and electrical systems. Addition to match existing facility. All utilities and support. <u>Air Conditioning: 40 Tons.</u>					
11. REQUIREMENT: 16,700 SF ADEQUATE: 0 SUBSTANDARD: 13,600 SF PROJECT: Add to and Alter an Avionics and ECM Shop (New Mission). <u>REQUIREMENT:</u> The base requires a properly designed and configured facility to provide avionics maintenance for the A-7 replacement aircraft, and maintenance and storage of ECM pods. <u>CURRENT SITUATION:</u> Existing avionics and ECM Pod shop for the A-7 aircraft will not accommodate new aircraft automatic test equipment, electrical standards set and avionics flight line shops without major alterations. Existing floor space is limited and poorly configured. Some of the significant limitations include environmental control system, insufficient power distribution system to meet automatic test equipment requirements. <u>IMPACT IF NOT PROVIDED:</u> Failure to provide an adequate avionics and ECM pod shop facility will directly impact the new conversion aircraft. Unable to maintain and store the avionics and ECM equipment. Unable to reach full operational capability.					

1. COMPONENT ANG	FY MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE COMPOSITE SUPPORT FACILITY			
5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 171-450	7. PROJECT NUMBER	8. PROJECT COST(\$000) \$2,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMPOSITE SUPPORT FACILITY		SF	24,200		2,045
MEDICAL TRAINING		SF	9,800	90	(882)
INFORMATION SYSTEMS		SF	7,000	80	(560)
SECURITY POLICE		SF	5,300	80	(424)
COMPTROLLER		SF	2,100	85	(179)
SUPPORTING FACILITIES					315
PAVEMENTS		LS			(40)
UTILITIES AND SITE IMPROVEMENTS		LS			(100)
DEMOLITION/ASBESTOS REMOVAL		LS			(50)
PREWIRED WORK STATIONS		LS			(125)
SUBTOTAL					2,360
CONTINGENCY (5%)					118
TOTAL CONTRACT COST					2,478
SUPERVISION, INSPECTION AND OVERHEAD (5%)					124
TOTAL REQUEST					2,602
TOTAL REQUEST (ROUNDED)					2,600
10. Description of Proposed Construction: Concrete foundations and floors, masonry and metal insulated panel walls, structural steel framing with built-up roof and all necessary utilities and support. Disposal of 13,839 SF in seven buildings. <u>Air Conditioning: 100 Tons.</u>					
11. REQUIREMENT: 24,200 SF ADEQUATE: 0 SUBSTANDARD: 7,700 SF <u>PROJECT:</u> Composite Support Facility (Current Mission). <u>REQUIREMENT:</u> The base requires a correctly sized and properly configured facility to properly support the training requirements of the following functions: Medical, Communications, Security Police and Base Comptroller. <u>CURRENT SITUATION:</u> The base has several facilities that have received no major upgrades and do not meet requirements for Medical, Security Police, Communications and Base Comptroller. There is insufficient training space in all functional areas. The functions are carried out in multiple locations, making training extremely difficult. Medical Training has 5,500 SF and is authorized 9,800 SF. The Ops and Training functions have 20,775 SF in five buildings and authorized 21,000 SF. This project will consolidate numerous functions into one building allowing some of vacated facilities to be used to resolve shortages in Squadron Operations and Ops and Training. These two areas are critically short of space as the base converts from A-7 to F-16. Buildings 22, 31, 45, 48 and 57 for a total of 5,577 SF will be demolished. Buildings 61 and 70 for a total of 8,262 SF will be transferred to ARNG/State functions and will be removed from ANG records. <u>IMPACT IF NOT PROVIDED:</u> Rudimentary, overcrowded and inadequate facilities. Continued use of existing facilities will degrade the overall mission, training, retention and morale.					

