1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
DOD/DIA		Feb 2005

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
Bolling Air Force Base Washington, DC	Defense Intelligence Agency	1.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
CLASSIFIED	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										CLASSIFIED
b. END FY										

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	DIA is a tenant Agency
B. INVENTORY TOTAL AS OF	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	$7,900,000.00
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	$7,900,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
812225	Add Electrical Feeder for the DIAC	1 EA	7,900	1/06	7/06

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT TITLE	COST ($000)
NONE		

b. PLANNED IN NEXT THREE YEARS

CATEGORY CODE	PROJECT TITLE	COST ($000)
NONE		

10. MISSION OR MAJOR FUNCTION

The mission of the Defense Intelligence Agency is to satisfy the foreign military intelligence requirements of the Secretary of Defense, Joint Chiefs of Staff, Unified and Specified Commands, the Services, and other major components and agencies of the Department of Defense. DIA exercises primary intelligence collection management authority for the validation of requirements and taskings in support of Defense Intelligence production efforts.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

A. AIR POLLUTION: NONE

B. WATER POLLUTION: NONE

C. OCCUPATIONAL SAFETY AND HEALTH: NONE

1. Component	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DOD/DIA		Feb 2005

3. Installation and Location	4. Project Title
Bolling Air Force Base Washington, DC	**Add Electrical Feeder Line, Defense Intelligence Analysis Center (DIAC)**

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
NFIP	812225	DIA 06-001	7,900

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				4,400
15 kV Copper Conductor with ground	LM (LF)	7812 (25000)	166.41 (52)	(1,300)
Buried conduit	LM (LF)	7812 (25000)	96 (30)	(750)
Circuit Breakers	EA	5	70	(350)
Transformers	EA	1	100	(100)
Manholes	EA	50	15	(750)
All other equipment and construction	LS	1	1150	(1150)
SUPPORTING FACILITIES				
Demolition	LS	1	1000	2,300
Excavation/Backfill	CM(CY)	9156 (12000)	32.76 (25)	(1,000)
Site Restoration	LS	1	1000	(300)
				(1,000)
SUBTOTAL				6,700
CONTINGENCY (5%)				335
DESIGN/BUILD – DESIGN COST (6%)				402
ESTIMATED CONTRACT COST				7,437
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.0%)				446
TOTAL REQUEST				7,883
TOTAL REQUEST (ROUNDED)				7,900

10. Description of Proposed Construction: Design and construct an additional underground 13.8 kV electrical line (feeder) to the DIAC from a Potomac Electric Power Co. (Pepco) substation. The feeder is to be routed from a different substation than the one currently powering the DIAC. This project will require the construction of new equipment at a Pepco Substation, including a transformer, circuit breakers, switchgear, a circuit reclosure, and overhead structures for routing the new power line out of the substation to a new underground duct bank. The duct bank will be installed under existing asphalt roads from the substation to the DIAC. Work includes digging a continuous trench in the roads and installing an underground, concrete-encased, duct bank over the entire distance. Trenches will be backfilled and re-paved. A 15-kV class cable will be installed. Install manholes every 500 feet. Proposed construction is in compliance with applicable antiterrorism force protection measures.

11. REQUIREMENT: 4 ADEQUATE: 3 SUBSTANDARD: N/A

PROJECT: Design and install a backup 13.8 kV electrical feeder for the DIAC.

REQUREMENT: Construct an additional underground electrical power line to the DIAC which will serve as a backup power source if the Pepco substation, or the three underground lines that presently power the DIAC, are damaged through natural or deliberate means. The line will originate from a substation that is different from the substation presently serving the DIAC. This new line will be able to provide emergency power to the building in conjunction with the emergency generators already in the building.

CURRENT SITUATION: The DIAC receives electrical power through three, 13.8 kV, underground power lines coming from the same substation. If power to the existing feeders is lost, emergency generators will start and power only life safety and critical loads in the building.

IMPACT IF NOT PROVIDED: Critical military intelligence operations will not have a redundant power source. Damage or destruction of the existing substation serving the DIAC would cripple operations. The additional feeder provides electrical power to continue mission critical activities.

1. Component	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DOD/DIA		Feb 2005

3. Installation and Location:	4. Project Title
Bolling Air Force Base Washington, DC	**Add Electrical Feeder, Defense Intelligence Analysis Center (DIAC)**

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
NFIP	812225	DIA 06-001	7,900

ADDITIONAL: An economic analysis has not been accomplished. This project's justification is not primarily based on cost savings. The project provides additional utility redundancy for the facility.

JOINT USE CERTIFICATION: The Chief, Facility Engineering Division, certifies that this project has been considered for joint use potential. Unilateral construction is recommended because the configuration of the electrical distribution system on Bolling AFB, where the DIAC is located, precludes joint use of the new feeder with other tenants on Bolling.

12. Supplemental Data:

A. Estimated Design Data:

1. Status
   - (a) Date Design Started: Estimated to start Jan 06
   - (b) Parametric Cost Estimate Used to Develop Costs (Yes/No): Yes
   - (c) Percent Completed as of January 2005: 0%
   - (d) Date 35 Percent Completed: Estimated 35% Design Complete Apr 06
   - (e) Date Design Complete: Estimated Design Complete Aug 06
   - (f) Type of Design Contract: Design/Build

2. Basis
   - (a) Standard or Definitive Design: Standard
   - (b) Date Design was Most Recently Used: N/A

3. Total Cost (c) = (a)+(b) or (d)+(e) ($000)
   - (a) Production of Plans and Specifications: $12,000
   - (b) All Other Design Costs: $391,000
   - (c) Total : $403,000
   - (d) Contract: $403,000
   - (e) In-House: $0

4. Contract Award: Estimated Award Date is Jan 06
5. Construction Start: Estimated Construction Start Date is Jul 06
6. Construction Completion: Estimated Construction Completion is Jul 07

B. Equipment associated with this project that will be provided from other appropriations: None