

**DEPARTMENT OF THE ARMY
ARMY NATIONAL GUARD**

FISCAL YEAR (FY) 2020

Budget Estimates

MILITARY CONSTRUCTION



JUSTIFICATION DATA SUBMITTED TO CONGRESS

MARCH 2019

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ARMY NATIONAL GUARD

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The estimated cost of this report for the Department of Defense is approximately \$6,726.35 for Fiscal Year 2019. This includes \$460.58 in expenses and \$6,265.77 in DoD labor.

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DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION PROGRAM FY 2020
ARMY NATIONAL GUARD

STATE -----	PROJECT NUMBER -----	CITY/INSTALLATION ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Alabama	10908	Foley NATIONAL GUARD READINESS CENTER	12,000	12,000	C	1
		Subtotal Foley	\$ 12,000	12,000		
		* TOTAL MCNG FOR Alabama	\$ 12,000	12,000		
California	60441	Camp Roberts AUTOMATED MULTIPURPOSE MACHINE GUN RANGE	12,000	12,000	C	9
		Subtotal Camp Roberts	\$ 12,000	12,000		
		* TOTAL MCNG FOR California	\$ 12,000	12,000		
Idaho	160024	Orchard Training Area RAILROAD TRACKS	29,000	29,000	C	17
		Subtotal Orchard Training Area	\$ 29,000	29,000		
		* TOTAL MCNG FOR Idaho	\$ 29,000	29,000		
Maryland	240147	Havre De Grace COMBINED SUPPORT MAINTENANCE SHOP	12,000	12,000	C	23
		Subtotal Havre De Grace	\$ 12,000	12,000		
		* TOTAL MCNG FOR Maryland	\$ 12,000	12,000		
Massachusetts	250194	Camp Edwards AUTOMATED MULTIPURPOSE MACHINE GUN RANGE	9,700	9,700	C	31
		Subtotal Camp Edwards	\$ 9,700	9,700		
		* TOTAL MCNG FOR Massachusetts	\$ 9,700	9,700		

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION PROGRAM FY 2020
ARMY NATIONAL GUARD

STATE -----	PROJECT NUMBER -----	CITY/INSTALLATION ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Minnesota	270203	New Ulm NATIONAL GUARD VEHICLE MAINTENANCE SHOP	11,200	11,200	C	39
		Subtotal New Ulm	\$ 11,200	11,200		
		* TOTAL MCNG FOR Minnesota	\$ 11,200	11,200		
Mississippi	280408	Camp Shelby AUTOMATED MULTIPURPOSE MACHINE GUN RANGE	8,100	8,100	C	47
		Subtotal Camp Shelby	\$ 8,100	8,100		
		* TOTAL MCNG FOR Mississippi	\$ 8,100	8,100		
Missouri	290186	Springfield NATIONAL GUARD READINESS CENTER	12,000	12,000	C	55
		Subtotal Springfield	\$ 12,000	12,000		
		* TOTAL MCNG FOR Missouri	\$ 12,000	12,000		
Nebraska	310102	Bellevue NATIONAL GUARD READINESS CENTER	29,000	29,000	C	61
		Subtotal Bellevue	\$ 29,000	29,000		
		* TOTAL MCNG FOR Nebraska	\$ 29,000	29,000		
New Hampshire	330050	Concord NATIONAL GUARD READINESS CENTER	5,900	5,950	C	69
		Subtotal Concord	\$ 5,900	5,950		
		* TOTAL MCNG FOR New Hampshire	\$ 5,900	5,950		

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION PROGRAM FY 2020
ARMY NATIONAL GUARD

STATE -----	PROJECT NUMBER -----	CITY/INSTALLATION ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Pennsylvania	420103	Moon Township COMBINED SUPPORT MAINTENANCE SHOP	23,000	23,000	C	77
		Subtotal Moon Township	\$ 23,000	23,000		
		* TOTAL MCNG FOR Pennsylvania	\$ 23,000	23,000		
Washington	531201	Richland NATIONAL GUARD READINESS CENTER	11,400	11,400	C	85
		Subtotal Richland	\$ 11,400	11,400		
		* TOTAL MCNG FOR Washington	\$ 11,400	11,400		
Worldwide Various	990022	Minor Construction Unspecified Minor Construction	0	15,000		93
		Subtotal Minor Construction	\$ 0	15,000		
	990033	Planning and Design Planning and Design	0	20,469		95
		Subtotal Planning and Design	\$ 0	20,469		
		* TOTAL MCNG FOR Worldwide Various	\$ 0	35,469		
** ARMY NATIONAL GUARD TOTAL			\$ 175,300	210,769		
Total Cost of New Mission Projects			(0)	\$ 0		
Total Cost of Current Mission Projects			(12)	\$ 175,350		
Total Cost of other line items			(2)	\$ 35,469		
Total Cost of FY 2020 MCNG Projects			(14)	\$ 210,819		

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**Military Construction Army National Guard, Future Years Defense Program
FY 2020- FY 2024**

Year	State	Town or Installation	Project Title	Budgeted Amount	FYDP PB19	Change	Explanation	Proj.No	Pax No	MDEP
2020	AL	Foley	National Guard Readiness Center	12,000	12,000	0		2020 010908	85380	ERED
2020	CA	Camp Roberts	Automated Multipurpose Machine Gun (MPMG) Range	12,000	10,000	2,000	Cost Increase	060441	84634	VSRM
2020	ID	Orchard Training Area	Railroad Tracks	29,000	0	29,000	Project Insertion	160024	92393	EITS
2020	MD	Havre De Grace	Combined Support Maintenance Shop	12,000	12,000	0		240147	85440	EMNT
2020	MA	Camp Edwards	Automated Multipurpose Machine Gun (MPMG) Range	9,700	9,700	0		250194	85732	VSRM
2020	MN	New Ulm	National Guard Vehicle Maintenance Shop	11,200	11,200	0		270203	85448	EMNT
2020	MS	Camp Shelby	Automated Multipurpose Machine Gun Range	8,100	8,100	0		280408	85731	VSRM
2020	MO	Springfield	National Guard Readiness Center	12,000	12,000	0		290186	85457	ERED
2020	NE	Bellevue	National Guard Readiness Center	29,000	29,000	0		310102	85645	ERED
2020	NE	North Platte	National Guard Vehicle Maintenance Shop	0	9,300	(9,300)	Project moved from 2020 to 2021 to accommodate project insertion.	310140	85465	EMNT
2020	NH	Concord	National Guard Readiness Center	5,950	5,950	0		330050	85475	ERED
2020	OR	Klamath Falls	Armed Forces Reserve Center Building Addition	0	9,300	(9,300)	Project moved from 2020 to 2021 to accommodate project insertion.	410306	85502	ERED
2020	PA	Moon Township	Combined Support Maintenance Shop	23,000	23,000	0		420103	85505	EMNT
2020	UT	Nephi	National Guard Readiness Center	0	12,000	(12,000)	Project moved from 2020 to 2021 to accommodate project insertion.	491201	85532	ERED
2020	WA	Richland	National Guard Readiness Center	11,400	11,400	0		531201	85572	ERED
2020	ZZZ	Various	Unspecified Minor Construction	15,000	15,000	0		990022	86777	E315
2020	ZZZ	Various	Planning and Design	20,469	18,869	1,600		990033	86778	E314
Total FY 2020 Program Request				210,819	208,819	2,000				

**Military Construction Army National Guard, Future Years Defense Program
FY 2020- FY 2024**

Year	State	Town or Installation	Project Title	Budgeted Amount	FYDP PB19	Change	Explanation	Proj.No	Pax No	MDEP
2021	AZ	Tucson	National Guard Readiness Center	18,100	18,100	0		2021 040037	85384	ERED
2021	AR	Fort Chaffee	National Guard Readiness Center	15,000	15,000	0		050170	85387	ERED
2021	CA	Bakersfield	National Guard Vehicle Maintenance Shop	9,300	9,300	0		060261	85389	EMINT
2021	CO	Peterson AFB	National Guard Readiness Center	15,000	15,000	0		080295	85390	ERED
2021	IL	North Riverside	National Guard Vehicle Maintenance Shop	0	15,000	(15,000)	IL project & funding exchange. TAG request. 170077 moved 2021 to 2023. 171608 moved 2023 to 2021.	170077	85415	EMINT
2021	IL	Bloomington	National Guard Vehicle Maintenance Shop	15,000	0	15,000	IL project & funding exchange. TAG request. 170077 moved 2021 to 2023. 171608 moved 2023 to 2021.	171608	90193	EMINT
2021	IN	Shelbyville	National Guard Readiness Center Add/Alt	12,000	12,000	0		180202	86480	ERED
2021	KY	Frankfort	National Guard/Reserve Center Building	15,000	15,000	0		210054	85431	ERED
2021	LA	Lake Charles	National Guard Readiness Center	0	15,000	(15,000)	Project moved from 2021 to 2022 to accommodate project insertion.	220141	85434	ERED
2021	MS	Brandon	National Guard Vehicle Maintenance Shop	10,400	10,400	0		280381	85452	EMINT
2021	NE	North Platte	National Guard Vehicle Maintenance Shop	9,300	0	9,300	Project moved from 2020 to 2021 to accommodate project insertion.	310140	85465	EMINT
2021	NJ	Joint Base McGuire-Dix-Lakehurst	National Guard Readiness Center	15,000	15,000	0		340132	85478	ERED
2021	NC	McLeansville	National Guard Vehicle Maintenance Shop	0	15,000	(15,000)	Project moved from 2021 to 2022 to accommodate project insertion.	371602	90308	EMINT
2021	OH	Columbus	National Guard Readiness Center	15,000	15,000	0		390160	85495	ERED
2021	OK	Ardmore	National Guard Vehicle Maintenance Shop	9,800	9,800	0		400602	85570	EMINT
2021	OR	Klamath Falls	Armed Forces Reserve Center Building Addition	9,300	0	9,300	Project moved from 2020 to 2021 to accommodate project insertion.	410306	85502	ERED
2021	SC	Summerville	National Guard Readiness Center	15,000	15,000	0		450109	85519	ERED
2021	TN	McMinnville	National Guard Readiness Center	11,200	11,200	0		470030	85525	ERED
2021	TX	Laredo	National Guard Vehicle Maintenance Shop	0	6,000	(6,000)	TAG requested project exchange. Replace 481104 by 481911.	481104	86690	EMINT
2021	TX	Fort Worth	National Guard Vehicle Maintenance Shop	7,800	7,800	0		481315	86691	EMINT
2021	TX	Fort Worth	Aircraft Maintenance Hangar Add/Alt	6,000	0	6,000	TAG requested project exchange. Replace 481104 by 481911.	481911		EMINT
2021	UT	Nephi	National Guard Readiness Center	12,000	0	12,000	Project moved from 2020 to 2021 to accommodate project insertion.	491201	85532	ERED
2021	WI	Appleton	National Guard Readiness Center Add/Alt	11,600	11,600	0		550148	85553	ERED
2021	ZZZ	Various	Unspecified Minor Construction	11,900	11,900	0		990022	88445	E315
2021	ZZZ	Various	Planning and Design	13,245	13,845	(600)		990033	88446	E314
				Total FY 2021 Program Request	256,945	256,945				

**Military Construction Army National Guard, Future Years Defense Program
FY 2020 - FY 2024**

Year	State	Town or Installation	Project Title	Budgeted Amount	FYDP PB19	Change	Explanation	Proj.No	Pax.No	MDEP
2022	AK	Wasilla	National Guard Readiness Center	34,000	34,000	0		2022	86462	ERED
2022	AZ	Goodyear	National Guard Readiness Center	11,600	11,600	0		021128	88921	ERED
2022	CT	Putnam	National Guard Readiness Center	17,500	17,500	0		040530	88233	ERED
2022	DE	New Castle	National Guard Readiness Center	16,000	16,000	0		090040	86472	ERED
2022	DC	Joint Base Anacostia-Bolling	Combined Support Maintenance Shop Add/Alt	15,000	15,000	0		100093	85400	EMINT
2022	FL	Camp Blanding	Scout RECCE Gunnery Complex	16,200	16,200	0		111083	84561	VSRM
2022	GA	Fort Benning	Enlisted Barracks, Transient Training	13,200	13,200	0		120214	85565	EITS
2022	GU	Barrigada	National Guard Readiness Center Addition	34,000	34,000	0		130131	85407	ERED
2022	HI	Kapolei	National Guard Readiness Center Addition	0	29,000	(29,000)	Project moved from 2022 to 2023 to accommodate project insertion.	140052	85409	ERED
2022	ID	Jerome	National Guard Readiness Center	15,000	15,000	0		150084	85411	ERED
2022	KS	Topeka	National Guard/Reserve Center Building Addition	15,000	15,000	0		160098	86491	ERED
2022	LA	Lake Charles	National Guard Readiness Center	15,000	0	15,000	Project moved from 2021 to 2022 to accommodate project insertion.	200105	85434	ERED
2022	ME	Saco	National Guard Vehicle Maintenance Shop	16,000	16,000	0		220141	85435	EMINT
2022	MI	Grayling	National Guard Readiness Center	16,000	16,000	0		230125	86608	ERED
2022	MT	Butte	National Guard Readiness Center	16,000	16,000	0		260247	85460	ERED
2022	NY	Troy	National Guard Vehicle Maintenance Shop	17,000	17,000	0		300049	86636	EMINT
2022	NC	McLeansville	National Guard Vehicle Maintenance Shop	15,000	0	15,000	Project moved from 2021 to 2022 to accommodate project insertion.	361403	90308	EMINT
2022	ND	Dickinson	National Guard Readiness Center	15,500	15,500	0		371602	86704	ERED
2022	PR	Fort Buchanan	National Guard/Reserve Center Building Addition	16,500	16,500	0		380058	85511	ERED
2022	SC	Camp McCrady	Automated Multipurpose Machine Gun (MPMG) Range	5,400	5,400	0		430068	85615	VSRM
2022	VT	Bennington	National Guard Readiness Center	14,800	14,800	0		450377	85537	ERED
2022	VA	Roanoke	National Guard Readiness Center Addition	6,100	6,100	0		500073	90672	ERED
2022	VA	Roanoke	Combined Support Maintenance Shop Addition	6,900	6,900	0		510075	90673	EMINT
2022	VI	St. Thomas	National Guard Vehicle Maintenance Shop	15,000	15,000	0		510091	85546	EMINT
2022	WV	Buckhannon	National Guard Readiness Center Addition	14,000	14,000	0		520040	85551	ERED
2022	WY	Lovell	National Guard Vehicle Maintenance Shop	14,800	14,800	0		540227	85557	EMINT
2022	ZZZ	Various	Unspecified Minor Construction	18,000	18,000	0		560903	90716	E315
2022	ZZZ	Various	Planning and Design	21,456	22,456	(1,000)		990022	90717	E314
Total FY 2022 Program Request				430,956	430,956	0				

**Military Construction Army National Guard, Future Years Defense Program
FY 2020- FY 2024**

Year	State	Town or Installation	Project Title	Budgeted Amount	FYDP PB19	Change	Explanation	Proj.No	Pax No	MDEP
2023	2023							2023		
2023	AL	Huntsville	National Guard Readiness Center	17,000	17,000	0		010907	85381	ERED
2023	AK	Joint Base Elmendorf-Richardson	National Guard Readiness Center	30,000	30,000	0		021024	90207	ERED
2023	AR	Camp Robinson	Automated Multipurpose Machine Gun Range	8,000	8,000	0		050186	85715	VSRM
2023	CO	Castle Rock	National Guard Readiness Center	15,500	15,500	0		080057	85563	ERED
2023	FL	Camp Blanding	Automated Multipurpose Machine Gun (MPMG) Range	8,500	8,100	400	Increased Cost	120213	85610	VSRM
2023	FL	Palm Coast	National Guard Vehicle Maintenance Shop	12,000	12,000	0		120324	88235	EMINT
2023	HI	Kapolei	National Guard Readiness Center Addition	29,000	0	29,000	Project moved from 2022 to 2023 to accommodate project insertion.	150084	85409	ERED
2023	ID	Jermome	National Guard Vehicle Maintenance Shop	0	15,000	(15,000)	Project moved from 2023 to 2024 to accommodate project insertion.	160069	85412	EMINT
2023	IL	North Riverside	National Guard Vehicle Maintenance Shop	17,500	0	17,500	IL project & funding exchange. TAG request. 170077 moved 2021 to 2023. 171608 moved 2023 to 2021.	170077	85415	EMINT
2023	IL	Bloomington	National Guard Vehicle Maintenance Shop	0	17,500	(17,500)	IL project & funding exchange. TAG request. 170077 moved 2021 to 2023. 171608 moved 2023 to 2021.	171608	90193	EMINT
2023	IN	Indianapolis	National Guard Readiness Center	20,000	20,000	0		180203	86700	ERED
2023	IA	Des Moines	National Guard Readiness Center	15,000	15,000	0		190191	86487	ERED
2023	KY	Wendell H. Ford Training Center	Multipurpose Machine Gun (MPMG) Range	8,000	8,000	0		210293	85611	VSRM
2023	MN	New Ulm	National Guard Readiness Center	17,000	17,000	0		270015	85449	ERED
2023	MO	St Louis	National Guard Readiness Center	20,000	20,000	0		290179	88251	ERED
2023	NV	Reno	National Guard Readiness Center Add/Alt	18,000	18,000	0		320159	86626	ERED
2023	NH	Plymouth	National Guard Readiness Center	17,000	17,000	0		330399	88255	ERED
2023	NJ	Vineland	National Guard Vehicle Maintenance Shop	18,000	17,500	500	Increased Cost	340131	85479	EMINT
2023	NM	Rio Rancho	National Guard Vehicle Maintenance Shop Addition	9,200	9,200	0		350104	86635	EMINT
2023	NM	Las Cruces	National Guard Vehicle Maintenance Shop Addition	5,100	5,100	0		350105	90220	EMINT
2023	OH	Sandusky	National Guard Readiness Center	0	14,800	(14,800)	Reduced Cost. Project moved from 2023 to 2024 to accommodate project insertion.	390214	85496	ERED
2023	OR	Hillsboro	National Guard Readiness Center	22,000	22,000	0		410093	85503	ERED
2023	PA	Hermitage	National Guard Readiness Center	10,600	10,600	0		420173	86705	ERED
2023	SC	Aiken	National Guard Readiness Center	15,500	15,500	0		450193	85520	ERED
2023	SD	Sioux Falls	National Guard Readiness Center	15,000	15,000	0		460158	80224	ERED
2023	KY	Fort Campbell	National Guard Readiness Center	12,000	12,800	(800)	Reduced Cost	470195	80764	ERED
2023	WI	Viroqua	National Guard Readiness Center Add/Alt	15,000	15,000	0		550184	86664	ERED
2023	ZZZ	Various	Unspecified Minor Construction	18,400	18,000	400		990022	90716	E315
2023	ZZZ	Various	Planning and Design	32,572	31,872	700		990033	90717	E314
				Total FY 2023 Program Request	425,872	425,472				

