

**Missile Defense Agency
 FY 2021 Military Construction, Defense-Wide
 (\$ in Thousands)**

<u>State/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
Alaska				
Fort Greely Communications Center	48,000	48,000	N	84
Total	48,000	48,000		

1. COMPONENT DEF (MDA)		FY 2021 MILITARY CONSTRUCTION PROGRAM				2. DATE Feb 2020		
3. INSTALLATION AND LOCATION Fort Greely, Alaska			4. COMMAND Missile Defense Agency			5. AREA CONSTRUCTION COST INDEX 2.53		
6. PERSONNEL N/A: Tenant of U.S. Army		(1) PERMANENT		(2) STUDENTS		(3) SUPPORTED		(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYYMMDD								0
b. END FY								0
7. INVENTORY DATA (\$000)								
a. TOTAL ACREAGE (acre)							0.00	
b. INVENTORY TOTAL AS OF YYYYMMDD							0.00	
c. AUTHORIZATION NOT YET IN INVENTORY							0.00	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM							48,000.00	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM							0.00	
f. PLANNED IN NEXT THREE PROGRAM YEARS							0.00	
g. REMAINING DEFICIENCY							0.00	
h. GRAND TOTAL							48,000.00	
8. PROJECTS REQUESTED IN THIS PROGRAM								
a. CATEGORY			b. COST (\$000)		c. DESIGN STATUS			
(1) CODE	(2) PROJECT TITLE	(3) SCOPE			(1) START	(2) COMPLETE		
13120	Communications Center	11,500 sf	48,000		Mar 2019	Oct 2020		
9. FUTURE PROJECTS								
10. MISSION OR MAJOR FUNCTIONS								
The mission of the Missile Defense Agency (MDA) is to develop and deploy a layered Missile Defense System (MDS) to defend the United States, its deployed forces, allies, and friends from missile attacks in all phases of flight. The Fort Greely Communication Center project is required to support the Warfighter mission and enhance homeland defense from emerging threats. Improved communications capabilities are required to support expansion activities.								
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES								
							(\$000)	
A. Air Pollution							0	
B. Water Pollution							0	
C. Occupational Safety and Health							0	

1. COMPONENT MDA	FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 2020
3. INSTALLATION AND LOCATION Fort Greely, Alaska			4. PROJECT TITLE Communications Center	
5. PROGRAM ELEMENT 0603882C	6. CATEGORY CODE 13120	7. PROJECT NUMBER MDA 680	8. PROJECT COST (\$000) 48,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				
Communications Center (13120)	SF	11,500	2,207	31,589 (25,380)
Special Construction	LS	-	-	(6,209)
SUPPORTING FACILITIES				
Electrical/Comms Services	LS	-	-	11,061 (8,321)
Civil/Mechanical Services	LS	-	-	(920)
Site Preparations	LS	-	-	(1,535)
Site Improvements	LS	-	-	(285)
SUBTOTAL				
CONTINGENCY (5.0%)				42,649
TOTAL CONTRACT COST				2,132
SIOH (6.5%)				44,781
Design During Construction (0.5%)				2,911
TOTAL REQUEST				224
TOTAL REQUEST ROUNDED				47,916
INSTALLED EQPT-OTHER APPROPRIATIONS				48,000
10. DESCRIPTION OF PROPOSED CONSTRUCTION :				
<p>Construct a Communications Center in support of the Ballistic Missile Defense System (BMDS) at Fort Greely, AK (FGA) to house mission communication equipment.</p> <p>Primary Facility:</p> <p>Communications Center with construction matching surrounding existing facilities (cast-in-place concrete walls). The building will use a single sloped or double pitched roof as part of a cold roof design. The facility will be a single story structure with attic that permits access to inspect High Altitude Electromagnetic Pulse (HEMP) shield from above. Interior framing will include seismic supports for installed equipment. Lightning protection and equipment grounding/bonding systems are included. Foundation includes features to meet site-specific ground motion, seismic and any blast protection requirements. Anti-Terrorism Force Protection features will be incorporated in accordance with applicable Unified Facilities Criteria (UFC). Facility to comply with UFC 1-200-01 DoD Building Code.</p> <p>Facility will incorporate special construction for HEMP, Electromagnetic Interference (EMI), and Toxic Free Area protection.</p>				

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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: Mar 2019
 - (b) Percent Complete As Of January 2020 65%
 - (c) Design or RFP Complete: Oct 2020
 - (d) Total Design Cost (\$000): 4,800
 - (e) Energy Study and/or Life Cycle Analysis performed No
 - (f) Standard or definitive design used? No
- (3) Construction Data:
 - (a) Contract Award Feb 2021
 - (b) Construction Start Apr 2021
 - (c) Construction Completion Jun 2023

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost \$(000)
Construction Free Zone (CFZ)	RDT&E	FY21	1,921
Equipment Rack Isolation Framing	RDT&E	FY21	240
Site Activation / IPO	RDT&E	FY22-23	2,248
GFC/GCN Equipment	RDT&E	FY22-23	47,856
Security Equipment/IESS	RDT&E	FY22	533
Mission Fiber Optic Cable	RDT&E	FY23	739
Furniture, Furnishings & Equipment (FFE)	RDT&E	FY23	629
		Total RDT&E:	54,166
		Total:	54,166