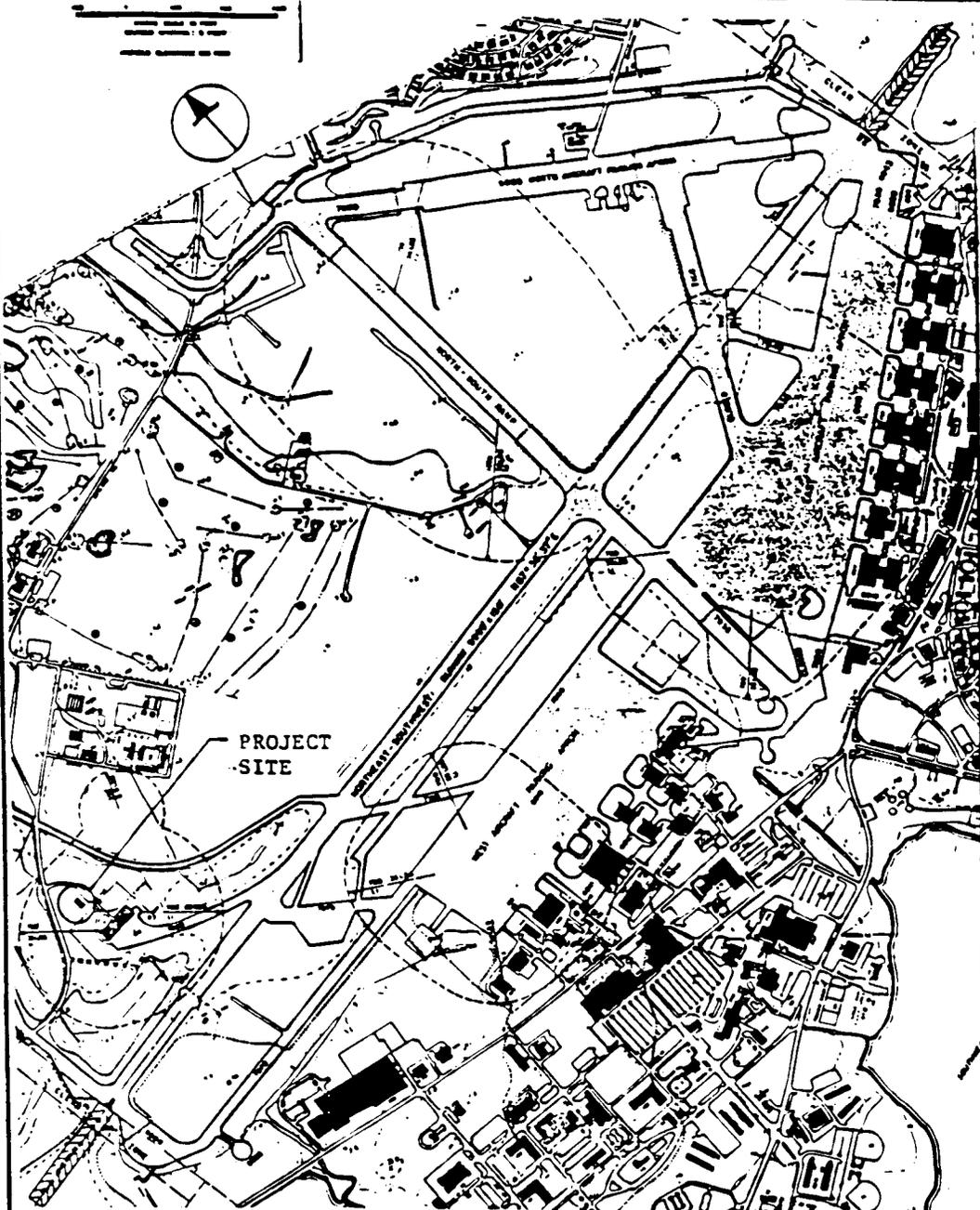
1. COMPONENT ANG		FY MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE FIRE STATION		
5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 730-142	7. PROJECT NUMBER	8. PROJECT COST(\$000) \$1,550		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE STATION		SF	9,400	110	1,034
SUPPORTING FACILITIES					350
UTILITIES		LS			(200)
PAVEMENTS		LS			(100)
SITE IMPROVEMENTS		LS			(50)
SUBTOTAL					1,384
CONTINGENCY (5%)					69
TOTAL CONTRACT COST					1,453
SUPERVISION, INSPECTION AND OVERHEAD (5%)					73
TOTAL REQUEST					1,526
TOTAL REQUEST (ROUNDED)					1,550
10. Description of Proposed Construction: The new fire station shall have a concrete foundation and concrete floor slab. The structural frame shall be steel with a metal roof pan. The walls shall be constructed of concrete masonry units. The roof shall be an asphalt built-up type. It shall include all necessary mechanical and electrical systems. <u>Air Conditioning: 15 Tons.</u>					
11. REQUIREMENT: 9,400 SF ADEQUATE: 0 SUBSTANDARD: 4,243 SF <u>PROJECT: Fire Station (Current Mission).</u> <u>REQUIREMENT:</u> The base requires a facility that will adequately support the Fire/Crash Rescue mission generated by the unit's flying operations and by the mutual response agreement between the Air National Guard and the Fort Wayne Airport Authority. The facility must contain adequate space for eight vehicle bays, control room, training, administrative functions, kitchen, dining, bunk room, fire extinguisher maintenance and storage. It must be able to support a twenty-four hour operation by twenty four full time fire fighters. <u>CURRENT SITUATION:</u> The existing facility was constructed in 1951 as a fire station/motor pool. It only has vehicle bays to only accommodate four of the eight assigned vehicles. The kitchen, dining room and bunk room are currently combined into one room. Sleeping is impossible as part of the building is still utilized as an AGE (air ground equipment) maintenance shop. There is no classroom available for training. The building is structurally sound and will be renovated to expand AGE. <u>IMPACT IF NOT PROVIDED:</u> Training will be hampered. Response to unit and airport emergencies will not be as rapid as required. Equipment exposure to the elements will accelerate deterioration. Overall efficiency and morale will continue to be affected.					