**Military Construction Army National Guard, Future Years Defense Program
FY 2020- FY 2024**

Year	State	Town or Installation	Project Title	Budgeted Amount	FYDP PB19	Change	Explanation	Proj.No	Pax No	MDEP
2024	CA	Moreno Valley	National Guard Vehicle Maintenance Shop	24,000	0	24,000	Accelerated from the Infrastructure Requirements Plan	2024 060252	85389	EMNT
2024	FL	Camp Blanding	Training Aids Center	8,500	0	8,500	New Training Program Project	120231	84651	TAVI
2024	GU	Barrigada	National Guard Readiness Center	45,000	0	45,000	Accelerated from the Infrastructure Requirements Plan	140051	85407	ERED
2024	ID	Jermome	National Guard Vehicle Maintenance Shop	15,000	0	15,000	Project moved from 2023 to 2024 to accommodate project insertion.	160069	85412	EMINT
2024	ID	Boise	Simulations Center	27,000	0	27,000	New Training Program Project	160175	92651	TBWG
2024	IN	Camp Aterbury	Automated Multipurpose Machine Gun Range	8,000	0	8,000	New Range Program Project	180162	85627	VSRM
2024	KY	Burlington	National Guard Vehicle Maintenance Shop	14,800	0	14,800	Accelerated from the Infrastructure Requirements Plan	210192	85432	EMINT
2024	LA	Lafayette	National Guard Readiness Center	24,000	0	24,000	Accelerated from the Infrastructure Requirements Plan	220123	86500	ERED
2024	MD	Baltimore	National Guard Readiness Center	19,000	0	19,000	Accelerated from the Infrastructure Requirements Plan	240162	88245	ERED
2024	MA	Camp Edwards	National Guard Readiness Center	24,000	0	24,000	Accelerated from the Infrastructure Requirements Plan	250148	86606	ERED
2024	MS	Southaven	National Guard Readiness Center	22,000	0	22,000	Accelerated from the Infrastructure Requirements Plan	280321	88249	ERED
2024	MT	Malta	National Guard Vehicle Maintenance Shop	8,400	0	8,400	Accelerated from the Infrastructure Requirements Plan	300238	90746	EMINT
2024	NC	Rocky Mount	National Guard Readiness Center	18,500	0	18,500	Accelerated from the Infrastructure Requirements Plan	371605	92223	ERED
2024	OH	Sandusky	National Guard Readiness Center	14,700	0	14,700	Reduced Cost. Project moved from 2023 to 2024 to accommodate project insertion.	390214	85496	ERED
2024	OK	Shawnee	National Guard Readiness Center	18,000	0	18,000	Accelerated from the Infrastructure Requirements Plan	401207	85499	ERED
2024	RI	North Kingstown	National Guard Readiness Center	30,000	0	30,000	Accelerated from the Infrastructure Requirements Plan	440063	85724	ERED
2024	UT	Manti	National Guard Readiness Center	20,000	0	20,000	Accelerated from the Infrastructure Requirements Plan	491202	88240	ERED
2024	VA	Sandston	Aircraft Maintenance Hangar	20,000	0	20,000	Accelerated from the Infrastructure Requirements Plan	511018	85547	EMINT
2024	WA	Camp Murray	National Guard/Reserve Center Building	22,000	0	22,000	Accelerated from the Infrastructure Requirements Plan	530077	86688	ERED
2024	ZZZ	Various	Unspecified Minor Construction	31,639	0	31,639		990022		E315
2024	ZZZ	Various	Planning and Design	29,223	0	29,223		990033		E314
Total FY 2024 Program Request				443,762	0	443,762				

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APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army National Guard, and contiguous therefore, as authorized by Chapter 1803 of Title 10, United States Code, as amended, and Military Construction Authorization Acts \$210,819,000 to remain available until 30 September 2024. Provided, that of the amount appropriated, not to exceed \$20,469,000 shall be available for study, planning, design, and architect and engineer services, as authorized by law, unless the Director of the Army National Guard determines that additional obligations are necessary for such purposed and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefor.

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SPECIAL PROGRAM CONSIDERATIONS

SEC. 26XX. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN EMERGENCY SUPPLEMENTAL FISCAL YEAR 2018 PROJECT.

(a) Authority to Carry Out Aircraft Maintenance Hangar, Camp Santiago, Puerto Rico. - In the case of the authorization contained in the table in section 4601 of the “Continuing Resolution through March 23 2018 and Emergency Supplemental” for Fiscal Year 2018 (Public Law 115–123; Title X) for San Juan, Puerto Rico, for construction of a Aircraft Maintenance Hangar, the Secretary of the Army may instead construct an Aircraft Maintenance Hangar at Camp Santiago, Puerto Rico.

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019					
3. INSTALLATION AND LOCATION Foley Alabama	INSNO= 01D31	4. AREA CONSTRUCTION COST INDEX .93					
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	FAIRHOPE, AL	20.00 miles Readiness Center 1,089 m2 (11,725 SF) 1957					
ARNG	MOBILE, AL	25.00 miles Readiness Center 10,034 m2 (108,000 SF) 2010					
ARNG	MOBILE, AL	25.00 miles Readiness Center 7,432 m2 (80,000 SF) 2011					
ARNG	MOBILE, AL	25.00 miles Maintenance Facility 1,301 m2 (14,000 SF) 1985					
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST					
<u>CODE</u> <u>PROJECT TITLE</u>		<u>DESIGN STATUS</u>					
		<u>(\$000)</u> <u>START</u> <u>CMPL</u>					
17180	NATIONAL GUARD READINESS 4,544 m2 (48,908 SF)	12,000 OCT 2017 JAN 2020					
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		26 APR 2018 (Date)					
9. LAND ACQUISITION REQUIRED							
None		0 (Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u> <u>PROJECT TITLE</u>		<u>SCOPE</u> <u>(\$000)</u>					
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 14,973							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 OCT 2018							
	PERMANENT		GUARD/RESERVE				
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	5	0	5	0	163	5	158
ACTUAL	5	0	5	0	163	5	158
12. RESERVE UNIT DATA							
				STRENGTH			
<u>UNIT DESIGNATION</u>		<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	
(CO MP CO)		WTM4AA	31925	19473KNG46	163	163	
					163	163	
Assigned/Authorized: 100%							
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
WHEELED				48	48		
TRAILERS				38	38		
TRACKED				0	0		
EQUIPMENT > 30 FT				1	1		
Fuel Truck				0	0		
HET				0	0		
TOTALS				87	87		

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019						
3. INSTALLATION AND LOCATION Foley Alabama		4. AREA CONSTRUCTION COST INDEX .93						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Foley Alabama				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85380 10908		8. PROJECT COST (\$000) Approp 12,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						10,640
17180 Readiness Center		m2 (SF)	3,406 (36,666)		1,995	(6,795)
21411 Detached General Purpose Trainin		m2 (SF)	774.53 (8,337)		2,422	(1,876)
44224 Unheated Storage Building		m2 (SF)	321.91 (3,465)		1,130	(364)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,184	(36)
44240 Flammable Materials Facility		m2 (SF)	10.22 (110)		1,184	(12)
Total from Continuation page(s)						(1,557)
SUPPORTING FACILITIES						1,952
Electric Service		LS	--		--	(99)
Water, Sewer, Gas		LS	--		--	(297)
Paving, Walks, Curbs And Gutters		LS	--		--	(638)
Storm Drainage		LS	--		--	(200)
Site Imp(213) Demo()		LS	--		--	(213)
Information Systems		LS	--		--	(30)
Antiterrorism Measures		LS	--		--	(191)
Other		LS	--		--	(284)
ESTIMATED CONTRACT COST						12,592
CONTINGENCY (5.00%)						630
SUBTOTAL						13,222
SUPV, INSP & OVERHEAD (3.49%)						461
TOTAL REQUEST						13,683
Other Non-DoD Component Share						1,683
TOTAL FEDERAL REQUEST						12,000
TOTAL FEDERAL REQUEST (ROUNDED)						12,000
INSTALLED EQT-OTHER APPROP						(1,285)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility: Heating Plant Geothermal, Backup/Emergency Generator, Organizational Vehicle Parking, Controlled Waste Facility, Flammable Materials Facility and Unheated Storage Building. Comprehensive interior design will be included in this project. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 54,218 SF. Disposal of 1 building at Fort Riel, AL (Total 1,317 m2/14,180 SF), 1 building at William L Smith Readiness Center, AL (Total 1,422 m2/15,304 SF), and 1 building at Luke E Reed Readiness Center, AL (Total 2,298 m2/24,734 SF). Air Conditioning (Estimated 735 kW/209 Tons).						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Foley Alabama				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85380 10908		8. PROJECT COST (\$000) Approp 12,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
81160 Backup/Emergency Generator		EA	1 --		125,000	(125)
85210 Rigid Pavement for MEP		m2 (SY)	3,951 (4,725)		119.60	(473)
82187 Heating Plant, Geothermal		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(209)
					Total	1,557
11. REQ: 4,544 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: To construct a 48,908 SF National Guard Readiness Center that supports individual and collective training, administrative, automation and communications, and logistical requirements for to ALARNG. This facility will be built on State owned land. (Current Mission)						
REQUIREMENT: This project is needed to enhance the assigned unit's training, administrative, automation and communications, and logistical readiness for the ALARNG. This project will continue to foster community relationships with the city of Foley and the continued support to the ALARNG. This project will provide the assigned units with assembly space, classrooms, locker rooms for OCIE equipment, physical fitness areas, kitchen space, and storage requirements that support their federal military mission. This project includes the following units: 1165th Military Police Company (WTM4AA, MTOE 19477RNG22) with an E-Date of 1 SEP 2016. The assigned units in this project are currently located in site constrained facilities with utilization rates that exceed 150% of requirements. The units current locations are in line with the ALARNG Readiness Center Transformation Master Plan, and this project is being coordinated closely with the City of Foley to maintain positive community relationships and foster support for the ALARNG.						
CURRENT SITUATION: This project is critical to the state of Alabama due to the current situation of the 1165th Military Police Company currently performing the mission in two different facilities and operating out of 63% of the authorized space. The unit is currently unable to maintain individual and collective training, administrative, automation and communications, and logistical readiness due to the lack of Command and Control capability for the unit Commander. Housing the unit in one facility increases the capability of the Commander to effectively impact readiness immediately for the assigned Soldiers. The ALARNG has completed a Readiness Center Transformation Master Plan to identify Readiness Center requirements and locations to enhance readiness, recruiting and retention. This project will continue to support the requirements for additional force structure in this location of Alabama.						
The State of Alabama has conducted a preliminary design on this project and is currently at 35 % Design.						
The site for this project is in the possession of the state of Alabama.						
Currently, the state of Alabama has begun the environmental assessment on this project.						
The facility where the current operations are being conducted was constructed in 1967.						

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Foley Alabama	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85380 10908	8. PROJECT COST (\$000) Approp 12,000
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CURRENT SITUATION: (CONTINUED)

The current facilities have lead based paint and asbestos remediation issues to be resolved. Additionally, the building does not have required fire separation walls, alarms, or sprinkler system.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
01D30	7911	17180	00001	2017	F4	Q4	C4	WILLIAM L. SMITH RC, FOLEY
01D10	5130	17180	00001	2017	F4	Q4	C4	FT RIEL READINESS CENTER, FAIRHOPE

Facility does not meet National Fire Codes, electrical codes, and does not meet the American with Disabilities Act. This project additionally requires remediation of asbestos/lead based paint.

Current AA&E Vaults at all Readiness Centers do not comply with the requirements of AR 190-11, and waivers currently exist and must be updated bi-annually.

IMPACT IF NOT PROVIDED: If this project is not provided, it will delay providing adequate training areas, administrative space, automation and communications capabilities, and logistical requirements for the assigned units and hinder their readiness in each functional area. Operation and Maintenance costs would continue to be incrementally higher by having the units operate in three facilities rather than one. Assigned units currently do not have enough organizational storage to store MTOE equipment, which has a direct impact on hand receipt accountability and the subsequent Financial Liability Investigations for Property Loss that is required when equipment is lost/stolen.

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Foley Alabama	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85380 10908	8. PROJECT COST (\$000) Approp 12,000
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ADDITIONAL: (CONTINUED)
 JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2017
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	DEC 2018
(d) Date Design Complete.....	JAN 2020
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	756
(b) All Other Design Costs.....	428
(c) Total Design Cost.....	1,184
(d) Contract.....	1,184
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... APR 2022

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Foley Alabama	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85380 10908	8. PROJECT COST (\$000) Approp 12,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	600
Kitchen Equipment (Type C)	OMNG	2021	50
ESS (171R)	OPA	2021	54
Info Sys - ISC	OPA	2021	210
Info Sys - PROP	OMNG	2021	371
		Total	1,285

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10 MAR 2019			
3. INSTALLATION AND LOCATION Camp Roberts INSNO= 06740 California			4. AREA CONSTRUCTION COST INDEX 1.34				
5. FREQUENCY AND TYPE OF UTILIZATION Support logistical and operational activities for training 360 days/year.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	Atascadero, CA	23.00 miles	Readiness Center	939 m2 (10,105 SF) 1950			
USAR	Fort Hunter Liggett,	40.00 miles	Base	9,290 m2 (100,000 SF) 1941			
ARNG	Camp San Luis Obispo	45.00 miles	Base	9,290 m2 (100,000 SF) 1928			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST		DESIGN STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u> <u>CMPL</u>			
17833	AUTOMATED MULTIPURPOSE MA	1 m2 (10 SF)	12,000	OCT 2017 OCT 2019			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				16 MAR 2018 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>				
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):		58					
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 OCT 2018							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	13	2	11	0	168	36	132
ACTUAL	44	1	15	28	168	36	132
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
(ACT CAMP ROBERTS ISU)	W7Q5AA	66755	NGW7Q5AA	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
				168	168		
				168	168		
Assigned/Authorized: 100%							
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>					
WHEELED	172	172					
TRAILERS	15	15					
TRACKED	4	4					
EQUIPMENT > 30 FT	13	13					
Fuel Truck	4	4					
HET	0	0					
TOTALS	208	208					

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019						
3. INSTALLATION AND LOCATION Camp Roberts California		4. AREA CONSTRUCTION COST INDEX 1.34						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Camp Roberts California				4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17833	7. PROJECT NUMBER 84634 60441		8. PROJECT COST (\$000) Approp 12,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY						9,294
17804 Firing points MPMG		FP	10 --		243,000	(2,430)
17971 Range Control Tower		m2 (SF)	61.04 (657)		10,763	(657)
17122 Range Ops & Strg		m2 (SF)	74.32 (800)		2,153	(160)
17122 Ammo Brkdwn Bldg		m2 (SF)	22.30 (240)		6,996	(156)
17123 Range Classroom Bldng		m2 (SF)	74.32 (800)		2,153	(160)
Total from Continuation page(s)						(5,731)
SUPPORTING FACILITIES						1,750
Electric Service		LS	--		--	(357)
Paving, Walks, Curbs And Gutters		LS	--		--	(14)
Storm Drainage		LS	--		--	(200)
Site Imp(439) Demo(20)		LS	--		--	(459)
Information Systems		LS	--		--	(91)
Antiterrorism Measures		LS	--		--	(156)
Other		LS	--		--	(473)
ESTIMATED CONTRACT COST						11,044
CONTINGENCY (5.00%)						552
SUBTOTAL						11,596
SUPV, INSP & OVERHEAD (3.48%)						404
TOTAL REQUEST						12,000
TOTAL FEDERAL REQUEST						12,000
TOTAL FEDERAL REQUEST (ROUNDED)						12,000
INSTALLED EQT-OTHER APPROP						(3,099)
10. Description of Proposed Construction A specially designed Multipurpose Machine Gun Range (MPMG) with Heavy Sniper Range overlay of permanent construction. The MPMG includes the following items that are integral to the facility; Range Control Tower, Range Operations, storage and classroom along with target emplacements support facilities, Organizational Vehicle Parking, Controlled Waste Facility. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update Dec 2017. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 1,855 SQFT. Disposal of 2 buildings at Camp Roberts Maneuver Training Center-Heavy, CA (Total 172 m2/1,855 SF). Air Conditioning (Estimated 42 kW/12 Tons).						
11. REQ: 1 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: To construct a 10 Lane Automated Multipurpose Machine Gun Range (MPMG); 1 Lane						

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Roberts Maneuver California	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 84634 60441	8. PROJECT COST (\$000) Approp 12,000
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9. COST ESTIMATES (CONTINUED)					
ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>					
17804 Firing points Sniper	FP	1 --	2,000	(2)	
17804 Battle Position (Veh Fighting Pa	FP	4 --	2,000	(8)	
17804 SATS Emplacements	EA	34 --	28,000	(952)	
17804 Standard SIT Emplacement	EA	81 --	17,000	(1,377)	
85210 Rigid Pavement for MEP	m2 (SY)	334.45 (	400)	107.64	(36)
17804 Widened SIT Emplacement	EA	22 --	17,000	(374)	
17804 MIT Emplacement	EA	24 --	45,000	(1,080)	
17804 MAT Emplacement	EA	2 --	775,000	(1,550)	
17804 Iron Maiden Emplacement	EA	30 --	175.00	(5)	
17804 Battle Effect Simulator	EA	36 --	4,000	(144)	
17804 Muzzle Flash Simulator	EA	130 --	150.00	(20)	
17804 Target Boots	EA	10 --	100.00	(1)	
Sustainability/Energy Measures	LS	--	--	(182)	
Total				5,731	

PROJECT: (CONTINUED)
for Heavy Sniper Qualification, 4 battle positions and 2,497 SF of Range Support Facilities to support the training requirements of the CAARNG. This facility will be built on Federal Land. (Current Mission)

REQUIREMENT: This project is required to provide the California Army National Guard and other users of Camp Roberts with a Multipurpose Machine Gun (MPMG) range to train and test Soldiers on the skills necessary to zero, detect, identify, engage, and defeat Stationary Infantry Targets (SITs), Moving Infantry Targets (MITs), and Stationary Armor Targets (SATs) in a tactical array with the following weapons: M2 Machine Gun (MG), MK19 40mm Grenade MG; M60 MG, M240B MG, M249 Squad Automatic Weapon (SAW), M249 Automatic Rifle; M24 7.62MM Sniper Rifle. This range supports night fire operations. The over lay of a Heavy Sniper range is used for day and night exercises that provide the sniper with practical experience in detecting and engaging realistic targets under conditions similar to those found on the battlefield. This range is designed to satisfy the training and qualification requirements of the M107 Heavy Sniper rifle. The MPMG range and over lay of a Heavy Sniper Range are both identified in the Army Range Requirements Model (ARRM) as a requirement for Camp Roberts.

