

Fiscal Year (FY) 2022 Budget Estimates

AIR FORCE RESERVE



FY 2022
MILITARY CONSTRUCTION
PROGRAM

May
2021

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM JUSTIFICATION
OF ESTIMATES FOR FISCAL YEAR 2022**

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**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION
PROGRAM (DOLLARS IN
THOUSANDS)**

**MAJOR CONSTRUCTION
FY 2022 MILITARY CONSTRUCTION PROJECTS LIST**

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH OF APPROP AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE #</u>
Florida	Homestead ARB Corrosion Control Facility	<u>14,000</u>	<u>14,000</u>	2
Florida	Patrick AFB Recovery Flight Simulator	<u>18,500</u>	<u>18,500</u>	7
Minnesota	Minneapolis- St Paul IAP Mission Support Group Facility	<u>14,000</u>	<u>14,000</u>	11
New York	Niagara Falls IAP Main Gate	<u>10,600</u>	<u>10,600</u>	16
	SUBTOTAL	57,100	57,100	
	TOTAL IN THE UNITED STATES	57,100	57,100	
	Unspecified Minor Construction	0	15,444	
	Planning & Design	<u>0</u>	<u>5,830</u>	
	GRAND TOTAL	57,100	78,374	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION
PROGRAM (DOLLARS IN
THOUSANDS)**

**MAJOR CONSTRUCTION
FY 2022 MILITARY CONSTRUCTION PROJECTS
NEW/CURRENT MISSION, ENVIRONMENTAL LIST**

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	NEW, CURRENT <u>ENVIR</u>	<u>FOOTPRINT</u>
Florida	Homestead ARB Corrosion Control Facility	<u>14,000</u>	Current	New
Florida	Patrick AFB Recovery Flight Simulator	<u>18,500</u>	Current	New
Minnesota	Minneapolis- St Paul IAP Mission Support Group Facility	<u>14,000</u>	Current	New
New York	Niagara Falls IAP Main Gate	<u>10,600</u>	Current	New
	TOTAL	57,100		
	SUBTOTALS:			
	New Mission	0		
	Current Mission	57,100		
	Environmental	0		
	Unspecified Minor Construction	15,444		
	Planning & Design	<u>5,830</u>		
	FY 2022 APPROPRIATIONS TOTAL:	78,374		

SECTION 1
SPECIAL PROGRAM CONSIDERATIONS

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION
PROGRAM MAJOR CONSTRUCTION**

FY 2022 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING

No special program considerations in FY 2022.

SECTION 2

BUDGET APPENDIX EXTRACT

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM**

FY 2022 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air Force Reserve as authorized by Chapter 1803 of Title 10, United States Code, and Military Construction Authorization Acts, \$78,374,000 to remain available until September 30, 2026: Provided, that, of the amount, not to exceed \$5,830,000 shall be available for study, planning, design, and architect and engineer services, as authorized by law, unless the Chief of the Air Force Reserve determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefore.

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM**

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective action is accomplished in accordance with applicable standards and criteria.

Energy Conservation

Military construction projects specifically designed for energy conservation at installations have been developed, reviewed and selected with prioritization by energy savings per investment costs. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals and installation construction projects have been planned to allow for the proper management of flood plains and protection of wetlands by avoiding long-term impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 22990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities in this program do not directly or indirectly affect any district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the project's DD Form 1391.

Environmental Protection

In accordance with Section 102 (2)(c) of the National Environmental Protection Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in this Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects included in this program. This program represents the most economical use of resources.

Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non- flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other services having Reserve flying/non-flying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in these areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that can reasonably be expected to be maintained at authorized strength levels considering the number of persons living in these areas who are qualified for membership in those Reserve units.

Potential Use of Vacant Schools & Other State & Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Congressional Reporting Requirements

Page iii, titled "New/Current Mission, Environmental List," is in response to a Senate Appropriations Committee requirement contained on page 10 (New and Current Mission Activities) of Report #100-380.

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facilities Planning and Design Guide."