1. COMPONENT	FY ... MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE STATION		
<p>ADDITIONAL: °Substandard space in Building 768 (4243 SF) will be renovated to correct Aircraft Support Equipment and Storage Shop (AGE) space deficiencies.</p>		

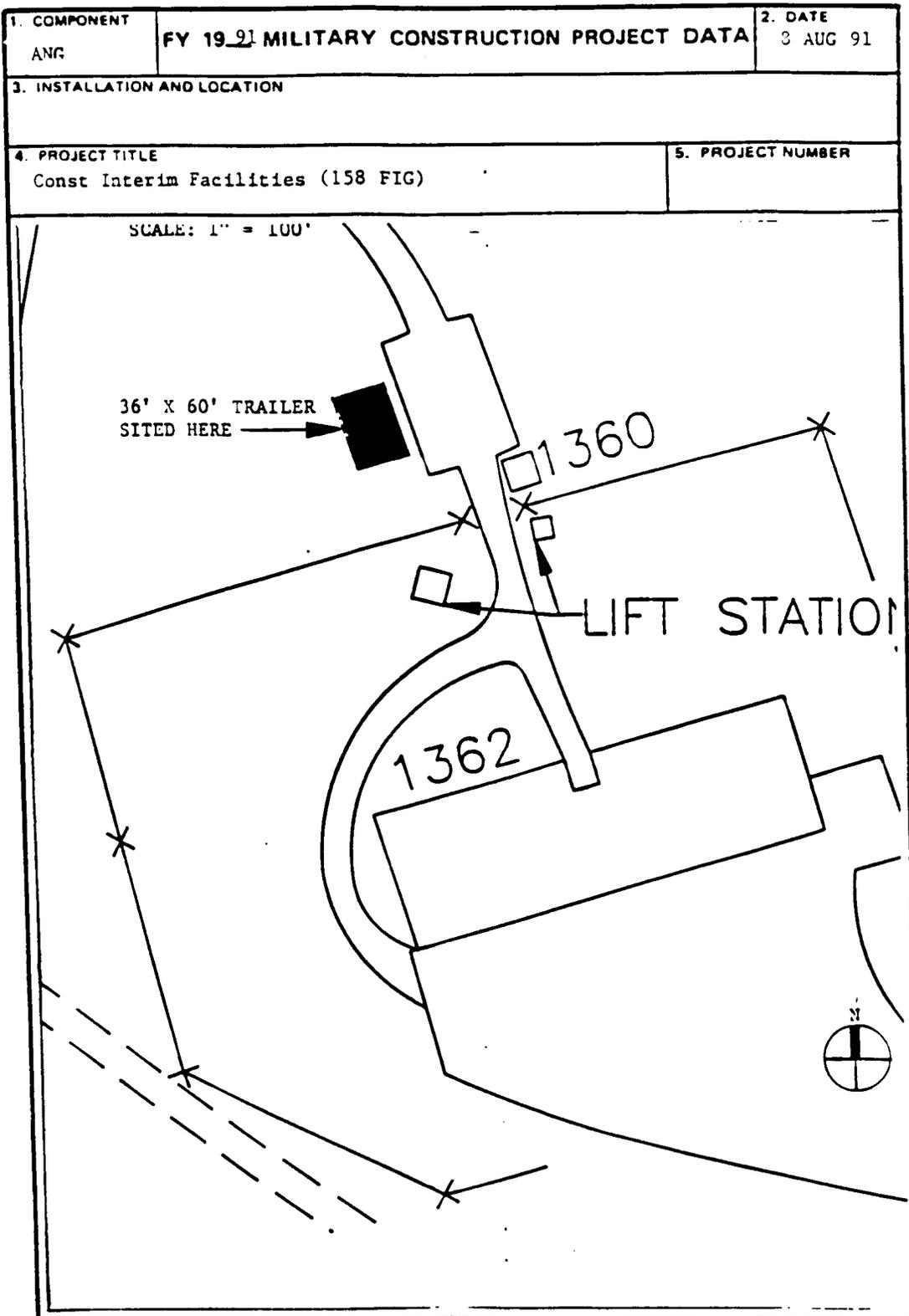
1. COMPONENT ANG		FY MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER	8. PROJECT COST(\$000) \$2,750		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS AND CORROSION CONTROL		SF	20,000		2,192
FUEL SYSTEMS MAINTENANCE DOCK		SF	8,400	120	(1,008)
CORROSION CONTROL DOCK		SF	8,400	110	(924)
SPECIAL FUELS STORAGE		SF	200	100	(20)
DISASTER PREPAREDNESS		SF	3,000	80	(240)
SUPPORTING FACILITIES					320
UTILITIES		LS			(150)
PAVEMENTS/SITE IMPROVEMENTS		LS			(100)
DISPOSAL/ASBESTOS REMOVAL		LS			(70)
SUBTOTAL					2,512
CONTINGENCY (5%)					126
TOTAL CONTRACT COST					2,638
SUPERVISION, INSPECTION AND OVERHEAD (5%)					132
TOTAL REQUEST					2,770
TOTAL REQUEST (ROUNDED)					2,750
10. Description of Proposed Construction: Pre-engineered metal structure with concrete foundation, floor slab and steel roof including necessary electrical mechanical, high capacity ventilation, drainage, and fire protection. Functional areas include the fuel and corrosion bays, corrosion shop, office, parts and tool storage. Access pavement, all utilities and support. Demolish buildings 1, 3 and 213 (3,252 SF). <u>Air Conditioning: 10 Tons.</u>					
11. REQUIREMENT: 20,000 SF ADEQUATE: 0 SUBSTANDARD: 3,252 SF <u>PROJECT:</u> Fuel Systems Maintenance and Corrosion Control Facility (New Mission). <u>REQUIREMENT:</u> This project supports the conversion from A-7 aircraft to the F-16 in 93/4. Fuel cell dock requires personnel to work in a high hazard environment, maintain close temperature ranges for curing and safety, remain uncontaminated by dust or other foreign substances, provide sophisticated mechanical systems and floor drainage system capable of controlling or containing major fuel spillages and prevent pollution. The corrosion control dock will provide special filters and air flow for spot painting and corrosion prevention. <u>CURRENT SITUATION:</u> The F-16 aircraft is more fuel cell maintenance intensive than the existing aircraft. Currently no such facilities exist. The base has acquired additional land from the airport authority which would allow the construction of facilities to support the conversion. Fuel cell systems work is done on an open wash rack or an isolated area of the ramp. Field or combat procedures are routinely used. Most work is scheduled around the weather conditions and if necessary to be done in the hangar, all other aircraft are removed and all other work ceases. This places the entire hangar complex with maintenance shops and offices into a					