CURRENT SITUATION: This project is critical to the state of CA due to the current situation of the current machine gun range being an 8 lane Machine Gun Transition Range (17831) with targets out to 800 meters. It is only capable of qualifying light machine guns (5.56 and 7.62). CAARNG is not able to qualify with crew served weapons at this range as the targets are not automated or of sufficient length to meet Army Standards. No Heavy Sniper capability exists and vehicle firing points are not available. Increased training time and training costs result by not having the proper range to fully qualify soldiers.

The State of CA has conducted a preliminary design on this project and is currently at 35 % Design.

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019																												
3. INSTALLATION AND LOCATION Camp Roberts California				4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE																														
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17833		7. PROJECT NUMBER 84634 60441		8. PROJECT COST (\$000) Approp 12,000																												
<u>CURRENT SITUATION: (CONTINUED)</u>																																		
<p>The site for this project is in the possession of the state of CA.</p> <p>Currently, the state of CA has begun the environmental assessment on this project.</p> <p>The facility where the current operations are being conducted was constructed in 1998.</p> <table border="1"> <thead> <tr> <th>Site Code</th> <th>Site UID</th> <th>Cat Code</th> <th>FACNO</th> <th>ISR-I Year</th> <th>F Rating</th> <th>Q Rating</th> <th>C Rating</th> <th>Local Name</th> </tr> </thead> <tbody> <tr> <td>06740</td> <td>6328</td> <td>17832</td> <td>RGN17</td> <td>2017</td> <td>F4</td> <td>Q1</td> <td>C1</td> <td></td> </tr> <tr> <td>06740</td> <td>6328</td> <td>17832</td> <td>RGL13</td> <td>2017</td> <td>F3</td> <td>Q3</td> <td>C1</td> <td></td> </tr> </tbody> </table> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not approved, the present range will continue in use as the only Machine Gun Range at Camp Roberts in spite of being very inadequate in terms of number of lanes, distance to targets, quantity of targets, level of automation, and ability to qualify Soldiers with their weapons. Soldier training and qualifications is a key element of unit readiness and Soldier retention, which will both be impacted. Operations and maintenance costs will increase due to the additional cost associated with getting Soldiers to acceptable ranges which require training time, travel time, and funding. OPTEMPO is also affected by the inability to qualify Soldiers. Life Safety issues become critical at the point where an under trained Soldier (due to inadequate ranges) is in combat.</p> <p><u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.</p>								Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name	06740	6328	17832	RGN17	2017	F4	Q1	C1		06740	6328	17832	RGL13	2017	F3	Q3	C1	
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name																										
06740	6328	17832	RGN17	2017	F4	Q1	C1																											
06740	6328	17832	RGL13	2017	F3	Q3	C1																											

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Roberts California	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 84634 60441	8. PROJECT COST (\$000) Approp 12,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2017
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	JUN 2018
(d) Date Design Complete.....	OCT 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Design Was Most Recently Used:

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	661
(b) All Other Design Costs.....	375
(c) Total Design Cost.....	1,036
(d) Contract.....	1,036
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... APR 2022

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
----------------------	--	------------------------

3. INSTALLATION AND LOCATION Camp Roberts California	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
--	---

5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 84634 60441	8. PROJECT COST (\$000) Approp 12,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Stationary Infantry Targets	OPA	2021	484
Dual Stationary Infantry Targe	OPA	2021	334
Moving Infantry Targets	OPA	2021	614
Stationary Armor Targets	OPA	2021	341
Moving Armor Targets	OPA	2021	341
Iron Maiden	OPA	2021	52
Automated Data/Targetry Comput	OPA	2021	513
F F & E	OMNG	2021	366
Info Sys - ISC	OPA	2021	24
Info Sys - PROP	OMNG	2021	30
		Total	3,099

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019					
3. INSTALLATION AND LOCATION Orchard Training Area Idaho	INSNO= 16A22	4. AREA CONSTRUCTION COST INDEX 1.00					
5. FREQUENCY AND TYPE OF UTILIZATION Support logistical and operational activities for training 365 days/year.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	Mountain Home, ID	15.00 miles Readiness Center					
		2,802 m2 (30,162 SF) 1981					
USAF	Mountain Home AFB, I	25.00 miles Base					
		485,623 m2 (5,227,200 SF) 1950					
ANG	Gowen Field, ID	19.00 miles Base					
		78,803 m2 (848,231 SF) 1941					
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST					
		DESIGN STATUS					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					
		<u>(\$000)</u>					
		<u>START</u>					
		<u>CMPL</u>					
86010	RAILROAD TRACKS Addition	0 m2 (0 SF)					
		29,000					
		OCT 2018					
		OCT 2019					
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		09 MAR 2018 (Date)					
9. LAND ACQUISITION REQUIRED							
None		0 (Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					
		<u>(\$000)</u>					
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 0							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 OCT 2018							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	13	2	11	0	138	23	115
ACTUAL	44	2	11	31	138	23	115
12. RESERVE UNIT DATA			STRENGTH				
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
(ACT INST SPT UNIT GOW)	W7XEAA		NGW7XEAA	138	138		
				138	138		
Assigned/Authorized: 100%							
13. MAJOR EQUIPMENT AND AIRCRAFT			<u>AUTHORIZED</u>		<u>ACTUAL</u>		
<u>TYPE</u>							
WHEELED				90		71	
TRAILERS				6		6	
TRACKED				1		1	
EQUIPMENT > 30 FT				11		6	
Fuel Truck				1		1	
HET				0		0	
TOTALS				109		85	

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019						
3. INSTALLATION AND LOCATION Orchard Training Area Idaho		4. AREA CONSTRUCTION INSNO= 16A22 COST INDEX 1.00						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 40px;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td style="padding-left: 40px;">B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td style="padding-left: 40px;">C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Orchard Training Area Idaho				4. PROJECT TITLE RAILROAD TRACKS		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 86010	7. PROJECT NUMBER 92393 160024		8. PROJECT COST (\$000) Approp 29,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						11,913
86010 Rail Spur		EA	6 --		1600000	(9,600)
86010 Conex Spur		EA	1 --		1600000	(1,600)
85210 Rigid Pavement for MEP		m2 (SY)	2,224 (2,660)		215.28	(479)
Sustainability/Energy Measures		LS	--		--	(234)
SUPPORTING FACILITIES						14,837
Electric Service		LS	--		--	(893)
Water, Sewer, Gas		LS	--		--	(114)
Paving, Walks, Curbs And Gutters		LS	--		--	(285)
Storm Drainage		LS	--		--	(502)
Site Imp(2,978) Demo()		LS	--		--	(2,978)
Information Systems		LS	--		--	(120)
Antiterrorism Measures		LS	--		--	(3,624)
Other		LS	--		--	(6,321)
ESTIMATED CONTRACT COST						26,750
CONTINGENCY (5.00%)						1,338
SUBTOTAL						28,088
SUPV, INSP & OVERHEAD (3.25%)						913
TOTAL REQUEST						29,001
TOTAL FEDERAL REQUEST						29,001
TOTAL FEDERAL REQUEST (ROUNDED)						29,000
INSTALLED EQT-OTHER APPROP						(1,324)
10. Description of Proposed Construction A specially designed railroad track of permanent construction. The railhead includes the following items that are integral to the facility; Organizational Vehicle Parking (Unpaved), security fencing, electric power service, storm drainage and lighting for night operations. This project will include concrete loading/unloading platforms constructed between the rail spurs to increase efficiency while loading/unloading rail cars. Comprehensive design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided.						
11. REQ:		NONE	ADQT:		NONE	SUBSTD: NONE
PROJECT: To construct rail road tracks that supports connecting with the common carrier delivering shipments to the base. Railroad sidings, spurs, and switches are required for the maneuvering, loading, and unloading of military equipment and supplies in support of						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019		
3. INSTALLATION AND LOCATION Orchard Training Area Idaho				4. PROJECT TITLE RAILROAD TRACKS				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 86010		7. PROJECT NUMBER 92393 160024		8. PROJECT COST (\$000) Approp 29,000		
<p><u>PROJECT: (CONTINUED)</u> training and mobilization requirements for the ARNG. This facility will be built on Federal Land. (Current Mission) <u>REQUIREMENT:</u> This facility is designed to meet the movement requirements for the five Armor Brigade Combat Teams (ABCT) and two Striker Brigade Combat Teams (SBCT) for the listed units authorized of over 32,000 Soldiers: 116th ABCT, 155th ABCT, 30th ABCT, 1st ABCT, 278th ABCT, 81st SBCT, 56th SBCT. This facility will be used by multiple brigades every year to meet the training, gunnery, and mobilization requirements at the Orchard Combat Training Center. This facility will meet the requirement of multiple spurs to facilitate staging, loading and unloading multiple trains at the rail yard to include loading ramps. The current rail facility at the Orchard Cantonment Area includes two sidings for moment of trains from the main line to the rail yard and four spurs to load and unload trains. This project will expand the loading/unloading capacity at the rail yard and improve the safety of rail operations. The additional spurs are required to meet the heel to toe training requirement of multiple brigades while keeping train integrity through simultaneous loading/unloading operations. <u>CURRENT SITUATION:</u> This project is critical to the state of ID due to the current situation of meeting the movement requirements for the five Armor Brigade Combat Teams (ABCT) and two Stryker Brigade Combat Teams (SBCT): 116th ABCT, 155th ABCT, 30th ABCT, 1st ABCT, 278th ABCT, 81st SBCT, 56th SBCT conducting training and mobilization at the OCTC. Additional rail and unloading/loading infrastructure is required to meet timelines for having multiple brigades railing equipment into and out of the OCTC every training cycle. Current capacity is one train every 24 hours. The requirement to meet operational timelines/throughput is four trains every 24 hours. This project will provide spurs and loading ramps to facilitate moving and parking multiple trains at the rail yard for more efficient loading/unloading of equipment.</p> <p>The State of ID has conducted a preliminary design on this project and is currently at 10 % Design.</p> <p>The site for this project is in the possession of the state of ID.</p> <p>Currently, the state of ID has begun the environmental assessment on this project.</p> <p>The facility where the current operations are being conducted was constructed in 2011.</p> <p>This project will mitigate the event of having an inadequate facility to support the training and readiness of Soldiers of the ARNG ABCTs/SBCTs. Being that the current rail yard is undersized and lacking command & control facilities, and security facilities to accomplish the mission objectives. The probability of effecting training is "PROBABLE". The result of not having an adquate facility will cause a "MINOR" threat to the safety and well being of the Soldiers of the ARNG.</p> <p>Insufficient lighting, lack of line of sight from the rail operations center and deficiencies in loading/unloading platforms greatly increase the risk of catastrophic accidents.</p>								
Site	Site	Cat	FACNO	ISR-I	F	Q	C	Local

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Orchard Training Area Idaho	4. PROJECT TITLE RAILROAD TRACKS
--	-------------------------------------

5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 86010	7. PROJECT NUMBER 92393 160024	8. PROJECT COST (\$000) Approp 29,000
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CURRENT SITUATION: (CONTINUED)

Code	UID	Code	Year	Rating	Rating	Rating	Name
16A22	6649	86010	Track 2017	F4	Q3		Rail Road Track

The current rail at the Camp Orchard Cantonment Area cannot meet Army Strategic Mobility Program rail deployment requirements (Military Traffic Management Command Transportation Engineering Agency Rail Deployment Study No. INF 98-03).

IMPACT IF NOT PROVIDED: If this project is not provided, the Army National Guard ABCT's/SBCT's will continue to be unable to meet its rail deployment requirements at Orchard Combat Training Center. For XCTC, AYST, and mobilization; there will be no safe and efficient facilities available to rail load deploying units or transient training units.

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: An economic analysis has been prepared and utilized in evaluating this project. The project is the best method to satisfy the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Design Start Date.....	OCT 2018
(b) Percent Complete as of January 2019.....	0
(c) Date 35% Designed.....	DEC 2018
(d) Date Design Complete.....	OCT 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
----------------------	--	------------------------

3. INSTALLATION AND LOCATION Orchard Training Area Idaho	4. PROJECT TITLE RAILROAD TRACKS
--	-------------------------------------

5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 86010	7. PROJECT NUMBER 92393 160024	8. PROJECT COST (\$000) Approp 29,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,605
(b) All Other Design Costs.....	909
(c) Total Design Cost.....	2,514
(d) Contract.....	2,041
(e) In-house.....	473

(4) Construction Contract Award..... OCT 2019

(5) Construction Start..... DEC 2019

(6) Construction Completion..... OCT 2021

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Engine	OPA	2021	1,000
Info Sys - ISC	OPA	2021	7
Info Sys - PROP	OMNG	2021	316
		Total	1,324

CFMO Name:
Phone Number:

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019					
3. INSTALLATION AND LOCATION Havre De Grace Maryland		4. AREA CONSTRUCTION COST INDEX 1.01					
5. FREQUENCY AND TYPE OF UTILIZATION Maintenance operations full time 5 days/week and 2 weekends/month for IDT Units.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
USA	Aberdeen, MD	4.00 miles Base					
		0 m2 (0 SF) 0					
ARNG	Edgewood, MD	12.00 miles Maintenance Facility					
		1,259 m2 (13,551 SF) 1940					
ARNG	Edgewood, MD	12.00 miles Maintenance Facility					
		3,916 m2 (42,151 SF) 1980					
ARNG	Edgewood, MD	12.00 miles Readiness Center					
		7,176 m2 (77,240 SF) 1989					
ARNG	Elkton, MD	16.00 miles Readiness Center					
		1,900 m2 (20,453 SF) 1914					
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST					
		DESIGN STATUS					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					
		<u>(\$000)</u>					
		<u>START</u>					
		<u>CMPL</u>					
21419	COMBINED SUPPORT MAINTENA	4,554 m2 (49,017 SF)					
		12,000					
		OCT 2018					
		FEB 2020					
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES		17 AUG 2018					
FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE		(Date)					
UNILATERAL CONSTRUCTION.							
9. LAND ACQUISITION REQUIRED							
None		0					
		(Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					
		<u>(\$000)</u>					
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 13,588							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 22 SEP 2017							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	63	0	0	63	0	0	0
ACTUAL	55	0	0	55	0	0	0
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
(EQP MD ARNG COMBINED)	W8UZAA			0	0		
				0	0		
						Assigned/Authorized: 0%	

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019																								
3. INSTALLATION AND LOCATION Havre De Grace Maryland		4. AREA CONSTRUCTION COST INDEX 1.01																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
<table border="0"> <thead> <tr> <th><u>TYPE</u></th> <th><u>AUTHORIZED</u></th> <th><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>WHEELED</td> <td>1,095</td> <td>3</td> </tr> <tr> <td>TRAILERS</td> <td>1,154</td> <td>2</td> </tr> <tr> <td>TRACKED</td> <td>1</td> <td>0</td> </tr> <tr> <td>EQUIPMENT > 30 FT</td> <td>110</td> <td>0</td> </tr> <tr> <td>Fuel Truck</td> <td>39</td> <td>0</td> </tr> <tr> <td>HET</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTALS</td> <td>2,399</td> <td>5</td> </tr> </tbody> </table>	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	WHEELED	1,095	3	TRAILERS	1,154	2	TRACKED	1	0	EQUIPMENT > 30 FT	110	0	Fuel Truck	39	0	HET	0	0	TOTALS	2,399	5		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>																								
WHEELED	1,095	3																								
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14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
<table border="0"> <tbody> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">1,118</td> </tr> </tbody> </table>		(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	1,118																		
	(\$000)																									
A. AIR POLLUTION	0																									
B. WATER POLLUTION	0																									
C. OCCUPATIONAL SAFETY AND HEALTH	1,118																									

