

Missile Defense Agency

Fiscal Year 2021

President's Budget Submittal

Military Construction Exhibit



Feb 2020

**MISSILE DEFENSE AGENCY
FY 2021 MILITARY CONSTRUCTION
PRESIDENT'S BUDGET SUBMITTAL
DESCRIPTIVE SUMMARIES**

(\$ in Thousands)

<u>Program</u>	<u>Authorization</u>	<u>Appropriation</u>
Major Construction	48,000	48,000
Unspecified Minor Construction	4,922	4,922
MILCON Planning & Design	<u>0</u>	<u>0</u>
TOTAL MILITARY CONSTRUCTION	52,922	52,922

**MISSILE DEFENSE AGENCY
FY 2021 MILITARY CONSTRUCTION
PROJECT SUMMARY
BY LOCATION**

(\$ in Thousands)

<u>State/Installation/Project</u>	<u>Auth Request</u>	<u>Approp Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
Major Construction				
Alaska				
Fort Greely Communications Center	48,000	48,000	N	
Unspecified Minor Construction	4,922	4,922		
MILCON Planning and Design	<u>0</u>	<u>0</u>		
TOTAL MILITARY CONSTRUCTION	52,922	52,922		

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	
Special Construction	LS	-	-	(25,380)	
SUPPORTING FACILITIES					
Electrical/Comms Services	LS	-	-	11,061	
Civil/Mechanical Services	LS	-	-	(8,321)	
Site Preparations	LS	-	-	(920)	
Site Improvements	LS	-	-	(1,535)	
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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<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Execution Data</p> <p>(1) Acquisition Strategy: Design-Bid-Build</p> <p>(2) Design Data</p> <p>(a) Design or Request for Proposal (RFP) Started: Mar 2019</p> <p>(b) Percent Complete As Of January 2020 65%</p> <p>(c) Design or RFP Complete: Oct 2020</p> <p>(d) Total Design Cost (\$000): 4,800</p> <p>(e) Energy Study and/or Life Cycle Analysis performed No</p> <p>(f) Standard or definitive design used? No</p> <p>(3) Construction Data:</p> <p>(a) Contract Award Feb 2021</p> <p>(b) Construction Start Apr 2021</p> <p>(c) Construction Completion Jun 2023</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>FY Appropriated or Requested</th> <th>Cost \$ (000)</th> </tr> </thead> <tbody> <tr> <td>Construction Free Zone (CFZ)</td> <td>RDT&E</td> <td>FY21</td> <td>1,921</td> </tr> <tr> <td>Equipment Rack Isolation Framing</td> <td>RDT&E</td> <td>FY21</td> <td>240</td> </tr> <tr> <td>Site Activation / IPO</td> <td>RDT&E</td> <td>FY22-23</td> <td>2,248</td> </tr> <tr> <td>GFC/GCN Equipment</td> <td>RDT&E</td> <td>FY22-23</td> <td>47,856</td> </tr> <tr> <td>Security Equipment/IESS</td> <td>RDT&E</td> <td>FY22</td> <td>533</td> </tr> <tr> <td>Mission Fiber Optic Cable</td> <td>RDT&E</td> <td>FY23</td> <td>739</td> </tr> <tr> <td>Furniture, Furnishings & Equipment (FFE)</td> <td>RDT&E</td> <td>FY23</td> <td>629</td> </tr> <tr> <td></td> <td></td> <td>Total RDT&E:</td> <td>54,166</td> </tr> <tr> <td></td> <td></td> <td>Total:</td> <td>54,166</td> </tr> </tbody> </table>				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
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