1. COMPONENT ANG	FY MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY	5. PROJECT NUMBER	
<p>high hazard zone. Spot painting is done under the same conditions with no control of dust, therefore, it is infrequently accomplished. It is not possible to accomplish the work on the ramp. The siting of this facility will require the demolition of 3 buildings.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Maintenance will be extensively delayed. The operational readiness of conversion aircraft will be effected and become unacceptable. Lack of this facility will severely impact the mission conversion and continued maintenance support. Unable to reach full operational capability.</p>		

1. COMPONENT		FY MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
ANG					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE ALTER DINING HALL AND MEDICAL TRAINING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55294F	722-351		\$1,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DINING HALL AND MEDICAL TRNG		SF	20,350		978
ALTER DINING HALL		SF	9,400	55	(517)
ALTER MEDICAL TRAINING		SF	9,800	40	(392)
ALTER OPS AND TRAINING		SF	1,150	60	(69)
SUPPORTING FACILITIES					110
PREWIRED WORK STATIONS		LS			(100)
ASBESTOS REMOVAL		LS			(10)
SUBTOTAL					1,088
CONTINGENCY (5%)					54
TOTAL CONTRACT COST					1,142
SUPERVISION, INSPECTION AND OVERHEAD (5%)					57
TOTAL REQUEST					1,199
TOTAL REQUEST (ROUNDED)					1,200
10. Description of Proposed Construction: Renovate building by relocating interior partitions, upgrading utilities, insulate building, and minor exterior work to include painting, new doors and windows. <u>Air Conditioning: 40 Tons.</u>					
11. REQUIREMENT: 20,350 SF ADEQUATE: 0 SUBSTANDARD: 20,350 SF PROJECT: Alter Dining Hall and Medical Training (Current Mission). REQUIREMENT: Adequate space to perform medical examinations and training. Dining facility to train food services personnel and efficiently feed personnel on weekend training. CURRENT SITUATION: A FY 90 MILCON project has provided a new warehouse facility. This project converts the existing warehouse into a Dining Hall and Medical Training with some additional space to be used by Ops and Training. The Dining Hall and the Medical Training occupy approximately 7,000 SF of the 19,000 SF facility. Ops and training occupy the remaining 12,000 SF. All three functions are critically short of space. There are long lines for medical examinations and at feeding times. Valuable training time is lost as the personnel are moved around due to shortage of training space. Recently the strength of the medical personnel and staff increased resulting in increased training space to meet the demands for physicals, immunizations, drugs and AIDs testing. These now cannot be done efficiently. Dining space is overcrowded, divided and does not comply with standards. It is economically feasible to convert the vacated warehouse space primarily into a medical and dining facility allowing the ops and training space to expand into the area vacated by the dining hall and medical training. IMPACT IF NOT PROVIDED: Inefficient and lost training opportunities. Unit readiness degraded. Health and safety standards are not met.					