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Havre De Grace Maryland				4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21419	7. PROJECT NUMBER 85440 240147		8. PROJECT COST (\$000) Approp 12,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						12,650
21419 Maintenance Shop		m2 (SF)	3,995 (43,000)		2,726	(10,890)
21470 Bulk POL Storage		m2 (SF)	30.66 (330)		1,912	(59)
44240 Flammable Materials Facility		m2 (SF)	51.10 (550)		1,184	(61)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,130	(35)
44224 Enclosed Unheated Storage		m2 (SF)	446.58 (4,807)		968.76	(433)
Total from Continuation page(s)						(1,172)
SUPPORTING FACILITIES						2,999
Electric Service		LS	--		--	(126)
Water, Sewer, Gas		LS	--		--	(374)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,146)
Storm Drainage		LS	--		--	(350)
Site Imp(405) Demo()		LS	--		--	(405)
Information Systems		LS	--		--	(114)
Antiterrorism Measures		LS	--		--	(284)
Other		LS	--		--	(200)
ESTIMATED CONTRACT COST						15,649
CONTINGENCY (5.00%)						782
SUBTOTAL						16,431
SUPV, INSP & OVERHEAD (3.46%)						569
TOTAL REQUEST						17,000
Other Non-DoD Component Share						5,000
TOTAL FEDERAL REQUEST						12,000
TOTAL FEDERAL REQUEST (ROUNDED)						12,000
INSTALLED EQT-OTHER APPROP						(1,929)
10. Description of Proposed Construction A specially designed National Guard Combined Support Maintenance Shop of permanent construction. The National Guard Support Maintenance Shop includes the following items that are integral to the facility: Organizational Vehicle Parking (Paved), Controlled Waste Facility, Flammable Materials Facility, Bulk POL Storage, and Detached Unheated Storage. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DOD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope, and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 49,026 SQFT. Disposal of 2 buildings at Havre De Grace Military Reservation, MD (Total 4,555 m2/49,026 SF). Air Conditioning (Estimated 243 kW/69 Tons).						
11. REQ: 4,554 m2		ADQT: NONE		SUBSTD: NONE		NONE

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Havre De Grace Maryland	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85440 240147	8. PROJECT COST (\$000) Approp 12,000
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9. COST ESTIMATES (CONTINUED)					
ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)					
85210 Rigid Pavement for MEP	m2 (SY)	6,689 (8,000)	138.07	(924)	
Sustainability/Energy Measures	LS	--	--	(248)	
Total				1,172	

PROJECT: To construct a 49,017 SF National Guard Combined Support Maintenance Shop (CSMS) that supports training, administrative, and logistical requirements for the MDARNG. This facility will be built on State land. (Current Mission)

REQUIREMENT: This programmed CSMS Maintenance Facility will provide sustainment maintenance for a wide range of Army ground equipment to support all Maryland Army National Guard units in meeting DA directed MTOE changes and supporting the ongoing materiel readiness requirements of the MDARNG. This project will address current facility shortages and inadequacies.

CURRENT SITUATION: This project is critical to the state of Maryland due to the current situation of sustainment maintenance operations being conducted in obsolete converted facilities that are extremely unsafe, badly configured, and grossly undersized. Existing facilities were built in 1924 as support facilities for a race track. Converted to their current uses in 1951, the structures never met all requirements of National Guard ground equipment maintenance facilities. Overuse, natural obsolescence, and the evolution of the Army equipment inventory have contributed greatly to facility deterioration.

The State of Maryland has conducted a preliminary design on this project and is currently at 35 % Design.

The site for this project is in the possession of the state of Maryland.

Currently, the state of Maryland has not begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1924.

RAC Score:(Serious to Critical). There are a number of accidents identified with a Probability Code of C ("Possible") or B ("Probable"), and a severity code of "II ("Major") or even I ("Catastrophic").

- (1) Undersized Work Areas: Maintenance bays and workshops do not meet current standards (size and layout of internal work area and safety margins).
- (2) Inadequate Ventilation and Lighting: Due to the nature of the converted facilities, work areas and support spaces are not effectively ventilated. Lighting in work areas in generally inadequate.
- (3) Non-Existent or Non-Functioning Fire Alarm and Suppression Systems. The facility generally lacks fire alarm and smoke detection systems, and has no sprinkler or suppression systems.

Life, Health, Safety:

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019		
3. INSTALLATION AND LOCATION Havre De Grace Maryland				4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21419		7. PROJECT NUMBER 85440 240147		8. PROJECT COST (\$000) Approp 12,000		
CURRENT SITUATION: (CONTINUED)								
<p>(1) Workbays and shop areas lack adequate work space and safety egress margins, increasing accident risk.</p> <p>(2) Facilities utilize window air conditioning and obsolete heating system. Temperature and humidity are routinely outside normal range, adversely impacting equipment, material and parts, and maintenance staff.</p> <p>(3) Ventilation systems are inadequate, resulting in air quality problems.</p> <p>(4) Fire alarm/detection systems are old and often inoperable. The facilities lack sprinkler and fire suppression systems.</p> <p>(5) Water penetration of damaged roofs, windows, and walls has led to persistent mold.</p>								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
24B35		21419		2018	F4	Q4	C4	CSMS
Code Violations:								
<p>(1) Facilities lack fire alarm, detection, and suppression systems.</p> <p>(2) Locker rooms not co-located with and accessible to toilet/shower areas.</p> <p>(3) Inadequate ventilation, poor lighting, lack visual and auditory alarms.</p>								
Waiver Requirements:								
<p>(1) Significant functional deficits per NG Pam 415-12, including undersized work areas and support spaces.</p> <p>(2) Do not meet AT/FP standoff requirements of UFC 4-010-01.</p>								
Compliance Issues:								
<p>(1) Lack of fire alarm and suppression systems.</p> <p>(2) Inadequate ventilation and lighting.</p> <p>(3) Lack of visual and auditory alarms.</p> <p>(4) Overcrowded storage and work space.</p> <p>(5) Unhygienic toilet/shower and locker space.</p>								
Other Issues:								
<p>The CSMS complex has significant challenges for military vehicle access, with inadequate interior vehicle access, poor vehicle circulation and blind corners, and lack of drive through configuration for bays. Work areas have undersized cranes. Restrictive size and configuration of work spaces necessitates frequent works-arounds that increase labor cost and escalate operational risk.</p>								
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Maryland Army National Guard will be unable to safely and efficiently conduct sustainment-level maintenance on ground equipment to support the readiness of assigned units.</p>								
<p>Effect on Readiness: Maintenance conducted in dilapidated, undersized, and badly configured facilities reduces the amount of equipment that can be received, transiently stored, repaired, and returned to service. This increases non-mission capable time and decreases equipment availability to support training and readiness, adversely impacting USR Materiel Readiness (R level) and Training Readiness (T level).</p>								

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Havre De Grace Maryland	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85440 240147	8. PROJECT COST (\$000) Approp 12,000
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IMPACT IF NOT PROVIDED: (CONTINUED)

Effect on O&M Cost: Obsolete and inefficient physical plant drives up energy use, facility operating costs, and facility repair frequency and cost.

Effect on Life Safety & Health: Workshops and bays with inadequate size and insufficient safety margins increase workplace accident risk due to limited line of sight and space to move tools and equipment. Lack of visual and auditory alarms increases risks from industrial accidents and fire. Eyewash stations connect to obsolete plumbing with rust particulate in the water, which will exacerbate eye injuries. Improper ventilation increases exposure to engine exhaust and fumes. Parts storage above the work bays exposes second floor staff to rising fumes, and increased risk of accidents from use of the exterior lift system to move parts and assemblies.

Effect on Equipment Maintenance: Undersized work areas limit the quantity of equipment that can be serviced at one time. Improper size and configuration of tool areas and parts storage increases time needed to obtain tools and parts. Labor hours per task are greatly increased.

Effect on Morale and Attrition: Conditions such as increased accident risks, poorly lit and crowded work spaces, unhygienic shower and toilet areas, mold, working outdoors in poor weather, excessive noise and fumes, and similar conditions adversely impact morale and increase staff attrition.

Effect on Organizational Parking: Inadequate circulation and turn radius, blind turns, and insufficient space increase accident risks. Parking surfaces include a large amount of unpaved area, limiting space for larger, heavier vehicles and increasing risk of environmental violations. Parking areas are scattered across the reservation, increasing time to transport, transiently store, and move equipment and vehicles.

Effect on Organizational Storage: Existing facilities lack adequate climate controlled storage. This decreases the frequency and efficiency of inventories, and raises the potential for environmental damage to stored equipment, parts, and assemblies - particularly sensitive items like computerized equipment and components, communications systems, and other high technology items. Equipment stored in non-temperature controlled environments degrades more quickly, increasing maintenance costs and reducing operating life.

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Havre De Grace Maryland	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85440 240147	8. PROJECT COST (\$000) Approp 12,000
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ADDITIONAL: (CONTINUED)
Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2018
(b) Percent Complete as of January 2019.....	35
(c) Date 35% Designed.....	JAN 2019
(d) Date Design Complete.....	FEB 2020
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	939
(b) All Other Design Costs.....	532
(c) Total Design Cost.....	1,471
(d) Contract.....	1,471
(e) In-house.....	0

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Havre De Grace Maryland	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85440 240147	8. PROJECT COST (\$000) Approp 12,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(4) Construction Contract Award.....	MAR 2020
(5) Construction Start.....	APR 2020
(6) Construction Completion.....	MAR 2022

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	633
ESS (214L)	OPA	2021	953
Info Sys - ISC	OPA	2021	122
Info Sys - PROP	OMNG	2021	221
		Total	1,929

CFMO Name:
Phone Number:

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019			
3. INSTALLATION AND LOCATION Camp Edwards Massachusetts	INSNO= 25175	4. AREA CONSTRUCTION COST INDEX 1.19			
5. FREQUENCY AND TYPE OF UTILIZATION Support logistical and operational activities for training 365 days/year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG Bourne, MA	8.00 miles Readiness Center	1,772 m2 (19,078 SF) 1957			
ARNG Middleboro, MA	25.00 miles Readiness Center	1,707 m2 (18,376 SF) 1952			
ARNG Hingham, MA	26.00 miles Readiness Center	3,720 m2 (40,037 SF) 1910			
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY		COST DESIGN STATUS			
<u>CODE</u> <u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u> <u>START</u> <u>CMPL</u>			
17833 AUTOMATED MULTIPURPOSE MA	0 m2 (0 SF)	9,700 JAN 2018 APR 2019			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		08 MAR 2018 (Date)			
9. LAND ACQUISITION REQUIRED					
None		0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY		COST			
<u>CODE</u> <u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>			
NONE					
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 0					
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.					
11. PERSONNEL STRENGTH AS OF 17 OCT 2018					
	PERMANENT	GUARD/RESERVE			
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>			
AUTHORIZED	10 4 2 4	129 20 109			
ACTUAL	10 4 2 4	147 12 135			
12. RESERVE UNIT DATA					
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>	
(ACT CAMP EDWARDS TNG)	W7RHAA	8T400	NGW7RHAA	<u>AUTHORIZED</u>	<u>ACTUAL</u>
				129	147
				129	147
				Assigned/Authorized: 114%	
13. MAJOR EQUIPMENT AND AIRCRAFT					
<u>TYPE</u>		<u>AUTHORIZED</u>	<u>ACTUAL</u>		
WHEELED		100	100		
TRAILERS		39	39		
TRACKED		3	3		
EQUIPMENT > 30 FT		3	3		
Fuel Truck		0	0		
HET		0	0		
TOTALS		145	145		

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019						
3. INSTALLATION AND LOCATION Camp Edwards Massachusetts		4. AREA CONSTRUCTION COST INDEX 1.19						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 50px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Camp Edwards Massachusetts				4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17833	7. PROJECT NUMBER 85732 250194		8. PROJECT COST (\$000) Approp 9,700	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						7,390
17804 MPMG Firing Points		FP	8 --		703,750	(5,630)
17971 Range Control Tower		m2 (SF)	26.85 (289)		5,568	(150)
17122 Range Ops & Strg		m2 (SF)	74.32 (800)		4,090	(304)
17122 Ammo Brkdwn Bldg		m2 (SF)	16.72 (180)		4,091	(68)
75061 Bleacher Enclosure		m2 (SF)	67.45 (726)		3,763	(254)
Total from Continuation page(s)						(984)
SUPPORTING FACILITIES						1,540
Electric Service		LS	--		--	(236)
Paving, Walks, Curbs And Gutters		LS	--		--	(23)
Storm Drainage		LS	--		--	(220)
Site Imp(259) Demo()		LS	--		--	(259)
Information Systems		LS	--		--	(114)
Antiterrorism Measures		LS	--		--	(103)
Other		LS	--		--	(585)
ESTIMATED CONTRACT COST						8,930
CONTINGENCY (5.00%)						447
SUBTOTAL						9,377
SUPV, INSP & OVERHEAD (3.47%)						325
TOTAL REQUEST						9,702
TOTAL FEDERAL REQUEST						9,702
TOTAL FEDERAL REQUEST (ROUNDED)						9,700
INSTALLED EQT-OTHER APPROP						(1,838)
10. Description of Proposed Construction A standard design Multipurpose Machine Gun Range (MPMG) with automated target systems. The MPMG includes the following items that are integral to the facility; range control tower, range operations building and storage, ammunition breakdown building, bleacher enclosure, classroom building and mess shelter. Comprehensive interior design services is requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update Dec 2017. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 4,675 SF. Disposal of 4 buildings at MTA Camp Edwards, MA (Total 255 m2/2,749 SF), and 2 buildings at MTA Camp Curtis Guil, MA (Total 179 m2/1,926 SF). Air Conditioning (Estimated 35 kW/10 Tons).						
11. REQ:		NONE	ADQT:		NONE	SUBSTD: NONE

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Edwards Massachusetts	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 85732 250194	8. PROJECT COST (\$000) Approp 9,700
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9. COST ESTIMATES (CONTINUED)						
ITEM	UM (M/E)	QUANTITY		UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
17123 Range Classroom Bldng	m2 (SF)	74.32 (	800)	4,090	(304)	
17139 Mess Shelter	m2 (SF)	74.32 (	800)	4,090	(304)	
17804 SIT Emplacements	EA	24 --		3,000	(72)	
17804 WSIT Emplacements	EA	8 --		6,000	(48)	
85210 Rigid Pavement for MEP	m2 (SY)	125.42 (	150)	119.60	(15)	
17804 DTA Emplacements	EA	32 --		3,000	(96)	
Sustainability/Energy Measures	LS	--		--	(145)	
				Total	984	

PROJECT: To construct an 8-lane Multipurpose Machine Gun Range (MPMG) for support of training requirement of the Massachusetts Army National Guard (MAARNG) on the M249 and M240 (5.56 and 7.62) weapon systems. This facility will be built on State land. (Current Mission)

REQUIREMENT: This project is required to provide the MAARNG and other users with adequate, doctrinally correct, throughput capability for light and medium machine guns. This range will be constructed on land leased to the Federal government.

CURRENT SITUATION: This project is critical to the state of Massachusetts due to the current situation of no range of this type exists in the MA inventory. This range is required in order to meet qualification and pre validation of deploying units and without this range units have to travel to other states to meet their training requirements costing training time and additional cost to the state. This has a direct impact on future funding of range operations and increases the cost to units that wish to qualify with these weapon systems.

The State of Massachusetts has conducted a preliminary design on this project and is currently at 35 % Design.

The site for this project is in the possession of the state of Massachusetts.

Currently, the state of Massachusetts has begun the environmental assessment on this project.

There currently is no facility to complete the mission.

Currently members of the MAARNG have to travel to either Ethan Allen Firing Range or Fort Drum to access a range of this type. This is over 250 and 350 miles respectively which costs maintenance wear and tear on vehicles, fuel costs and lost training time for units.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
25175		17833					C4	No Facility

IMPACT IF NOT PROVIDED: If this project is not provided the lack of a MPMG range will

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Edwards Massachusetts	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 85732 250194	8. PROJECT COST (\$000) Approp 9,700
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IMPACT IF NOT PROVIDED: (CONTINUED)

result in the Massachusetts Army National Guard to be unable to address the range shortfalls within the state. This range is required in order to meet qualification and pre validation of deploying units and without this range units have to travel to other states to meet their training requirements costing training time and additional cost to the state. The lack of an MPMG range directly impacts the utilization of Camp Edwards as a training facility. This has a direct impact on future funding of range operations and increases the cost to units that wish to qualify with these weapon systems. The construction of this range will enable units to maximize training time by having a qualification range within the state. They will not have to spend training time in transit to distant locations. The lack of sufficient training on the weapons systems utilized on an MPMG range contributes to increased risk of Soldiers being unfamiliar with the operation of these weapons. This will lead to an increased chance of Soldier injury and damage to equipment. Units that wish to conduct training must drive long distances to adequate range facilities which makes for increased risk of accidents while in transit to alternative ranges. Soldiers without proper training with their weapon systems tend to have increased incidence of malfunctions, equipment damage and injuries related to unfamiliarity with the equipment. Finally the increased travel distance to adequate range facilities will increase the wear and tear of a units vehicles.

