

Department of Defense

Budget Amendment to the Fiscal Year 2018 Budget Request For BASE + Emergency + Overseas Contingency Operations (OCO)

Military Construction, Defense-Wide



Justification Data Submitted to Congress

November 2017

FY 2018 Budget Amendment

Agency: DEPARTMENT OF DEFENSE—MILITARY PROGRAMS
Bureau: MILITARY CONSTRUCTION
Heading: Military Construction, Defense-Wide
FY 2018 Budget Appendix Page: 276
FY 2018 Pending Request: \$0
Proposed Amendment: \$200,000,000
Revised Request: \$200,000,000

(In the appropriations language under the above heading, add the following new paragraph at the end:)

For an additional amount for “Military Construction, Defense-Wide”, \$200,000,000, to remain available until September 30, 2022: *Provided*, That such amount shall be used to carry out a missile field construction project in Alaska, not otherwise authorized by law: *Provided further*, That such amount is designated by the Congress as an emergency requirement pursuant to section 251(b)(2)(A)(i) of the Balanced Budget and Emergency Deficit Control Act of 1985: *Provided further*, That the amount designated under this heading as an emergency requirement pursuant to section 251(b)(2)(A)(i) of the Balanced Budget and Emergency Deficit Control Act of 1985 shall be available only if the President subsequently so designates such amount and transmits such designation to the Congress.

This amendment includes a request for \$200.0 million for the Military Construction, Defense-Wide account, to be designated as an emergency requirement. This increase is required to fund the construction of Missile Field No. 4 at Ft. Greely, Alaska to provide the ballistic missile defense system with increased ground-based interceptor capabilities to enhance homeland defense.

1. COMPONENT MDA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE November 2017
3. INSTALLATION AND LOCATION Fort Greely, Alaska			4. PROJECT TITLE Missile Field #4	
5. PROGRAM ELEMENT 0603882C	6. CATEGORY CODE 14951	7. PROJECT NUMBER MDA 674	8. PROJECT COST (\$000) 200,000	
9. COST ESTIMATES				
ITEM	U/M (M/E)	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				
Silo Infrastructure (14951)	EA	20	2,634,700	120,723 (52,694)
Mechanical-Electrical Building(89120)	SF	11,300	1,553	(17,548)
Special Construction Features	LS	-	-	(32,953)
Underground Utility Corridors (89340)	LF	3,500	4,333	(15,166)
Security Features	LS	-	-	(2,362)
SUPPORTING FACILITIES				
Electrical/Comms Services	LS	-	-	58,286 (32,964)
Civil/Mechanical Services	LS	-	-	(13,575)
Site Preparations	LS	-	-	(5,403)
Site Improvements	LS	-	-	(6,344)
SUBTOTAL				
CONTINGENCY (5.0%)				179,009
TOTAL CONTRACT COST				8,951
SIOH (6.5%)				187,960
TOTAL REQUEST				12,217
TOTAL REQUEST ROUNDED				200,177
INSTALLED EQPT-OTHER APPROPRIATIONS				200,000 (881,000)
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct an additional 20-silo missile field in support of the Ballistic Missile Defense System (BMDS) at Fort Greely, AK. Missile Field #4 includes Silo infrastructure and a Mechanical-Electrical Building (MEB) with High Altitude Electromagnetic Pulse (HEMP), Electromagnetic Interference (EMI), and blast protection.</p> <p>Silo infrastructure will include constructing each silo shaft, installing the silo liner, preparing the opening for the Silo Interface Vault (SIV), SIV concrete pad, and site utilities to the SIV.</p> <p>The MEB construction utilizes reinforced concrete walls and ceiling covered with metal panels, and a standing seam metal roof. Lightning protection and equipment grounding systems will be included. The MEB foundation includes features to meet site-specific ground motion requirements, seismic requirements, and blast protection requirements.</p> <p>The special construction features will include redundant HEMP protected mechanical and electrical equipment supporting the launch control components. MEB HEMP and EMI protection include steel plates and custom-built specialty power filters. The HEMP and EMI protection is required to be tested and certified. The MEB blast protection consists of 20-inch thick reinforced concrete walls and ceiling, blast rated doors and valves, and foundation substructure anchoring.</p> <p>Underground utility corridors will be provided to connect the new MEB with existing missile field infrastructure and to the new silo infrastructure.</p> <p>Security features will include fencing and electronic security system infrastructure.</p> <p>Electrical and Communications services will include HEMP protected electrical distribution, cybersecurity, and information management systems.</p>				