1. COMPONENT ANG		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 8 AUG 1991	
3. INSTALLATION AND LOCATION					
4. PROJECT TITLE Const Interim Facilities (158 FIG)				5. PROJECT NUMBER	
					

Sample Only



Sample Only

1. COMPONENT ANG	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 AUG 1991
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE Const Interim Facilities (158 FIG)		5. PROJECT NUMBER
<p style="text-align: center;">CERTIFICATE OF COMPLIANCE</p> <p>INSTRUCTIONS: Use this checklist to help identify environmental constraints. Type one X in the most appropriate response for each topic area to show current status of compliance. When responding to a statement requiring additional data, fill in the blank with appropriate information. If none of the printed statements is appropriate, add or attach an appropriate comment.</p> <p>1. <u>Environmental Impact Analysis (AFR 19-2, para 9) overseas: AFR 19-3, para 2)</u></p> <p><input checked="" type="checkbox"/> Categorical exclusion letter <u>2y</u> applies.</p> <p><input type="checkbox"/> Environmental Assessment under preparation. Expected completion data is _____.</p> <p><input type="checkbox"/> Environmental Assessment and FONSI completed on _____ (date).</p> <p><input type="checkbox"/> Draft EIS under preparation. Expected completion date is _____.</p> <p><input type="checkbox"/> Draft EIS filed on _____ (date), entitled _____.</p> <p><input type="checkbox"/> FEIS filed on _____ (date), entitled _____.</p> <p>2. <u>Wetlands (AFR 19-9, Chapter 5, para 5-7)</u></p> <p><input checked="" type="checkbox"/> Project is not sited in a wetland.</p> <p><input type="checkbox"/> Project is sited in a wetland. Requirements of EO 11990 in progress. Estimated completion date is _____.</p> <p><input type="checkbox"/> Project is sited in a wetland. Requirements of EO 11990 completed on _____ (date).</p> <p>3. <u>Floodplains (AFR 19-9, Chapter 5, para 5-7)</u></p> <p><input type="checkbox"/> Project is not sited in a floodplain.</p> <p><input type="checkbox"/> Project is sited in a floodplain. Requirements of EO 11988 in progress. Estimated completion date is _____.</p> <p><input checked="" type="checkbox"/> Project is sited in a floodplain. Requirements of EO 11988 completed on <u>23 Mar 1982</u> (date).</p> <p>4. <u>Coastal Zone Management (AFR 19-9, Chapter 4, para 4-6)</u></p> <p><input checked="" type="checkbox"/> Project does not directly affect a state coastal zone.</p> <p><input type="checkbox"/> Project affects a state coastal zone. Consistency determination being developed. Estimated completion date is _____.</p> <p><input type="checkbox"/> Project affects a state coastal zone. Consistency determination submitted on _____ (date).</p>		

Sample Only

1. COMPONENT ANG	FY 19 ⁹¹ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 AUG 1991
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE Const Interim Facilities (158 FIG)	5. PROJECT NUMBER	
<p style="text-align: center;">CERTIFICATE OF COMPLIANCE (continued)</p> <p>5. <u>Coastal Barrier Resources (AFR 19-9, Chapter 4, para 4-10F)</u></p> <p><input checked="" type="checkbox"/> Project is not sited within the Coastal Barrier Resources System. <input type="checkbox"/> Project is sited within the Coastal Barrier Resources System, but is an exception provided for by the Coastal Barrier Resources Act. <input type="checkbox"/> Project is sited within the Coastal Barrier Resources system, and is not excepted by the Act. Consultations with the Regional Director, USFWS, initiated on _____. <input type="checkbox"/> Project is sited with the Coastal Barrier Resources system, and is not excepted by the Act. Consultation with the Regional Director, USFWS, concluded. (Describe mitigation).</p> <p>6. <u>Threatened and Endangered Species (AFR 126-1, Chapter 5, para 12)</u></p> <p><input checked="" type="checkbox"/> Project has no potential for affecting threatened or endangered species or critical habitats. <input type="checkbox"/> Based upon advice from USFWS or host nation liaison, threatened or endangered species in the vicinity of the project will not be affected. <input type="checkbox"/> Formal consultation with the Regional Director, USFWS completed on _____ (date). (Describe mitigation)</p> <p>7. <u>Archaeological and Historical Sites (DEV ltr, 4 Oct 84)</u></p> <p><input type="checkbox"/> After consultation, the State Historical Preservation Officer (SHPO) has concurred that eligible historical properties are: (a) not present in the project area, OR (b) present, but the project will have no effect on them. <input checked="" type="checkbox"/> Consultation and/or surveys are in progress. Estimated completion date is <u>Aug 30 '91</u>. <input type="checkbox"/> After consultation, SHPO has concurred that the project will have an effect, but not an <u>adverse</u> effect, on eligible historic properties. The advisory Council on Historic Preservation has concurred with this joint (AF/SHPO) determination. <input type="checkbox"/> Project will have an adverse effect on eligible historic properties. (Describe negotiated mitigation)</p>		