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
 - (1) Status:
 - (a) Design Start Date..... JAN 2018
 - (b) Percent Complete as of January 2019..... 100

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
ARNG				10 MAR 2019
3. INSTALLATION AND LOCATION			4. PROJECT TITLE	
Camp Edwards Massachusetts			AUTOMATED MULTIPURPOSE MACHINE GUN RANGE	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
0505896A	17833	85732 250194	Approp	9,700
12. SUPPLEMENTAL DATA (CONTINUED..)				
A. Estimated Design Data: (CONTINUED..)				
(c) Date 35% Designed.....				APR 2018
(d) Date Design Complete.....				APR 2019
(e) Parametric Cost Estimating Used to Develop Costs..				NO
(f) Type of Design Contract: Design-bid-build				
(g) An energy study and life cycle cost analysis will be documented during the final design.				
(2) Basis:				
(a) Standard or Definitive Design: YES				
(b) Where Design Was Most Recently Used:				
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):				(\$000)
(a) Production of Plans and Specifications.....				536
(b) All Other Design Costs.....				304
(c) Total Design Cost.....				840
(d) Contract.....				840
(e) In-house.....				0
(4) Construction Contract Award.....				MAR 2020
(5) Construction Start.....				APR 2020
(6) Construction Completion.....				MAR 2022
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	
UXO REMOVAL SUBSURFACE (G3 Pro	OPA	2018	900	
NEPA	OPA	2015	150	
SIT Targets	OPA	2021	84	
WSIT Targets	OPA	2021	56	
DTA Targets	OPA	2021	112	
F F & E	OMNG	2021	485	
Info Sys - ISC	OPA	2021	23	
Info Sys - PROP	OMNG	2021	29	
Total			1,838	

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Edwards Massachusetts	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 85732 250194	8. PROJECT COST (\$000) Approp 9,700
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CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10 MAR 2019			
3. INSTALLATION AND LOCATION New Ulm Minnesota			INSNO= 27C05	4. AREA CONSTRUCTION COST INDEX 1.15			
5. FREQUENCY AND TYPE OF UTILIZATION Maintenance operations full time 5 days/week and 1 weekend/month for IDT Units.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	New Ulm, MN	1.00 miles	Readiness Center	1,820 m2 (19,590 SF) 1914			
ARNG	St James, MN	24.00 miles	Readiness Center	1,291 m2 (13,901 SF) 1955			
ARNG	St Peter, MN	25.00 miles	Readiness Center	1,450 m2 (15,604 SF) 1982			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST		DESIGN STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u> <u>CMPLE</u>			
21407	NATIONAL GUARD VEHICLE MA	3,240 m2 (34,879 SF)	11,200	MAR 2009 OCT 2019			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				07 JUN 2018 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>				
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 21,300							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 20 NOV 2017							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	70	0	0	70	0	0	0
ACTUAL	13	0	0	13	0	0	0
12. RESERVE UNIT DATA							
				STRENGTH			
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
FMS 06 (EQP MN ARNG FLD MAINT)	W8SF06		NGW8SFAA	0	0		
FMS 02 (EQP MN ARNG FLD MAINT)	W8SF02		NGW8SFAA	0	0		
				0	0		
				Assigned/Authorized: 0%			
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>					
WHEELED	271	1					
TRAILERS	315	4					
TRACKED	68	0					
EQUIPMENT > 30 FT	49	0					
Fuel Truck	5	0					
HET	0	0					
TOTALS	708	5					

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019						
3. INSTALLATION AND LOCATION New Ulm Minnesota		4. AREA CONSTRUCTION COST INDEX 1.15						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION New Ulm Minnesota				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 85448 270203		8. PROJECT COST (\$000) Approp 11,200	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						8,059
21407 Maintenance Shop		m2 (SF)	2,944 (31,689)		2,340	(6,889)
44240 Flammable Materials Facility		m2 (SF)	30.66 (330)		1,410	(43)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,410	(43)
44224 Enclosed Unheated Storage		m2 (SF)	235.04 (2,530)		1,346	(316)
85210 Rigid Pavement for MEP		m2 (SY)	3,721 (4,450)		89.70	(334)
Total from Continuation page(s)						(434)
SUPPORTING FACILITIES						2,243
Electric Service		LS	--		--	(71)
Water, Sewer, Gas		LS	--		--	(213)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,042)
Storm Drainage		LS	--		--	(150)
Site Imp(242) Demo()		LS	--		--	(242)
Information Systems		LS	--		--	(78)
Antiterrorism Measures		LS	--		--	(191)
Other		LS	--		--	(256)
ESTIMATED CONTRACT COST						10,302
CONTINGENCY (5.00%)						515
SUBTOTAL						10,817
SUPV, INSP & OVERHEAD (3.54%)						383
TOTAL REQUEST						11,200
TOTAL FEDERAL REQUEST						11,200
TOTAL FEDERAL REQUEST (ROUNDED)						11,200
INSTALLED EQT-OTHER APPROP						(1,733)
10. Description of Proposed Construction A specially designed National Guard Vehicle Maintenance Shop (FMS) of permanent construction. The National Guard Vehicle Maintenance Shop (FMS) includes the following items that are integral to the facility; Organizational Vehicle Parking (Paved), Controlled Waste Facility, Flammable Materials Facility, Unheated Storage, Heating Plant, Geothermal, and Electric Power, Photovoltaic. This project will include comprehensive interior design. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 35,102 SQFT. Disposal of 1 building at Faribault Readiness Center, MN (Total 1,487 m2/16,006 SF), 6 buildings at Camp Ripley, MN (Total 375 m2/4,038 SF), and 2 buildings at New Ulm Field Maintenance Shop 6, MN (Total 1,399 m2/15,058 SF). Air Conditioning (Estimated 109 kW/31 Tons).						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION New Ulm Minnesota				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 85448 270203		8. PROJECT COST (\$000) Approp 11,200	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
81122 Electric Power, Photovoltaic		EA	1 --	196,000	(196)	
82187 Heating Plant, Geothermal		EA	1 --	80,000	(80)	
Sustainability/Energy Measures		LS	--	--	(158)	
				Total	434	
11. REQ: 3,240 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: To construct a 34,879 SQFT National Guard Vehicle Maintenance Shop that supports the maintenance requirements of the supported MNARNG vehicles and equipment. This facility will be built on state owned land. (Current Mission)						
REQUIREMENT: This facility is designed to support the maintenance of the vehicles and equipment of 12 units and detachments i.e. HHC (-), 2-135 IN BN (WPUUT0), HHC (D), 2-135 IN BN (WPUUT1), CO A, 2-135 INF BN (WPUUA0), CO B, 2-135 INF BN (WPUUB0), CO C, 2-135 INF BN (WPUUC0), CO D, 2-135 INF BN (WPUUD0), HHC (-), 1-125 FA (WPU1T0), BTRY A (-), 1-125 FA (WPU1A0), BTRY A (D), 1-125 FA (WPU1A1), BTRY B (-), 1-125 FA (WPU1B0), BTRY C 1-125 FA (WPU1C0), CO F (-), 134 BSB (WPUMF0), CO F (D), 134 BSB (WPUMF1), 224 TRANS CO LT (WPVXAA), 224 TRANS CO (D) (WPVXA1). The proposed facility consolidates the maintenance missions of two operations, Rochester FMS #2 and New Ulm FMS #6, into a single centrally located facility.						
CURRENT SITUATION: This project is critical to the state of Minnesota due to the current situation of a 35% design has been completed for this project which is sited on property in the possession of the MNARNG and environmental documents have been completed. The facilities this maintenance mission is currently being conducted in are seriously undersized, totally inadequate and are not located to efficiently support the maintenance of the assigned vehicles and equipment. The Rochester facility (27C65-26155) was constructed in 1972 and the New Ulm facility was constructed in 1951. These facilities are dramatically short in all functional areas and only account for 18 percent of total authorized space with a 82 percent deficit. These shortfalls have been aggravated by transformation to an Army Modular Force structure and the associated increased size of the assigned vehicles and equipment. This has exasperated the existing space shortfalls in the existing facilities, particularly in general purpose maintenance bays, tool and supply and administrative areas. This project supports the Surface Maintenance Managers Twenty Year facility plan, complies with the State Real Property Development Plan (RPDP) and supports the revitalization of the Army Industrial Base and Installation Logistics Infrastructure initiative.						
The State of Minnesota has conducted a preliminary design on this project and is currently at 35 % Design.						
The site for this project is in the possession of the state of Minnesota.						
Currently, the state of Minnesota has completed the environmental assessment on this project.						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019		
3. INSTALLATION AND LOCATION New Ulm Minnesota				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407		7. PROJECT NUMBER 85448 270203		8. PROJECT COST (\$000) Approp 11,200		
<u>CURRENT SITUATION: (CONTINUED)</u>								
The facility where the current operations are being conducted was constructed in 1951.								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
27C05	6412	21407	16155	2017	F3	Q4	C4	FMS #6, New Ulm
27C65	7034	21407	26155	2015	F4	Q4	C4	FMS #2, Rochester
<u>IMPACT IF NOT PROVIDED:</u> If not provided, the deficiencies in the current facilities will continue to negatively impact our ability to accomplish assigned maintenance missions and our ability to synchronize material readiness and generate forces to accomplish required missions. In recent years three events have caused dramatic changes in the size and diversity of equipment maintained at this shop: 1. Transformation of the ARNG to a Modular Force, 2. Shift in maintenance philosophy from a four level to a two level structure 3. Conversion of the ARNG to an operational force. Due to these changes critical shortages in functional capabilities have developed which include the lack of right sized work bays and the lack of overhead lift capabilities. The lack of proper and adequate maintenance, storage and administrative areas will continue to impair the attainment and sustainment of required readiness levels. Construction of this facility will reduce the Minnesota Army Guard's overall shortfall in Field Maintenance Shop (21407) space identified in the Army's Real Property Planning and Analysis System (RPLANS).								
<u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.								
<u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.								
<u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.								
<u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.								
<u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.								

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION New Ulm Minnesota			4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 85448 270203		8. PROJECT COST (\$000) Approp 11,200

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	MAR 2009
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	JUN 2009
(d) Date Design Complete.....	OCT 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	614
(b) All Other Design Costs.....	348
(c) Total Design Cost.....	962
(d) Contract.....	962
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... MAR 2022

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION New Ulm Minnesota	4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21407	7. PROJECT NUMBER 85448 270203	8. PROJECT COST (\$000) Approp 11,200
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	560
ESS (214L)	OPA	2021	953
Info Sys - ISC	OPA	2021	68
Info Sys - PROP	OMNG	2021	153
		Total	<u>1,733</u>

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019																															
3. INSTALLATION AND LOCATION Camp Shelby Mississippi		4. AREA CONSTRUCTION COST INDEX .83																															
5. FREQUENCY AND TYPE OF UTILIZATION Support logistical and operational activities for training 365 days/year.																																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS																																	
ARNG	HATTIESBURG, MS	14.00 miles Readiness Center																															
ARNG	PURVIS, MS	20.00 miles Readiness Center																															
ARNG	RIGHTON, MS	31.00 miles Readiness Center																															
ARNG	LUMBERTON, MS	29.00 miles Readiness Center																															
ARNG	WIGGINS, MS	36.00 miles Readiness Center																															
ARNG	POPLARVILLE, MS	43.00 miles Readiness Center																															
7. PROJECTS REQUESTED IN THIS PROGRAM																																	
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align:left;">CATEGORY</th> <th style="text-align:left;">COST</th> <th style="text-align:left;">DESIGN STATUS</th> </tr> <tr> <th style="text-align:left;"><u>CODE</u> <u>PROJECT TITLE</u></th> <th style="text-align:left;"><u>(\$000)</u></th> <th style="text-align:left;"><u>START</u> <u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td>17833 AUTOMATED MULTIPURPOSE MA</td> <td>0 m2 (0 SF)</td> <td>8,100 OCT 2016 SEP 2018</td> </tr> </tbody> </table>			CATEGORY	COST	DESIGN STATUS	<u>CODE</u> <u>PROJECT TITLE</u>	<u>(\$000)</u>	<u>START</u> <u>CMPL</u>	17833 AUTOMATED MULTIPURPOSE MA	0 m2 (0 SF)	8,100 OCT 2016 SEP 2018																						
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8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION																																	
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		15 JUN 2017 (Date)																															
9. LAND ACQUISITION REQUIRED																																	
None		0 (Number of acres)																															
10. PROJECTS PLANNED IN NEXT FOUR YEARS																																	
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CATEGORY	SCOPE	COST																															
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11. PERSONNEL STRENGTH AS OF 21 JUN 2018																																	
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	PERMANENT				GUARD/RESERVE																												
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>																										
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<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>					<u>MTOE/TDA</u>	<u>STRENGTH</u>																									
			<u>AUTHORIZED</u>	<u>ACTUAL</u>																													
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				219	219																												

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019
3. INSTALLATION AND LOCATION Camp Shelby Mississippi		4. AREA CONSTRUCTION COST INDEX .83
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	212	174
TRAILERS	28	15
TRACKED	13	13
EQUIPMENT > 30 FT	16	10
Fuel Truck	2	0
HET	0	0
TOTALS	271	212
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Camp Shelby Mississippi				4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17833	7. PROJECT NUMBER 85731 280408		8. PROJECT COST (\$000) Approp 8,100	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						6,445
17804 Medium Multipurpose Machine Gun		FP	10 --		394,400	(3,944)
17971 Range Control Tower		m2 (SF)	26.85 (289)		8,783	(236)
17122 Range Ops & Strg		m2 (SF)	74.32 (800)		1,812	(135)
17122 Ammo Brkdwn Bldg		m2 (SF)	16.72 (180)		1,812	(30)
73075 Latrines		m2 (SF)	51.10 (550)		1,976	(101)
Total from Continuation page(s)						(1,999)
SUPPORTING FACILITIES						1,008
Electric Service		LS	--		--	(109)
Water, Sewer, Gas		LS	--		--	(213)
Storm Drainage		LS	--		--	(76)
Site Imp(193) Demo(10)		LS	--		--	(203)
Information Systems		LS	--		--	(33)
Antiterrorism Measures		LS	--		--	(35)
Other		LS	--		--	(339)
ESTIMATED CONTRACT COST						7,453
CONTINGENCY (5.00%)						373
SUBTOTAL						7,826
SUPV, INSP & OVERHEAD (3.50%)						274
TOTAL REQUEST						8,100
TOTAL FEDERAL REQUEST						8,100
TOTAL FEDERAL REQUEST (ROUNDED)						8,100
INSTALLED EQT-OTHER APPROP						(1,805)
10. Description of Proposed Construction A standard design Multipurpose Machine Gun Range (MPMG) of permanent construction. Construction will include required utility services, information systems, targetry and associated automation, roads, support facilities, and site improvements. Facilities will be designed to a minimum life of 50 years and energy efficiencies building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Updated 2017. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQ FT for 1 SQ FT demolition policy through demolition of 4,132 SQ FT. Disposal of 3 buildings (Total 384 m2/4,132 SF). Air Conditioning (Estimated 46 kW/13 Tons).						
11. REQ: NONE		ADQT: NONE		SUBSTD: NONE		NONE
PROJECT: Construct a standard 10 Lane Multipurpose Machine Gun (MPMG) Range to support weapons qualifications, administration and logistical requirements of the MSARNG. Project has been validated and approved by ARNG-TR. The facility will be built on Federal Land. (Current Mission)						
REQUIREMENT: This project is required to provide the Mississippi Army National Guard and other users of Camp Shelby with a Multipurpose Machine Gun (MPMG) range to train and test Soldiers on the skills necessary to zero, detect, identify, engage, and defeat						

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Shelby Mississippi	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 85731 280408	8. PROJECT COST (\$000) Approp 8,100
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9. COST ESTIMATES (CONTINUED)					
ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>					
75061 Bleacher Enclosure	m2 (SF)	67.45 (726)	1,812	(122)	
17123 Range Classroom Buidng	m2 (SF)	74.32 (800)	1,812	(135)	
17139 Mess Shelter	m2 (SF)	74.32 (800)	1,647	(122)	
17804 Vehicle Heavy Machine Gun	FP	4 --	16,320	(65)	
17804 Standard SIT Emplacements	EA	78 --	4,080	(318)	
17804 Widened SIT Emplacements	EA	22 --	7,650	(168)	
85210 Rigid Pavement for MEP	m2 (SY)	1,171 (1,400)	134.19	(157)	
17804 MIT Emplacement	EA	24 --	20,400	(490)	
17804 SAT Emplacement	EA	20 --	12,240	(245)	
17804 Iron Maiden Emplacements	EA	20 --	2,564	(51)	
Sustainability/Energy Measures	LS	--	--	(126)	
			Total	1,999	

REQUIREMENT: (CONTINUED)
Stationary Infantry Targets (SITs), Moving Infantry Targets (MITs), and Stationary Armor Targets (SATs) in a tactical array with the following weapons: M2 Machine Gun (MG), MK19 40mm Grenade MG; M60 MG, M240B MG, M249 Squad Automatic Weapon (SAW), M249 Automatic Rifle. This range supports night fire operations. The Multipurpose Machine Gun Range is identified in the Army Range Requirements Model (ARRM) as a requirement for Camp Shelby.

CURRENT SITUATION: This project is critical to the state of MS due to the current situation of Camp Shelby has one eight lane, Machine Gun Transition Range (CATCD 17831) with targets out to 800 meters. This range is the qualification range for all light machine guns (5.56 & 7.62). ARNG is not able to qualify with crew served weapons at this range as the targets are not automated or of sufficient length to meet Army Standards. Vehicle firing points are not available. Increased training time and training costs result by not having the proper range to fully qualify soldiers pre and post mobilization.

The State of MS has conducted a preliminary design on this project and is currently at 10 % Design.

The site for this project is in the possession of the state of MS.

Currently, the state of MS has begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1997.

The current facility is an 8 lane machine gun range that was all but rendered inoperative due to the heavy usage it received during the past mobilizations. The current range does not meet TC-25-8 standards which are critical to meet in order to fully qualify soldiers pre and post mob. This range does not allow for the minimum target systems and doctrinal densities and target types necessary to prepare soldiers for combat.