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10. DESCRIPTION OF PROPOSED CONSTRUCTION : (cont.) Civil and Mechanical Services will include water, sewer, paving, fire protection, alarm systems and septic tanks in support of the MEB. Site preparations include clearing, grubbing, and grading. Site improvements include the demolition and relocation of existing roads to include new access roads.		
11. REQUIRED: 60 EA	ADEQUATE: 40	SUBSTANDARD: NONE
PROJECT: Construct Missile Field #4 to include an additional 20 ground-based interceptor (GBI) launch facilities and a shielded MEB in support of the BMDS at Fort Greely, AK. REQUIREMENT: This project is required to provide the BMDS with increased ground-based interceptor capabilities to enhance homeland defense from emerging threats. As adversaries continue to pursue credible and advanced capabilities, the US must evolve its missile defense capabilities to outpace increasingly complex threats. Operational capability of 40 GBIs at Ft. Greely is required to be maintained during expansion activities. CURRENT SITUATION: The United States has 40 operational GBIs distributed between three missile fields at Fort Greely, Alaska. The current missile field configurations at Ft. Greely cannot accommodate additional GBIs without disruption. IMPACT IF NOT PROVIDED: Planned enhancements and capabilities of the BMDS to meet emerging threats will not be available for our Nation's homeland defense. ADDITIONAL INFORMATION: This project has been evaluated for compliance with Executive Orders 11988 Flood Plain Management and 11990 Protection of Wetlands and the Flood Plain Management Guidelines of U.S. Water Resources Council. The Project is not sited in the 100-year flood plain and will be sited to preserve and enhance the natural and beneficial values of wetlands; and minimize the loss or degradation of wetlands. This project is being coordinated with the installation physical security plan and required physical security and/or combating terrorism (CBT/T) measures are being included. All required NEPA analyses will be completed prior to the start of construction.		

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3. INSTALLATION AND LOCATION
Fort Greely, Alaska

4. PROJECT TITLE Missile Field #4	5. PROJECT NUMBER MDA 674
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12. SUPPLEMENTAL DATA:

A. Estimated Execution Data

(1) Acquisition Strategy: Design-Bid-Build

(2) Design Data

(a) Design or Request for Proposal (RFP) Started: Oct 2017

(b) Percent Complete As Of January 2018 35%

(c) Design or RFP Complete: Feb 2018

(d) Total Design Cost (\$000): 14,000

(e) Energy Study and/or Life Cycle Analysis performed No

(f) Standard or definitive design used? Yes

(3) Construction Data:

(a) Contract Award Mar 2018

(b) Construction Start Apr 2018

(c) Construction Completion Sep 2021

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost \$(000)
GBI Launch Support Equipment	RDT&E	FY17	9,000
Site Activation, Support, and Equipment	RDT&E	FY18	15,000
GBI Launch Support Equipment	RDT&E	FY18	36,000
Site Activation, Support, and Equipment	RDT&E	FY19	14,000
GBI Launch Support Equipment	RDT&E	FY19	58,500
Security Equipment/ESS	RDT&E	FY19	5,500
Site Activation, Support, and Equipment	RDT&E	FY20	13,000
GBI Launch Support Equipment	RDT&E	FY20	164,000
Site Activation, Support, and Equipment	RDT&E	FY21	14,000
GBI Launch Support Equipment	RDT&E	FY21	81,000
		Total RDT&E:	410,000
Procure, Install, and Test SIV/Silos	Procurement	FY17	47,000
Procure, Install, and Test SIV/Silos	Procurement	FY18	212,000
Procure, Install, and Test SIV/Silos	Procurement	FY19	212,000
		Total Procurement:	471,000
		Total:	881,000

Site activation activities include a temporary man camp to support lodging and dining plus necessary security controls, as well as integration of facilities and weapon systems such as enhanced systems commissioning.



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of Engineers®

Missile Defense Agency (MDA) Missile Field #4, Alaska (MDA Project #674) Work In Progress (WIP) Curve , date 13 October 2017