Sample Only

1. COMPONENT ANG	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 AUG 1991
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE Const Interim Facilities (158 FIG)	5. PROJECT NUMBER	
<p style="text-align: center;">CERTIFICATE OF COMPLIANCE (continued)</p> <p>8. <u>Intergovernmental Coordination (Executive Order 12372 and AFR 19-9, Chapter 2, para 2-8b)</u></p> <p><input checked="" type="checkbox"/> Coordination of proposed project with the state Single Point of Contact or other agencies is not required.</p> <p><input type="checkbox"/> Coordination with the state Single Point of Contact is in progress. Proposed project has been coordinated with state Single Point of Contact or other agencies.</p> <p>9. <u>Federal Aviation Administration (AFR 19-9, Chap 2, para 2-12a(2))</u></p> <p><input checked="" type="checkbox"/> Project does not affect air space use and does not require submittal to Regional Administrator, FAA. Project sent to Regional FAA on _____ (date).</p> <p>10. <u>Noise Siting Compliance (AFB 19-10, Figure 4-5)</u></p> <p><input checked="" type="checkbox"/> Facility is sited in compliance with AFM 19-10, Figure 4-5 (Noise level reduction of <u>NA</u> dB will be provided in design and construction). Request for noise waiver is underway. Expected completion date is _____. Noise waiver granted on _____ (date).</p> <p>11. <u>Airfield/Airspace Clearance Criteria Compliance (AFR 86-14 atch 3) (AFR 86-5)</u></p> <p><input checked="" type="checkbox"/> Facility is sited in compliance with airfield/airspace clearance criteria, including clear zone and accident potential zones. A request for waiver to airfield/airspace clearance criteria is being prepared. Expected completion date is _____. A temporary waiver for construction activity in the airfield vicinity was approved on _____ (date). A permanent waiver of airfield/airspace clearance criteria was obtained on _____ (date).</p>		

Sample Only

1. COMPONENT ANG	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 AUG 1991
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE Const Interim Facilities (158 FIG)		5. PROJECT NUMBER
<p>CERTIFICATE OF COMPLIANCE (continued)</p> <p>12. <u>Explosives Quantity/Distance Siting and Safety Clearance Criteria (AFM 127-100, Chapter 5, 11)</u></p> <p>a. Projects involving munitions storage and explosives related facilities.</p> <p><input type="checkbox"/> Project is not affected by Q/D criteria.</p> <p><input checked="" type="checkbox"/> A request for waiver is under preparation. Expected completion date is <u>30 Sep 91</u>.</p> <p><input type="checkbox"/> Request to waiver safety criteria sent to TAC/SEW on _____ (date).</p> <p><input type="checkbox"/> Explosive siting and safety approval obtained on _____ (date).</p> <p>b. Projects not involving explosives.</p> <p><input type="checkbox"/> Project is not within the Q/D Clear Zone from any existing or proposed explosive-related facility.</p> <p><input type="checkbox"/> A request for waiver is under preparation. Expected completion date is _____.</p> <p><input type="checkbox"/> Exemption required and granted on _____ (date).</p> <p>13. <u>Allowance for Physically Handicapped (AFR 88-15, chap 1, sec B)</u></p> <p><input type="checkbox"/> Project provides all design features for the handicapped.</p> <p><input type="checkbox"/> Project provides access and limited features.</p> <p><input type="checkbox"/> Project provides access but no other features.</p> <p><input checked="" type="checkbox"/> Design features for handicapped are not required.</p> <p><input type="checkbox"/> Design features will not be provided for following reason:</p> <p>14. <u>Real Estate Requirement (AFR 87-1, section B)</u></p> <p><input checked="" type="checkbox"/> Project does not require acquisition of real estate interest.</p> <p><input type="checkbox"/> Project requires the acquisition of a real estate interest over \$100,000.</p> <p><input type="checkbox"/> Land Interest is to be acquired through minor land authority.</p> <p><input type="checkbox"/> Other (explain below).</p>		