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019		
3. INSTALLATION AND LOCATION Camp Shelby Mississippi				4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17833		7. PROJECT NUMBER 85731 280408		8. PROJECT COST (\$000) Approp 8,100		
<u>CURRENT SITUATION: (CONTINUED)</u>								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
28941	6317	17833	RG43A	2016	F3	Q3	C1	MPMG Range 43A
<p>Camp Shelby has one eight lane Machine Gun Transition Range (CATCD 17831). This range is the qualification range for all light machine guns (5.56 & 7.62). ARNG is not able to qualify with crew served weapons at this range as the targets are not automated or of sufficient length to meet Army Standards. Vehicle firing points are not available. Increased training time and training costs result by not having the proper range to fully qualify soldiers pre and post mobilization.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the present range will continue to be used as the only Machine Gun Range at Camp Shelby in spite of being inadequate in the quantity of lanes, the distances to the targets, the quantity of targets, the level of automation, and the ability to properly qualify soldiers with their weapons. Soldier training and qualification are key element of unit readiness and soldier retention, which will both be impacted. Operations and maintenance costs will increase due to the additional cost associated with getting soldiers to acceptable ranges which require training time, travel time, and funding. OPTEMPO is also affected by the inability to qualify soldiers. Life Safety issues become critical at the point where an under trained soldier (due to inadequate ranges) is in combat.</p> <p><u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.</p>								

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Shelby Mississippi	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 85731 280408	8. PROJECT COST (\$000) Approp 8,100
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2016
(b) Percent Complete as of January 2019.....	100
(c) Date 35% Designed.....	MAR 2018
(d) Date Design Complete.....	SEP 2018
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Design Was Most Recently Used:

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	447
(b) All Other Design Costs.....	253
(c) Total Design Cost.....	700
(d) Contract.....	700
(e) In-house.....	0

(4) Construction Contract Award..... OCT 2019

(5) Construction Start..... JAN 2020

(6) Construction Completion..... OCT 2021

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Camp Shelby Mississippi	4. PROJECT TITLE AUTOMATED MULTIPURPOSE MACHINE GUN RANGE
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17833	7. PROJECT NUMBER 85731 280408	8. PROJECT COST (\$000) Approp 8,100
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	405
MIT	OPA	2021	367
WSIT	OPA	2021	157
SAT	OPA	2021	204
Iron Maiden	OPA	2021	31
Target Boots	OPA	2021	15
F F & E	OMNG	2021	322
Targets	OMNG	2021	278
Info Sys - ISC	OPA	2021	19
Info Sys - PROP	OMNG	2021	8
		Total	<u>1,805</u>

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10 MAR 2019			
3. INSTALLATION AND LOCATION Springfield Missouri			INSNO= 29809	4. AREA CONSTRUCTION COST INDEX 1.00			
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	SPRINGFIELD, MO	3.00 miles	Maintenance Facility	339 m2 (3,648 SF) 1950			
ARNG	SPRINGFIELD, MO	0.00 miles	Aviation Facility	7,138 m2 (76,828 SF) 1981			
ARNG	SPRINGFIELD, MO	3.00 miles	Readiness Center	4,378 m2 (47,125 SF) 1989			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST		DESIGN STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u> <u>CMP</u>			
17180	NATIONAL GUARD READINESS	4,170 m2 (44,884 SF)	12,000	JAN 2018 OCT 2019			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				24 APR 2018 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>(\$000)</u>				
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 0							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 OCT 2018							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	24	6	18	0	461	50	411
ACTUAL	22	8	9	5	489	44	445
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
HHD (GRP THEATER AVN SUST)	WY3VT0	36291	NGWY3V99	105	110		
CO A (GRP THEATER AVN SUST)	WY3VA0	36291	NGWY3V99	292	296		
CO B (GRP THEATER AVN SUST)	WY3VB0	36291	NGWY3V99	64	83		
				461	489		
Assigned/Authorized: 106%							

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019
3. INSTALLATION AND LOCATION Springfield Missouri		4. AREA CONSTRUCTION COST INDEX 1.00
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	56	56
TRAILERS	105	105
TRACKED	0	0
EQUIPMENT > 30 FT	30	30
Fuel Truck	1	1
HET	0	0
TOTALS	192	192
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Springfield Missouri				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85457 290186		8. PROJECT COST (\$000) Approp 12,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						10,145
17180 Readiness Center		m2 (SF)	4,170 (44,884)		2,349	(9,796)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
Sustainability/Energy Measures		LS	--		--	(199)
<u>SUPPORTING FACILITIES</u>						894
Electric Service		LS	--		--	(24)
Water, Sewer, Gas		LS	--		--	(66)
Storm Drainage		LS	--		--	(80)
Site Imp(101) Demo()		LS	--		--	(101)
Information Systems		LS	--		--	(25)
Antiterrorism Measures		LS	--		--	(43)
Other		LS	--		--	(555)
ESTIMATED CONTRACT COST						11,039
CONTINGENCY (5.00%)						552
SUBTOTAL						11,591
SUPV, INSP & OVERHEAD (3.53%)						409
TOTAL REQUEST						12,000
TOTAL FEDERAL REQUEST						12,000
TOTAL FEDERAL REQUEST (ROUNDED)						12,000
INSTALLED EQT-OTHER APPROP						(1,363)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator. Comprehensive interior design services are requested for this project. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 56,638 SQFT. Disposal of 18 buildings at MTA Camp Clark Nevada, MO (Total 1,476 m2/15,888 SF), 1 building at Jefferson Barracks St Louis, MO (Total 853 m2/9,180 SF), 1 building at Springfield Leased Armory, MO (Total 2,323 m2/25,000 SF), and 2 buildings at Springfield Av Classification & Repair Depot, MO (Total 610 m2/6,570 SF). Air Conditioning (Estimated 528 kW/150 Tons).						
11. REQ: 4,170 m2		ADQT: NONE		SUBSTD: NONE		NONE

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019																			
3. INSTALLATION AND LOCATION Springfield Missouri				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER																					
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180		7. PROJECT NUMBER 85457 290186		8. PROJECT COST (\$000) Approp 12,000																			
<p><u>PROJECT:</u> To construct a 44,884 SQFT National Guard Readiness Center that supports training, administrative, and logistical requirements for the MOARNG. This facility will be built on State Land. (Current Mission)</p> <p><u>REQUIREMENT:</u> This facility is required to house the 1107th Theater Aviation Sustainment Maintenance Group (TASMG), the MTOE component of the AVCRAD, a multi-state regional aviation support unit. The readiness center will provide the necessary administrative, training, storage and arms vault areas required to achieve proficiency in required training.</p> <p><u>CURRENT SITUATION:</u> This project is critical to the state of Missouri due to the current situation of using undersized leased building space. The units are currently occupying a facility that is only 10 percent of their authorized space leaving a 90 percent deficit.</p> <p>The State of Missouri has conducted a preliminary design on this project and is currently at 35 % Design.</p> <p>The site for this project is in the possession of the state of Missouri.</p> <p>Currently, the state of Missouri has begun the environmental assessment on this project.</p> <p>The facility where the current operations are being conducted was constructed in 1980.</p> <p>The current building is leased with an annual cost of \$158,500.00 plus utilities.</p> <table border="0"> <tr> <td>Site Code</td> <td>Site UID</td> <td>Cat Code</td> <td>FACNO</td> <td>ISR-I Year</td> <td>F Rating</td> <td>Q Rating</td> <td>C Rating</td> <td>Local Name</td> </tr> <tr> <td>29D00</td> <td>7355</td> <td>17180</td> <td></td> <td></td> <td></td> <td></td> <td>C4</td> <td>Leased/No Facility</td> </tr> </table> <p>The existing facility lacks adequate training areas, administrative space, supply room space, arms vault, kitchen space, toilets and showers, locker space, privately owned vehicle parking.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, gross deficiencies in space and storage will continue to create an unfavorable environment for equipment security and accountability as well as jeopardize effective unit function to maintain strength and readiness. The constant competition for space is a significant concern. Delays in the funding of this project will force the continued use of an inadequate, undersized leased facility that cost \$158,500.00 annually.</p> <p><u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and</p>								Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name	29D00	7355	17180					C4	Leased/No Facility
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name																	
29D00	7355	17180					C4	Leased/No Facility																	

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Springfield Missouri	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85457 290186	8. PROJECT COST (\$000) Approp 12,000
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ADDITIONAL: (CONTINUED)
the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JAN 2018
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	JUN 2018
(d) Date Design Complete.....	OCT 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	666
(b) All Other Design Costs.....	377
(c) Total Design Cost.....	1,043
(d) Contract.....	1,043
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... OCT 2021

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Springfield Missouri	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85457 290186	8. PROJECT COST (\$000) Approp 12,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	600
Kitchen Equipment (Type C)	OMNG	2021	50
ESS (171R)	OPA	2021	54
Info Sys - ISC	OPA	2021	352
Info Sys - PROP	OMNG	2021	307
Total			1,363

CFMO Name:
Phone Number:

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019					
3. INSTALLATION AND LOCATION Bellevue Nebraska		4. AREA CONSTRUCTION COST INDEX .99					
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
USAF	Bellevue, NE	1.00 miles Base	1,087,795 m2 (11,708,928 SF)1948				
ARNG	Omaha, NE	9.00 miles Readiness Center	3,862 m2 (41,566 SF) 1962				
ARNG	Council Bluffs, IA	13.00 miles Readiness Center	4,549 m2 (48,960 SF) 1993				
ARNG	Omaha, NE	18.00 miles Readiness Center	3,974 m2 (42,771 SF) 2005				
ARNG	Ashland, NE	20.00 miles Training Center	3,965,918 m2 (42,688,800 SF)1917				
ARNG	Mead, NE	26.00 miles Training Center	4,844,085 m2 (52,141,320 SF)1965				
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST	DESIGN STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>				
17180	NATIONAL GUARD READINESS	11,860 m2 (127,663 SF)	29,000 MAR 2018 SEP 2019				
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			15 MAR 2018 (Date)				
9. LAND ACQUISITION REQUIRED			0 (Number of acres)				
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		SCOPE	COST (\$000)				
<u>CODE</u>	<u>PROJECT TITLE</u>						
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 0							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 OCT 2018							
	PERMANENT			GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	19	2	17	0	369	25	344
ACTUAL	31	7	24	0	327	24	303
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
D2 189TH TRANS MDM TRK CO	WPV7A2	35547	NGWPV799	44	41		
(AUG TC CO AUG)	WPV799	35547	NGWPV799	11	11		
623RD- (CO VERTICAL CONSTRUCT)	WX2ZAA	30545	05420KNG20	106	96		
195TH FSC, SUS BDE	WP3WAA	46392	63868KNG01	141	115		
(DET CST (WMD))	W7MKAA	7S300	NGW7MKAA	22	16		
192ND MP LAW ENFORCEMENT DET	WPPZAA	31926	19713KNG10	45	48		
				369	327		
Assigned/Authorized: 89%							

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019
3. INSTALLATION AND LOCATION Bellevue Nebraska		4. AREA CONSTRUCTION INSNO= 31C25 COST INDEX .99
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	121	121
TRAILERS	106	108
TRACKED	0	0
EQUIPMENT > 30 FT	54	54
Fuel Truck	7	7
HET	0	0
TOTALS	288	290
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Bellevue Nebraska				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85645 310102		8. PROJECT COST (\$000) Approp 29,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						23,548
17180 Readiness Center		m2 (SF)	10,817 (116,428)		1,920	(20,772)
44224 Unheated Storage Building		m2 (SF)	992.67 (10,685)		807.29	(801)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		2,153	(66)
44240 Flammable Materials Facility		m2 (SF)	20.44 (220)		2,153	(44)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
Total from Continuation page(s)						(1,715)
SUPPORTING FACILITIES						3,137
Electric Service		LS	--		--	(115)
Water, Sewer, Gas		LS	--		--	(378)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,327)
Storm Drainage		LS	--		--	(221)
Site Imp(464) Demo()		LS	--		--	(464)
Information Systems		LS	--		--	(154)
Antiterrorism Measures		LS	--		--	(245)
Other		LS	--		--	(233)
ESTIMATED CONTRACT COST						26,685
CONTINGENCY (5.00%)						1,334
SUBTOTAL						28,019
SUPV, INSP & OVERHEAD (3.50%)						981
TOTAL REQUEST						29,000
TOTAL FEDERAL REQUEST						29,000
TOTAL FEDERAL REQUEST (ROUNDED)						29,000
INSTALLED EQT-OTHER APPROP						(2,745)
10. Description of Proposed Construction A specially designed National Guard Readiness Center Building of permanent construction. The Readiness Center will include a specially designed Civil Support Team (CST) Ready Building space. It will also include the following items that are integral to the facility; Backup/Emergency Generator, Organizational Vehicle Parking (Paved), Controlled Waste Facility, Flammable Materials Facility, and Unheated Storage Building. This project will include comprehensive interior design. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 138,903 SQFT. Disposal of 18 buildings at Greenlief Ttraining Support/Utes 01, NE (Total 4,013 m2/43,200 SF), 2 buildings at Lexington Readiness Center, NE (Total 1,810 m2/19,482 SF), 4 buildings at Lincoln Complex and Field Maint Shop 01, NE (Total 882 m2/9,498 SF), 2 buildings at Nebraska City						

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Bellevue Nebraska	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85645 310102	8. PROJECT COST (\$000) Approp 29,000
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9. COST ESTIMATES (CONTINUED)					
ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)					
85210 Rigid Pavement for MEP	m2 (SY)	14,862 (17,775)	84.32	(1,253)	
Sustainability/Energy Measures	LS	--	--	(462)	
			Total	1,715	

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)
 Readiness Center, NE (Total 1,727 m2/18,590 SF), 3 buildings at Ogallala Readiness Center, NE (Total 2,840 m2/30,572 SF), 2 buildings at Wahoo Readiness Center, NE (Total 1,614 m2/17,369 SF), and 1 building at York Readiness Center, NE (Total 18 m2/192 SF).
 Air Conditioning (Estimated 1,294 kW/368 Tons).

11. REQ: 11,860 m2 ADQT: NONE SUBSTD: NONE

PROJECT: To construct a 127,663 SQFT National Guard Readiness Center that supports training, administrative, and logistical requirements for the NEARNG. This facility will be built on Federal land. (Current Mission)

REQUIREMENT: This facility is designed to meet DA directed MTOE changes for the listed units authorized soldiers: WP3WAA 195th Forward Support Co; WX2ZAA(-) 623rd Eng Co; WPPZAA MP Co; WPV7A2 Det 2 Trans Co; W7MKAA 72nd Civil Support Team; WPV799 AUG TDA TC Co.

CURRENT SITUATION: This project is critical to the state of Nebraska due to the current situation of the units are currently stationed at five readiness centers that are overcrowded and do not meet mission and space requirements. Three of the readiness centers will be utilized by the remaining units that are not part of this project. Two of the readiness centers are over fifty years old and will be disposed and sold. The 72nd CST is stationed at a Readiness Center that does not have the specialized arrangement of spaces found in a Ready Building. This project will construct a wing using a Ready Building design.

This project will construct a readiness center at Bellevue, NE on federal land owned by Offutt AFB that is outside the fence. This parcel was formerly based housing that was demolished and will be redeveloped as a readiness center by the NEARNG. NEARNG is working with NGB, CODEL, USACE and AF to facilitate permitting and licensing the land.

The State of Nebraska has conducted a preliminary design on this project and is currently at 35 % Design.

The site for this project is not in the possession of the state of Nebraska.

