Defense Intelligence Agency
Military Construction, Defense-Wide
FY 2008 Budget Estimates
($ in Thousands)

State/Agency/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
District of Columbia				
Bolling Air Force Base				
Install Backup Water System	1,012	1,012	C	198
Total	**1,012**	**1,012**		

1. COMPONENT	FY 2008 MILITARY CONSTRUCTION PROGRAM	2. DATE
DOD/DIA		February 2007

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
Bolling Air Force Base Washington, DC	Defense Intelligence Agency	1.02

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	$1,012,000.00
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	$1,012,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
341166	Install Backup Water System for the DIAC	1 EA	1,012	1/08	8/08

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 2008 MILITARY CONSTRUCTION PROJECT DATA		2. Date
DOD/DIA			February 2007

3. Installation and Location	4. Project Title
Bolling Air Force Base Washington, DC	**Install Backup Water System, Defense Intelligence Analysis Center (DIAC)**

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
NIP	341166	DIA 08-001	1,012

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				635
Well, 12", 300' deep, with casing	LS	--	100,000	(100)
Pumps	EA	3	20,000	(60)
Storage Tank	LS	--	100,000	(100)
Piping	LM(LF)	1250(4000)	80(25)	(100)
Water Treatment System	LS	--	75,000	(75)
Valves	EA	10	4,000	(40)
Automatic Controls and Monitoring	LS	--	100,000	(100)
Electrical System	LS	--	50,000	(50)
Concrete Pads	SM(SF)	313(1000)	32(10)	(10)
SUPPORTING FACILITIES				222
Demolition	LS	--	50,000	(50)
Excavation/Backfill	LM(LF)	1250(4000)	64(20)	(80)
Site Restoration	LS	--	42,000	(42)
Environmental Assessment	LS	--	50,000	(50)
SUBTOTAL				857
CONTINGENCY (5%)				43
DESIGN/BUILD – DESIGN COST (6%)				52
ESTIMATED CONTRACT COST				952
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.0%)				60
TOTAL REQUEST				1,012

10. Description of Proposed Construction: Design and construct a backup water supply system for the original DIAC facility and the adjacent expansion. This system will supply 140,000 gallons or water per day, which is sufficient to supply both buildings at full capacity for an indefinite period of time in the event of a public utility outage. The system will consist of a 12-inch diameter water well, drilled 300 feet down into the aquifer. A small storage tank will be installed to handle periodic high water demand conditions. A water treatment system will be installed to provide potable water that meets EPA safe drinking water standards. The water will be pumped to the two buildings through a series of underground water lines. A computerized automatic control and monitoring system will be installed that will monitor the public utility water pressure and initiate operation of the backup system whenever necessary.

11. REQUIREMENT: 1 ADEQUATE: 0 SUBSTANDARD: N/A

PROJECT: Design and install a backup water system for the DIAC.

REQUREMENT: The Backup Water System project is needed to provide redundancy of data/comms cooling and potable water to allow the DIAC to function in a code-compliant manner in the event of municipal water outage. The system will supply the 140,000 gallons per day normally required by the original DIAC building and the adjacent expansion facility.

CURRENT SITUATION: The DIAC receives water through the DC Water and Sewer Authority (WASA) public water system. There have been two major outages in the past year that have lasted for several hours. The cooling systems for the DIAC rely on water to operate. These systems cool critical computer and communications equipment as well as office space. Water is also crucial for photo processing, for sanitation, and for fire protection.

IMPACT IF NOT PROVIDED: During a water outage, the DIAC cooling systems must be shut down to prevent damage to the equipment. This results in the loss of critical computer and communication systems without which, DIA cannot accomplish its mission. Also, without water for sanitation, cooling for offices and fire protection, DIA personnel must vacate the building.

1. Component	FY 2008 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DOD/DIA		February 2007

3. Installation and Location:	4. Project Title
Bolling Air Force Base Washington, DC	**Install Backup Water System, Defense Intelligence Analysis Center (DIAC)**

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
NIP	341166	DIA 08-001	1,012

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 water distribution system on Bolling AFB, where the DIAC is located, precludes joint use of the new system with other tenants on Bolling.

12. Supplemental Data:

A. Estimated Design Data:

1. Status
   - (a) Date Design Started: Estimated to start Jan 08
   - (b) Parametric Cost Estimate Used to Develop Costs (Yes/No): Yes
   - (c) Percent Completed as of January 2007: 0%
   - (d) Date 35 Percent Design Completed: Estimated Apr 08
   - (e) Date Design Complete: Estimated Aug 08
   - (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: $40
   - (b) All Other Design Costs: $12
   - (c) Total : $52
   - (d) Contract: $52
   - (e) In-House: $0

4. Contract Award: Jan 08
5. Construction Start: Aug 08
6. Construction Completion: May 09

B. Equipment associated with this project that will be provided from other appropriations: $0