Sample Only

1. COMPONENT ANG	FY 19 ⁹¹ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 AUG 1991
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE Const Interim Facilities (158 FIG)		5. PROJECT NUMBER
<u>CERTIFICATE OF COMPLIANCE</u> (continued)		
15. <u>Economic Evaluation (TAC/DEP letter, 16 Mar 87)</u>		
<input checked="" type="checkbox"/> An economic analysis is not required. <input type="checkbox"/> An economic analysis is under preparation. Expected completion date is _____. <input type="checkbox"/> An economic analysis was completed on _____ (date).		
16. <u>Environmental Permits</u>		
<input checked="" type="checkbox"/> No permits are required. <input type="checkbox"/> The following permits are required prior to construction. <ul style="list-style-type: none"> a. b. c. d. 		
17. <u>Hazardous Substances</u>		
Asbestos:		
<input checked="" type="checkbox"/> not present; ____ survey underway; ____ *present		
Polychlorinated biphenyls (PCBs):		
<input checked="" type="checkbox"/> not present; ____ survey underway; ____ *present		
Installation Restoration Program (IRP) Sites:		
<input checked="" type="checkbox"/> not present; ____ survey underway; ____ *present		
Hazardous Waste per Resource Conservation and Recovery Act:		
<input checked="" type="checkbox"/> not present; ____ survey underway; ____ *present		
Radon:		
<input checked="" type="checkbox"/> Site not prone (or prone, but design will not accumulate gas) <input type="checkbox"/> *Site is prone to radon gas generation		
Other known toxic substances:		
<input checked="" type="checkbox"/> not present; ____ survey underway; ____ *present		
* (Describe mitigation, or state why mitigation not necessary)		

Sample Only

1. COMPONENT ANG	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 AUG 19 <u>91</u>
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE Const Interim Facilities (158 FIG)		5. PROJECT NUMBER
<p><u>CERTIFICATE OF COMPLIANCE</u> (continued)</p> <p>Additional Air Pollutants: <input checked="" type="checkbox"/> Will not be generated by the operation of this facility. <input type="checkbox"/> ** Will be generated by the operation of this facility.</p> <p>Additional Solid Wastes: <input checked="" type="checkbox"/> Will not be generated by the operation of this facility. <input type="checkbox"/> ** Will be generated by the operation of this facility.</p> <p>** (Describe type and amount of substances generated, existing control systems, and the need for additional controls)</p> <p>18. <u>Underground Storage Tanks (TAC/DEEV ltr, 19 Dec 85)</u> (Check all that apply)</p> <p><input checked="" type="checkbox"/> No underground tanks are involved. <input type="checkbox"/> New tanks will be installed. <input type="checkbox"/> Existing tanks on project site will be removed. <input type="checkbox"/> Existing tanks on project site will be retained.</p> <p>19. <u>Long Range Plan (AFR 86-1, Chapter 12)</u></p> <p><input checked="" type="checkbox"/> Facility is sited in a compatible land use category of the Long Range Plan approved by the Facility Utilization Board. <input type="checkbox"/> Facility is not sited in a compatible land use category for the following reason:</p>		
Submitted by:		Approved by:
_____ Base Civil Engineer (DATE)		_____ Air Commander (DATE)
Reviewed and Validated by:		
_____ NGB Facility Programmer (DATE)		

Sample Only