Currently, the state of Nebraska has begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1956.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
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1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA						2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Bellevue Nebraska							4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A			6. CATEGORY CODE 17180		7. PROJECT NUMBER 85645 310102			8. PROJECT COST (\$000) Approp 29,000	
<u>CURRENT SITUATION: (CONTINUED)</u>									
31B20	6371	17180	ARM00	2018	F3	Q3	C3	NEBRASKA CITY READINESS CENTER	
31B75	7755	17180	ARM00	2018	F3	Q4	C3	WAHOO READINESS CENTER	
31C00	6564	17180	00001	2018	F1	Q1	C3	NORTH OMAHA READINESS CENTER	
31875	5909	17180	00001	2018	F2	Q4	C3	EAST CAMPUS READINESS CENTER	
31558	170742	17142	00001	2017	F1	Q1	C3	COLUMBUS NATIONAL GUARD/RESERVE CENTER	
<p>Nebraska City and Wahoo Readiness Centers are 50+ year old facilities that do not meet current building code and ADA requirements.</p> <p>The current sites cannot meet Schedule I (Readiness Center Allowances), Schedule II (Unit and Special Allowances) or land allowances as per NG Pam 415-12, Chapters 1 and 2, including administrative office space, classrooms, kitchen, Unit storage, supply, vault, lockers, military vehicle and private vehicle parking.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The current space shortages and conditions continue to pose a threat to Unit readiness. The 195th Forward Support Company and 623rd Vertical Engineers have significant storage requirements that will continue to not be met. The 72nd Civil Support Team does not have a Ready Building to operate out of. Operations and Maintenance expenditures will continue to be high due to lack of energy efficiency and failing systems. Equipment maintenance costs will become unaffordable due to lack of proper organizational storage. Recruiting and Retention are continually affected due to working in dilapidated facilities.</p> <p><u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>									

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Bellevue Nebraska	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85645 310102	8. PROJECT COST (\$000) Approp 29,000
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ADDITIONAL: (CONTINUED)
 JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	MAR 2018
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	JUN 2018
(d) Date Design Complete.....	SEP 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,600
(b) All Other Design Costs.....	907
(c) Total Design Cost.....	2,507
(d) Contract.....	2,507
(e) In-house.....	0

(4) Construction Contract Award..... OCT 2019

(5) Construction Start..... DEC 2019

(6) Construction Completion..... OCT 2021

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Bellevue Nebraska	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85645 310102	8. PROJECT COST (\$000) Approp 29,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	1,450
Kitchen Equipment (Type C)	OMNG	2021	50
ESS (171R)	OPA	2021	54
Info Sys - ISC	OPA	2021	617
Info Sys - PROP	OMNG	2021	574
		Total	<u>2,745</u>

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019
3. INSTALLATION AND LOCATION Concord New Hampshire		4. AREA CONSTRUCTION COST INDEX 1.03
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS		
ARNG	Concord, NH	2.00 miles Readiness Center 3,240 m2 (34,877 SF) 1961
ARNG	Manchester, NH	19.00 miles Readiness Center 9,256 m2 (99,628 SF) 1937
ARNG	Franklin, NH	20.00 miles Readiness Center 1,368 m2 (14,729 SF) 1965
ARNG	Strafford, NH	29.00 miles Training Center 1,516 m2 (16,315 SF) 1985
ARNG	Hillsborough, NH	29.00 miles Readiness Center 1,057 m2 (11,374 SF) 1955
ARNG	Hillsborough, NH	29.00 miles Maintenance Facility 527 m2 (5,677 SF) 1950
7. PROJECTS REQUESTED IN THIS PROGRAM		
CATEGORY	SCOPE	COST (\$000) DESIGN STATUS
<u>CODE</u> <u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMP</u>
17180 NATIONAL GUARD READINESS	1,371 m2 (14,755 SF)	5,900 JUN 2018 OCT 2019
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION		
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		14 MAR 2018 (Date)
9. LAND ACQUISITION REQUIRED		
None		0 (Number of acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY	SCOPE	COST (\$000)
<u>CODE</u> <u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>
NONE		
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 6,000		
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.		
11. PERSONNEL STRENGTH AS OF 17 OCT 2018		
	PERMANENT	GUARD/RESERVE
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	29 9 20 0	111 33 78
ACTUAL	12 3 9 0	131 31 100

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019			
3. INSTALLATION AND LOCATION Concord New Hampshire		4. AREA CONSTRUCTION COST INDEX 1.03			
12. RESERVE UNIT DATA					
				<u>STRENGTH</u>	
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
CO C (BN GEN SPT AVN BN)	WTQVC0	03738	01225KNG12	45	56
DET 3 CO D (BN GEN SPT AVN BN)	WTQVD3	03738	01225KNG12	19	21
DET 3 CO E (BN GEN SPT AVN BN)	WTQVE3	03738	01225KNG12	6	10
DET 3 HHC (BN GEN SPT AVN BN)	WTQVT3	03738	01225KNG12	1	1
BN GEN SPT AVN BN	WYHMT4		01225KNG14	0	0
CO A 1 BN 169 AV RGMT (BN GEN SPT A	WYHMA0		01225KNG14	18	18
CO E DET 1 (BN GEN SPT AVN BN)	WYHME1	20122	01225KNG14	7	8
CO D DET 1 (BN GEN SPT AVN BN)	WYHMD1	20122	01225KNG14	7	9
NH OP SPT AIRLIFT DET 18 (STA ARND	W7Y418		NGW7Y4AA	8	8
				111	131
Assigned/Authorized: 118%					
13. MAJOR EQUIPMENT AND AIRCRAFT					
<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED				8	8
TRAILERS				14	14
TRACKED				0	0
EQUIPMENT > 30 FT				0	0
Fuel Truck				4	4
HET				0	0
TOTALS				26	26
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES					
				(\$000)	
A. AIR POLLUTION				0	
B. WATER POLLUTION				0	
C. OCCUPATIONAL SAFETY AND HEALTH				0	

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Concord New Hampshire				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85475 330050		8. PROJECT COST (\$000) Approp 5,950	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						4,943
17180 Readiness Center		m2 (SF)	1,371 (14,755)		3,269	(4,481)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
85210 Rigid Pavement for MEP		m2 (SY)	1,798 (2,150)		119.60	(215)
Sustainability/Energy Measures		LS	--		--	(97)
<u>SUPPORTING FACILITIES</u>						426
Water, Sewer, Gas		LS	--		--	(40)
Paving, Walks, Curbs And Gutters		LS	--		--	(182)
Storm Drainage		LS	--		--	(40)
Site Imp(49) Demo()		LS	--		--	(49)
Antiterrorism Measures		LS	--		--	(70)
Other		LS	--		--	(45)
ESTIMATED CONTRACT COST						5,369
CONTINGENCY (5.00%)						268
SUBTOTAL						5,637
SUPV, INSP & OVERHEAD (5.53%)						312
TOTAL REQUEST						5,949
TOTAL FEDERAL REQUEST						5,949
TOTAL FEDERAL REQUEST (ROUNDED)						5,900
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, and Organizational Vehicle Parking (Paved). Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update Dec 2017. Access for individuals. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 14,801 SQFT. Disposal of 1 building at Eunice Readiness Center, LA (Total 14 m2/151 SF), 1 building at National Guard Training Site, NH (Total 14 m2/151 SF), 2 buildings at State Military Reservation, NH (Total 972 m2/10,467 SF), 2 buildings at Army Aviation Support Facility, NH (Total 48 m2/514 SF), 1 building at Keene Readiness Center, NH (Total 13 m2/144 SF), 1 building at Lebanon Readiness Center, NH (Total 8 m2/82 SF), 1 building at Nashua Readiness Center, NH (Total 14 m2/152 SF), 1 building at Portsmouth Readiness Center, NH (Total 6 m2/66 SF), 1 building at						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Concord New Hampshire				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85475 330050		8. PROJECT COST (\$000) Approp 5,950	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Somersworth Readiness Center, NH (Total 7 m2/74 SF), and 1 building at Woodsville Readiness Center, NH (Total 279 m2/3,000 SF). Air Conditioning (Estimated 127 kW/36 Tons).						
11. REQ: 1,371 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: To construct 14,755 SF National Guard Readiness Center that supports training, administrative, and logistical requirements for the NHARNG. This facility will be built on state land. (Current Mission)						
REQUIREMENT: The facilities are designed to meet Department of Army directed MTOE changes for the aviation units; C Co (-), 3rd Battalion, 238th Aviation Regiment (WTQVC0), Det 3, HHC, 3-238th AV (WTQVT3), Det 3, D Co, 3-238th AV (WTQVD3), Det 3, E Co, 3-238th AV (WTQVE3) and A Company (-), 1st Battalion, 169th Aviation Regiment (WYHMA0), Det 4, HHC, 1-169th AV (WYHMT4), Det 1, D Co, 1-169th AV (WYHMD1), Det 1 E Co, 1-169th AV (WYHME1). The aviation units have transformed and equipment fielding has increased. This project will provide significantly enhance strategic readiness by placing aviation units with their aircraft and relocate Soliders and equipment into facilities that meet training and storage requirements. Existing facility will continued to be used as a Readiness Center for four other NHARNG units. The facility is to be constructed on already acquired state property adjacent to the Army Aviation Support Facility as directed by NGR 415-10, Chapter 4, 4-5.a.						
CURRENT SITUATION: This project is critical to the state of New Hampshire due to the current situation of overcrowding in an readiness center that houses five ARNG units. Aviation Soldiers are not co-located with aircraft and equipment hampering training and logistics. The facility is old (56 years), requires modernization and expansion to mitigate risks related to indoor air quality problems, occupational illnesses and injuries, exposure to hazardous materials, and accidental falls. Site constraints, mechanical systems that are undersized, beyond their useful life make addition and alteration non-viable.						
The State of New Hampshire has conducted a preliminary design on this project and is currently at 10 % Design.						
The site for this project is in the possession of the state of New Hampshire.						
Currently, the state of New Hampshire has begun the environmental assessment on this project.						
There currently is no facility to complete the mission.						
The RAC score for this facility is Critical due to current facility hazards. Exposure to lead exceeding 200 micrograms per square foot. Personnel are exposed to humidity levels which do not meet the US Army Center for Health Promotion and Prevention Medicine of 30-60%, and equipment being exposed to extreme climactic conditions in New Hampshire without protection. Anti Terrorism Force Protection minimum standoff distances are not met potentially exposing personnel and facility catastrophic damage.						
1) Equipment and supplies stored improperly due to lack of space OSHA 1910.22(a)(1) All places of employment, passageways, storerooms, and service rooms shall be kept clean and						

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Concord New Hampshire	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85475 330050	8. PROJECT COST (\$000) Approp 5,950
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CURRENT SITUATION: (CONTINUED)
orderly and in a sanitary condition.
2)Electrical code violations- minimum space and accessiblity standards do not meet OSHA 1910.303.
3)Ventilation- vehicles operating in the Drill Hall due to lack of training bay, building air exchange rates OSHA: 1910.94.
4)Second floor means of egress. 1910.37, 1910.35
Means of egress- 1910.36(a) (2) An exit must be separated by fire resistant materials. 1910.36(b) (1) More than two exits. Note to paragraph (b) of this section: For assistance in determining the number of exit routes necessary for your workplace, consult NFPA 101-2009, Life Safety Code, or IFC-2009, International Fire Code (incorporated by reference, see § 1910.6).
5)Presence of Asbestos & Lead in the workplace. OSHA 1910-1001 & 1910.1025

High maintenance and utility costs due to building systems that are beyond useful life and do not meet energy star ratings.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
33A15	7415	17180	0000M	2017	F4	Q4	C4	Building M

The following items are a description of Federal State and local code violations; Faulty wiring by use of romex cable. Lacking hand and safety rails. Insufficient lighting. No Air Conditioning or dehumidification. No ADA ramps. Out of date fire protection.

The current facilities do not comply with NG Pam 415-12 criteria and allowances. Lacking spaces include; training, administrative, supply room, toilets/showers, locker room, privately owned vehicle parking, military parking. Installation Status Report (ISR) notes failing ratings Mission and Quality. There is no maintenance training bay. Lack of railings/grab bars, bathroom space and ramps make it fail the basic Americans with Disabilities Act (ADA), minimums. Most building systems are in the vicinity of 25 years old and beyond their useful life expectancy.

IMPACT IF NOT PROVIDED: If this project is not provided, The Adjutant General's priority to station aviation units with aircraft and equipment will not be met; currently being stored at the Army Aircraft Support Facility. Separation will continue to negatively impact emergency response capabilities for state active duty. Failing readiness center poses a threat to unit readiness in support of our federal mission. Life Safety risks will remain high. Operations and Maintenance expenditures will continue to be high due to lack of consolidation. Equipment maintenance costs will become unaffordable due to lack of proper organizational storage.

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Concord New Hampshire	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85475 330050	8. PROJECT COST (\$000) Approp 5,950
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ADDITIONAL: (CONTINUED)

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

A parametric cost estimate based upon project engineering design was used to develop this budget estimate.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JUN 2018
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	SEP 2018
(d) Date Design Complete.....	OCT 2019
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	322
(b) All Other Design Costs.....	183
(c) Total Design Cost.....	505
(d) Contract.....	505

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Concord New Hampshire	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85475 330050	8. PROJECT COST (\$000) Approp 5,950
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(e) In-house.....	0
(4) Construction Contract Award.....	OCT 2019
(5) Construction Start.....	DEC 2019
(6) Construction Completion.....	OCT 2021

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	247
ESS (171R)	OPA	2021	54
		Total	301

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019					
3. INSTALLATION AND LOCATION Moon Township Pennsylvania		4. AREA CONSTRUCTION COST INDEX 1.08					
5. FREQUENCY AND TYPE OF UTILIZATION Maintenance operations full time 5 days/week and 1 weekend/month for IDT Units.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ANG	Pittsburgh, PA	5.00 miles Aviation Facility 0 m2 (0 SF) 0					
ARNG	Pittsburgh, PA	14.00 miles Readiness Center 3,028 m2 (32,588 SF) 1933					
ARNG	Beaver Falls, PA	29.00 miles Readiness Center 2,678 m2 (28,827 SF) 1979					
ARNG	Washington, PA	36.00 miles Readiness Center 4,253 m2 (45,774 SF) 1968					
ARNG	New Castle, PA	48.00 miles Readiness Center 2,504 m2 (26,950 SF) 1936					
ARNG	Greensburg, PA	54.00 miles Readiness Center 1,952 m2 (21,007 SF) 1972					
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY		COST					
		<u>DESIGN STATUS</u>					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					
<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>					
21419	COMBINED SUPPORT MAINTENA	5,088 m2 (54,770 SF) 23,000 JAN 2010 OCT 2019					
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		<u>03 AUG 2017</u> (Date)					
9. LAND ACQUISITION REQUIRED							
None		<u>0</u> (Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					
		<u>(\$000)</u>					
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 10,123							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 NOV 2017							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	63	0	0	63	0	0	0
ACTUAL	63	0	0	63	0	0	0
12. RESERVE UNIT DATA			<u>STRENGTH</u>				
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
(EQP PA ARNG COMBINED)	W8WGAA		NGW8WGAA	<u>0</u>	<u>0</u>		
				0	0		
Assigned/Authorized: 0%							

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019																								
3. INSTALLATION AND LOCATION Moon Township Pennsylvania		4. AREA CONSTRUCTION COST INDEX 1.08																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
<table border="0"> <thead> <tr> <th><u>TYPE</u></th> <th><u>AUTHORIZED</u></th> <th><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>WHEELED</td> <td>850</td> <td>11</td> </tr> <tr> <td>TRAILERS</td> <td>834</td> <td>7</td> </tr> <tr> <td>TRACKED</td> <td>8</td> <td>0</td> </tr> <tr> <td>EQUIPMENT > 30 FT</td> <td>94</td> <td>0</td> </tr> <tr> <td>Fuel Truck</td> <td>83</td> <td>0</td> </tr> <tr> <td>HET</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTALS</td> <td>1,869</td> <td>18</td> </tr> </tbody> </table>	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	WHEELED	850	11	TRAILERS	834	7	TRACKED	8	0	EQUIPMENT > 30 FT	94	0	Fuel Truck	83	0	HET	0	0	TOTALS	1,869	18		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>																								
WHEELED	850	11																								
TRAILERS	834	7																								
TRACKED	8	0																								
EQUIPMENT > 30 FT	94	0																								
Fuel Truck	83	0																								
HET	0	0																								
TOTALS	1,869	18																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
A. AIR POLLUTION	0																									
B. WATER POLLUTION	0																									
C. OCCUPATIONAL SAFETY AND HEALTH	0																									

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Moon Township Pennsylvania				4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21419	7. PROJECT NUMBER 85505 420103		8. PROJECT COST (\$000) Approp 23,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						14,534
21419 Maintenance Shop		m2 (SF)	4,575 (49,241)		2,583	(11,818)
21470 Bulk POL Storage		m2 (SF)	40.88 (440)		2,099	(86)
44240 Flammable Materials Facility		m2 (SF)	61.32 (660)		1,245	(76)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,305	(40)
21412 Enclosed Unheated Storage		m2 (SF)	380.81 (4,099)		1,076	(410)
Total from Continuation page(s)						(2,104)
SUPPORTING FACILITIES						6,653
Electric Service		LS	--		--	(200)
Water, Sewer, Gas		LS	--		--	(1,189)
Paving, Walks, Curbs And Gutters		LS	--		--	(2,359)
Storm Drainage		LS	--		--	(575)
Site Imp(1,200) Demo()		LS	--		--	(1,200)
Information Systems		LS	--		--	(225)
Antiterrorism Measures		LS	--		--	(413)
Other		LS	--		--	(492)
ESTIMATED CONTRACT COST						21,187
CONTINGENCY (5.00%)						1,059
SUBTOTAL						22,246
SUPV, INSP & OVERHEAD (3.39%)						754
TOTAL REQUEST						23,000
TOTAL FEDERAL REQUEST						23,000
TOTAL FEDERAL REQUEST (ROUNDED)						23,000
INSTALLED EQT-OTHER APPROP						(1,363)
10. Description of Proposed Construction A specially designed National Guard Combined Surface Maintenance Shop of permanent construction. The National Guard Combined Surface Maintenance Shop includes the following items that are integral to the facility; Organizational Vehicle Parking (Paved), Bulk POL Storage, Controlled Waste Facility, Flammable Materials Facility, Enclosed Unheated Storage, Electric Power (Photovoltaic), and Heating Plant (Geothermal). This project will include comprehensive interior design. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Site will include Fuel Storage and Dispensing System as well as a Loading Dock and Loading Ramp. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 54,770 SQFT Disposal of 1 building at Vanderbilt Road Readiness Center, PA (Total 356 m2/3,828 SF), 10 buildings at Coraopolis Readiness Center, PA (Total 2,948 m2/31,731 SF), and 1 building at Hunt Readiness Center,						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Moon Township Pennsylvania				4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21419		7. PROJECT NUMBER 85505 420103		8. PROJECT COST (\$000) Approp 23,000	
9. COST ESTIMATES (CONTINUED)							
ITEM		UM (M/E)		QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)							
85210 Rigid Pavement for MEP		m2 (SY)		7,901 (9,450)		137.54	(1,087)
81122 Electric Power, Photovoltaic		EA		1 --		405,350	(405)
82187 Heating Plant, Geothermal		EA		1 --		326,956	(327)
Sustainability/Energy Measures		LS		--		--	(285)
						Total	2,104
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)							
PA (Total 1,785 m2/19,211 SF). Air Conditioning (Estimated 197 kW/56 Tons).							
11. REQ: 5,088 m2 ADQT: NONE SUBSTD: NONE							
PROJECT: To construct a 54,770 SF Combined Support Maintenance Shop that supports training, administrative, and logistical requirements for the PAARNG. It provides reinforced Field Level Maintenance and Sustainment maintenance of PAARNG military vehicles/equipment. This facility will be built on State leased land. (Current Mission)							
REQUIREMENT: This facility is designed to meet maintenance requirements for Western Pennsylvania 56th Bde Styker and 2 IBCT MTOE units.							
Direct support for: WPGMC0, WPN5AA, WPN6A0, WPN6C0, WTU1T0, WTU1A0, WTU1B0, WTU1C0, WTU1D0, WZFYT0, WZFYB0, WZFYC0, WZFYE0							
Secondary Support for: WPGWT0, WPGWA0, WPGWB0, WPGWC0, WPGWC1, WZFXH0, WPGNT0, WPGNA0, WPGNB0, WZFYG0, WPGFAA, WPGFA1, WPGMA0, WPN6T0, WPN6B0, WUASC1, WUASD4, WUASE4, WV7PC0, WV7PT1, WV7PD1, WV7PE1, WX1EAA, WP53AA, W7Y422, W8QYAA, WYHVC0, WYHVD1, WYHVE1, WYHVT1							
CURRENT SITUATION: This project is critical to the state of Pennsylvania due to the current situation of operational readiness is greatly reduced, due to the existing facility being grossly undersized and in substandard condition. The state currently has a deficit of 59% of maintenance facilities. Movement of vehicles in and around the site is cumbersome and inefficient due to lack of space. Repair and maintenance of the existing structures are constant and the operating costs are exhorbetent due to the type and age of construction.							
The State of Pennsylvania has conducted a preliminary design on this project and is currently at 35 % Design.							
The site for this project is in the possession of the state of Pennsylvania.							
Currently, the state of Pennsylvania has not begun the environmental assessment on this project.							

