1. Component NSA/CSS Defense	**FY 2005 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE FEB 2004

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NSA, Fort George G. Meade, Maryland	Critical Comms Path - Redundancy

5 PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0301011G	89111		**3,450**

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,173
PVC Ductbank w/Trenching – Comms (4-way)	LF	16,500	81.90	1,351
PVC Ductbank w/Trenching – Comms (2-way)	LF	7,500	51.30	385
Clearing & Grubbing for Trench	SY	17,000	25.72	437
SUPPORTING FACILITIES				937
Precast Manhole (6X6X6) – Comms	EA	47	4,695	221
Reforestation	SY	6,700	106.90	716
Subtotal/Total Contract Cost	LS			3,110
Contingency (5.00%)				156
SUBTOTAL				3,266
Supervision, Inspection, and Overhead (5.7%)				186
Total Request				3,450
Installed equipment – (Defense Emergency Response Funds)				(000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Utility infrastructure improvements for the NSA/CSS Compound will feature new ductbanks for extending Comms service from the National Business Park to the NSA/Fort George G. Meade campus. Additionally, this ductbank construction provides for critical redundancy between NSA buildings. Once complete, NSA will have a Comms "loop" that ensures communication connectivity even in the event of a cable or fiber failure at any one point. The Comms ductbank will have its own breakout points (i.e., secure manholes and framerooms). This new ductbank will traverse a wooded tract of land permitted to NSA, so clearing, grubbing, and reforestation will represent a substantial portion of the site preparation work.

11. REQUIREMENT:

Project: Upgrade the Comms distribution asset to improve system capacity, service reliability, and system redundancy consistent with the emerging Critical Infrastructure Protection Plan.

Current Situation: Comms connectivity between many NSA and NSA leased buildings are through a single line of transmission. Because communication between buildings could be interrupted by a single point of failure, it has become critical that a "loop" be provide to allow an alternate Comms path. Existing Comms ductbanks are crowed and to a great degree, full to capacity. Upgrading communications between buildings is not feasible with the current ductbank network.

Impact if not Provided: Failure to provide this project could potentially impact NSA's daily cryptologic operations. Upgrades to the Comms assets that support the NSAW campus are urgently needed.

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SUPPLEMENT DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	JAN 2004
b. Percent Completed as of January 1, 2004	0
c. Date 35% Design Completed	SEP 2004
d. Date Design Completed	FEB 2005
e. Type of Design Contract	Design-Bid-Build

2. BASIS

a. Standard or Definite Design	Yes ___ No __X__
b. Where Design Was Most Recently Used	N/A

3. COST ($000) = c = a + b = d + e	311
a. Production of Plans and Specifications	207
b. All Other Design Costs	104
c. Total	311
d. Contract	311
e. In-house	0
4. CONSTRUCTION CONTRACT AWARD	AUG 2005
5. CONSTRUCTION START	OCT 2005
6. CONSTRUCTION COMPLETE	JUN 2006

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

NONE

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