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Moon Township Pennsylvania	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85505 420103	8. PROJECT COST (\$000) Approp 23,000
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CURRENT SITUATION: (CONTINUED)
The facility where the current operations are being conducted was constructed in 1938.

The following Safety issues are identified from the December 2017 safety inspection: water leaking in first floor office, GFCI needed within six feet of water, no emergency lighting, water intrusion in the break room, poor illumination in maintenance bay, inadequate ventilation in maintenance bay, and insufficient exhaust stack in maintenance bay.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
42B15	4546	21419	00001	2018	F4	Q4	C4	
42B15	4546	21419	00003	2018	F4	Q4	C4	

IMPACT IF NOT PROVIDED:
If this project is not provided, overall MTOE equipment readiness will continue to be impaired in the western part of the state due to the increased wait time at the current facility which only has 4 undersized single bays. In addition to closing this space-deficient current facility, the new Moon Township CSMS will also incorporate and close two additional undersized Field Maintenance Shops within 65 road miles of the new location.
Operations & Maintenance (O&M) costs will continue to increase if this project is not funded as critical Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance (C4ISR) maintenance can only be accomplished on 30% of the inventory due to existing facility power constraints and lack of dedicated bay space. This requires technicians to go on costly service trips with labor hours lost due to windshield time. Due to space constraints, the current management offices lie in the second story of a separate building, further increasing O&M costs due to less effectual management. Moreover, the space deficiencies throughout the work bays, offices, and storage areas negatively impact the O&M costs of conducting routine workday business due to facility inefficiency. The absence of adequate and appropriate indoor organizational storage leaves a significant amount of repair and stock parts to be left out in the elements year-round. Rain, snow, and sun exposure continues to deteriorate major repair items and shortens their shelf life.
Other major impacts if not provided are related to the inadequate two-acre site location. First, there is no space to feasibly pull commercial or military semi-truck and trailer combos into the compound for critical supply and vehicle deliveries and pickups. Second, the orientation of the work bay openings makes it extremely difficult to pull large MTOE equipment in for service especially since there are no pull-through bays. Third, vehicles awaiting service or pickup are parked at extremely close intervals with a subsequent greater chance of damage. Currently, the facility is not in compliance with DoD Minimum Antiterrorism Standards for Buildings (UFC 4-010-01) which is extremely detrimental due to the location of the facility in a heavily developed urban environment. Standoff distances are nonexistent and cannot be accomplished at the current location.
Finally, retention and recruitment of the force is increasingly difficult due to low morale from Soldiers continually performing operations in a facility that does not fully support the required mission.

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Moon Township Pennsylvania	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85505 420103	8. PROJECT COST (\$000) Approp 23,000
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ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Moon Township Pennsylvania			4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85505 420103		8. PROJECT COST (\$000) Approp 23,000	

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JAN 2010
(b) Percent Complete as of January 2019.....	100
(c) Date 35% Designed.....	FEB 2012
(d) Date Design Complete.....	OCT 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	1,297
(b) All Other Design Costs.....	735
(c) Total Design Cost.....	2,032
(d) Contract.....	2,032
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... MAR 2022

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	1,150
ESS (214L)	OPA	2021	56
Info Sys - ISC	OPA	2021	95
Info Sys - PROP	OMNG	2021	62
		Total	1,363

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAR 2019
3. INSTALLATION AND LOCATION Moon Township Pennsylvania		4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP	
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 85505 420103	8. PROJECT COST (\$000) Approp 23,000

CFMO Name:
Phone Number:

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10 MAR 2019			
3. INSTALLATION AND LOCATION Richland Washington			INSNO= 53A20	4. AREA CONSTRUCTION COST INDEX 1.07			
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
USCG	Bellingham, WA	8.00 miles	Base	9,290,300 m2 (99,999,999 SF)1947			
USN	Oak Harbor, WA	55.00 miles	Base	9,290,300 m2 (99,999,999 SF)1941			
USN	Bangor Trident Base,	106.00 miles	Base	9,290,300 m2 (99,999,999 SF)1942			
USA	Fort Lewis, WA, WA	133.00 miles	Base	9,290,300 m2 (99,999,999 SF)1917			
USAF	McChord AFB, WA	133.00 miles	Base	9,290,300 m2 (99,999,999 SF)1917			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY				COST	DESIGN STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>(\$000)</u>	<u>START</u> <u>CMPL</u>		
17180	NATIONAL GUARD READINESS	3,912 m2	(42,112 SF)	11,400	DEC 2017 DEC 2019		
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				11 JUL 2018 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY				COST			
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>(\$000)</u>			
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 11,400							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 17 OCT 2018							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	5	0	5	0	121	4	117
ACTUAL	2	0	2	0	108	4	104
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
CO B (BN INF BN (SBCT))	WPRJB0	12081	07195KNG05	108	95		
DET 1, CO G 181ST BN BDE SPT BN (SB	WQYTG1	12081	63055KNG02	13	13		
				121	108		
Assigned/Authorized: 89%							

1. COMPONENT ARNG	FY 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 MAR 2019
3. INSTALLATION AND LOCATION Richland Washington		4. AREA CONSTRUCTION COST INDEX 1.07
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	17	17
TRAILERS	8	8
TRACKED	0	0
EQUIPMENT > 30 FT	1	1
Fuel Truck	0	0
HET	0	0
TOTALS	26	26
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Richland Washington				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85572 531201		8. PROJECT COST (\$000) Approp 11,400	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						10,595
17180 Readiness Center		m2 (SF)	3,871 (41,672)		2,478	(9,595)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,345	(41)
44240 Flammable Materials Facility		m2 (SF)	10.22 (110)		1,421	(15)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
85210 Rigid Pavement for MEP		m2 (SY)	1,108 (1,325)		131.56	(146)
Total from Continuation page(s)						(648)
SUPPORTING FACILITIES						2,546
Electric Service		LS	--		--	(94)
Water, Sewer, Gas		LS	--		--	(306)
Paving, Walks, Curbs And Gutters		LS	--		--	(394)
Storm Drainage		LS	--		--	(102)
Site Imp(318) Demo()		LS	--		--	(318)
Information Systems		LS	--		--	(43)
Antiterrorism Measures		LS	--		--	(173)
Other		LS	--		--	(1,116)
ESTIMATED CONTRACT COST						13,141
CONTINGENCY (5.00%)						657
SUBTOTAL						13,798
SUPV, INSP & OVERHEAD (6.16%)						850
DESIGN/BUILD-DESIGN COST (4.00%)						552
TOTAL REQUEST						15,200
Other Non-DoD Component Share						3,800
TOTAL FEDERAL REQUEST						11,400
TOTAL FEDERAL REQUEST (ROUNDED)						11,400
INSTALLED EQT-OTHER APPROP						(1,220)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, Geothermal and Photovoltaic power, Organizational Vehicle Parking (Paved), Controlled Waste Facility, Flammable Materials Facility. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per Public Law 90-480. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update Dec 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 43,702 SQFT. Disposal of 2 buildings at Bellingham Readiness Center, WA (Total 2,030 m2/21,848 SF), 1 building at Poulsbo Readiness Center, WA (Total 1,173 m2/12,624 SF), and 1 building at Toppenish Readiness Center, WA (Total 857 m2/9,230 SF).						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Richland Washington				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85572 531201		8. PROJECT COST (\$000) Approp 11,400	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
81122 Electronic Power, Photovoltaic		EA	1 --	140,000	(140)	
82187 Renewable Energy- Geothermal		EA	1 --	300,000	(300)	
Sustainability/Energy Measures		LS	--	--	(208)	
				Total	648	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Air Conditioning (Estimated 468 kW/133 Tons).						
11. REQ: 3,912 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: To construct a 42,018 SQFT National Guard Readiness Center that supports training, administrative, and logistical requirements for the WAARNG. This facility will be built on State land. (Current Mission)						
REQUIREMENT: The Readiness Center will provide the authorized administrative, training and storage areas to allow the two Stryker units to achieve proficiency in required training tasks, improve readiness and maintain Soldier morale.						
Co B, 1-161 INF BN (WPRJB0)with 108 PAX and Det1, Co. G, 1-181 (WQYTG1)with 12 PAX will move into the facility.						
CURRENT SITUATION: This project is critical to the state of Washington due to the current situation of the lost Bellingham facility. The lease expired and could not be renewed. 40 acres of land was acquired by the state to replace the lost site and facility. WA units are in the process of converting to Stryker's. This MILCON is needed to replace the loss of the Bellingham facility, and reduce the overcrowding of personnel and equipment at various facilities where the unit was dispersed to.						
The State of Washington has conducted a preliminary design on this project and is currently at 35 % Design.						
The site for this project is in the possession of the state of Washington.						
Currently, the state of Washington has begun the environmental assessment on this project.						
There currently is no facility to complete the mission.						
This project will resolve the overcrowding of other facilities that picked up the stationing of the Bellingham Soldiers and Equipment due to the cancellation of the lease. The probability of affecting the training, operations and administrative actions of the unit is "Major". Currently, there is no dedicated Readiness Center to replace the lost facility.						
Not having a new facility will continue to impede the training, administrative, and logistical operations of the units.						

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAR 2019																												
3. INSTALLATION AND LOCATION Richland Washington				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER																														
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180		7. PROJECT NUMBER 85572 531201		8. PROJECT COST (\$000) Approp 11,400																												
<u>CURRENT SITUATION: (CONTINUED)</u>																																		
<p>WA Units are transitioning into Stryker units causing storage and parking shortages. Overcrowded storage areas also cause fire safety violations. Overcrowded classroom space creates a hazard regarding evacuation and fire code violations.</p> <p>There is no current facility to replace the loss of the Bellingham Readiness Center. The displaced Soldier's and equipment from this past location have been dispersed to various other locations throughout WA, causing a deficit in space utilization. This causes an increase in operating and maintenance costs at overcrowded facilities.</p> <table border="0"> <tr> <td>Site</td> <td>Site</td> <td>Cat</td> <td>FACNO</td> <td>ISR-I</td> <td>F</td> <td>Q</td> <td>C</td> <td>Local</td> </tr> <tr> <td>Code</td> <td>UID</td> <td>Code</td> <td></td> <td>Year</td> <td>Rating</td> <td>Rating</td> <td>Rating</td> <td>Name</td> </tr> <tr> <td></td> <td></td> <td>17180</td> <td></td> <td></td> <td></td> <td></td> <td>C4</td> <td>No facility</td> </tr> </table> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the units from the now closed Bellingham Armory who have been dispersed to other locations will continue to experience overcrowding. This negatively affects unit training and readiness, equipment storage and security as well as morale. The overcrowding affects overall stationing and a MILCON project will still be required to meet the requirements for the units. The adjustment to the WAARNG stationing plan revealed a shortfall in the southern part of the state and building in Richland allows for additional recruitment into the National Guard. We still have the requirement for MILCON to alleviate the issues above.</p> <p><u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.</p>								Site	Site	Cat	FACNO	ISR-I	F	Q	C	Local	Code	UID	Code		Year	Rating	Rating	Rating	Name			17180					C4	No facility
Site	Site	Cat	FACNO	ISR-I	F	Q	C	Local																										
Code	UID	Code		Year	Rating	Rating	Rating	Name																										
		17180					C4	No facility																										

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Richland Washington	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85572 531201	8. PROJECT COST (\$000) Approp 11,400
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	DEC 2017
(b) Percent Complete as of January 2019.....	65
(c) Date 35% Designed.....	APR 2018
(d) Date Design Complete.....	DEC 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	0
(b) All Other Design Costs.....	447
(c) Total Design Cost.....	447
(d) Contract.....	447
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... SEP 2022

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Richland Washington	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85572 531201	8. PROJECT COST (\$000) Approp 11,400
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12. SUPPLEMENTAL DATA (CONTINUED..)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2021	584
Kitchen Equipment (Type C)	OMNG	2021	50
ESS (171R)	OPA	2021	54
Info Sys - ISC	OPA	2021	210
Info Sys - PROP	OMNG	2021	322
		Total	<u>1,220</u>

CFMO Name:
Phone Number:

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1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various		4. PROJECT TITLE Unspecified Minor Construction			
5. PROGRAM ELEMENT	6. CATEGORY CODE 00000	7. PROJECT NUMBER 86777 990022	8. PROJECT COST (\$000) Approp 15,000		
9. COST ESTIMATES					
1.0000 U.S. DOLLAR/US\$	ITEM	UM (M/E)	QUANTITY	UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>					
00000	Unspecified Minor Construction	LS	--	--	15,000 (15,000)
<u>SUPPORTING FACILITIES</u>					
ESTIMATED CONTRACT COST					
CONTINGENCY (0.00%)					
SUBTOTAL					
SUPV, INSP & OVERHEAD (0.00%)					
TOTAL REQUEST					
TOTAL FEDERAL REQUEST					
INSTALLED EQT-OTHER APPROP					
					15,000 0 <hr/> 15,000 0 <hr/> 15,000 15,000 (0)
10. Description of Proposed Construction Unspecified Minor Military Construction (UMMC) projects which have a funding cost of \$6,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under 10 USC 18233a(a)(1).					
11. REQ: NONE ADQT: NONE SUBSTD: NONE					
PROJECT: For Unspecified Minor Military Construction (UMMC) projects					
REQUIREMENT: This line item is needed to provide for Unspecified Minor Military Construction (UMMC) Program projects for which the need cannot be reasonably foreseen nor justified in time to be included in this Military Construction, Army National Guard Program.					
CURRENT SITUATION: These unforeseen projects address high priorities such as critical mission requirements, environmental protection, and life, health, or safety threatening conditions. These projects cannot wait until the next budget submission.					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....					
(b) Percent Complete as of January 2019.....					
(c) Date 35% Designed.....					
(d) Date Design Complete.....					

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Minor Construction Worldwide Various	4. PROJECT TITLE Unspecified Minor Construction
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5. PROGRAM ELEMENT	6. CATEGORY CODE 00000	7. PROJECT NUMBER 86777 990022	8. PROJECT COST (\$000) Approp 15,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(e) Parametric Cost Estimating Used to Develop Costs.. NO
(f) Type of Design Contract: _____

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	0
(b) All Other Design Costs.....	0
(c) Total Design Cost.....	0
(d) Contract.....	0
(e) In-house.....	0

(4) Construction Contract Award..... _____

(5) Construction Start..... _____

(6) Construction Completion..... _____

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		

1. COMPONENT ARNG		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAR 2019	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT		6. CATEGORY CODE 00000	7. PROJECT NUMBER 86778 990033		8. PROJECT COST (\$000) Approp 20,469	
9. COST ESTIMATES						
1.0000 U.S. DOLLAR/US\$	ITEM	UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						20,469
00000 Planning and Design		LS	--		--	(20,469)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						20,469
CONTINGENCY (0.00%)						0
SUBTOTAL						20,469
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						20,469
TOTAL FEDERAL REQUEST						20,469
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for: parametric, concept, and final design of major and unspecified minor construction projects; value engineering; and the development of standards and criteria for ARNG facilities						
11. REQ:	NONE	ADQT:	NONE	SUBSTD:	NONE	
PROJECT: Planning and design funds.						
REQUIREMENT: These funds are required to provide Planning and Design funds (P&D) for regular Army National Guard Military Construction (MCNG) and Unspecified Minor projects. Included within the design and engineering services is value engineering, and continued development of design criteria and standard designs (conventional functional layouts). This account is dissimilar to any other line item in the Army National Guard's MCNG budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used for Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2020 program; for advancement to final design of projects in FY 2021 and for initiation of design of projects in FY 2022. The funds request for the annual planning and design requirement includes specially designs based on Army National Guard Criteria and Army regulations.						

1. COMPONENT ARNG	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAR 2019
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3. INSTALLATION AND LOCATION Planning and Design Worldwide Various	4. PROJECT TITLE Planning and Design
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5. PROGRAM ELEMENT	6. CATEGORY CODE 00000	7. PROJECT NUMBER 86778 990033	8. PROJECT COST (\$000) Approp 20,469
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date.....
 - (b) Percent Complete as of January 2019..... 0
 - (c) Date 35% Designed.....
 - (d) Date Design Complete.....
 - (e) Parametric Cost Estimating Used to Develop Costs.. NO
 - (f) Type of Design Contract:

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 0
 - (b) All Other Design Costs..... 0
 - (c) Total Design Cost..... 0
 - (d) Contract..... 0
 - (e) In-house..... 0

- (4) Construction Contract Award.....

- (5) Construction Start.....

- (6) Construction Completion.....

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		