SECTION 3

**INSTALLATION AND PROJECT JUSTIFICATION DATA
DD FORMS 1390 AND DD FORMS 1391**

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION HOMESTEAD AIR RESERVE BASE, FLORIDA			4. PROJECT TITLE CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 52576F	6. CATEGORY CODE 211-159	7. PROJECT NUMBER KYJM179021	8. PROJECT COST (\$000) \$14,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITY					11,500
CORROSION CONTROL FACILITY		SM	1,816	6,195	(11,250)
CYBERSECURITY					(250)
SUPPORTING FACILITIES					1,071
COMMUNICATIONS		LS		22.5	(23)
EARTHWORK		LS		316	(316)
UTILITIES		LS		592	(592)
ELECTRICAL POWER GENERATION		KW	100	1,396	(140)
SUBTOTAL					12,571
CONTINGENCY (5%)					<u>629</u>
TOTAL CONTRACT COST					13,200
SIOH (5.7%)					<u>752</u>
TOTAL REQUEST					13,952
TOTAL REQUEST (ROUNDED)					14,000
EQUIPMENT FROM OTHER APPROPRIATIONS					726.4
COMMUNICATION EQUIPMENT (3080)					(50.0)
FURNITURE					(61.1)
COMPREHENSIVE INTERIOR DESIGN					(15.3)
PAINT BOOTH					(600.0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a Two-Bay Hangar facility for aircraft corrosion mitigation/maintenance and wash rack functions. Project will include reinforced concrete foundation, concrete slab, structural steel frame, roofing, exterior, electrical work, site improvements, utilities, fire detection/protection, wash water retention, worker fall protection, bridge cranes, and all necessary supporting facilities and controls for a complete and usable facility. Facility will have individual work surfaces, restrooms, locker/transfer and changing areas/showers, lockers, break area, offices, computer training area, and corrosion maintenance/wash bays. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria UFC 1-200-01, General Building requirements. This project will comply with DoD Antiterrorism/Force Protection requirements per UFC 4-010-01.					
11. Requirement: 1,816 SM Adequate: 0 SM Substandard: 0 SM					
PROJECT: Corrosion Control Facility (Current Mission)					
REQUIREMENT: Construct a two-bay corrosion mitigation hangar and wash rack to provide Homestead ARB the means to meet the maintenance requirements of Reserve-assigned aircraft.					
CURRENT SITUATION: The current corrosion function is located in Building 194 and is a paint booth placed within the center bay. It is not compliant with UFC 4-211-02 standards, especially with personnel access and decontamination requirements. The existing wash rack, Building 4709, has failed equipment and systems and is beyond its useful life. The coastal location of Homestead ARB dictates aggressive preventative maintenance actions to ensure assigned aircraft remain mission capable and minimize maintenance costs.					
IMPACT IF NOT PROVIDED: If this project is not provided, corrosion mitigation/maintenance and aircraft washing will continue to operate out of substandard spaces. Corrosion mitigation efforts will continue to be operated out of an inadequate facility and will pose serious risk to personnel health. Aircraft preventive maintenance actions will continue to be performed in inadequate facilities.					

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE MAY 2021
3. INSTALLATION AND LOCATION HOMESTEAD AIR RESERVE BASE, FLORIDA		4. PROJECT TITLE CORROSION CONTROL FACILITY	
5. PROGRAM ELEMENT 52576F	6. CATEGORY CODE 211-159	7. PROJECT NUMBER KYJM179021	8. PROJECT COST (\$000) \$14,000

ADDITIONAL: This project was validated during the May 2018 FOCUS Planning Workshop. All reasonable alternatives have been considered during the development of this project to include status quo, add/alter, and new construction. This project does not fall within or partly within the 100-year flood plain. An approved Economic Analysis determined new construction is the only viable option to meet this requirement. This project was included in the Fiscal Year 2020 future years' defense plan in Fiscal Year 2022. Block 9 costs include the following factors over location and installation access adjusted unburdened costs: Sustainable Design and Energy Policy Act 2%, AT/FP 2%, sub/prime markup, prime OH&P, site cleanup, commissioning, and midpoint of construction escalation. Total Facility Size = 1,816 SM (19,500SF).

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve requirements.

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE MAY 2021
3. INSTALLATION AND LOCATION HOMESTEAD AIR RESERVE BASE, FLORIDA		4. PROJECT TITLE CORROSION CONTROL FACILITY	
5. PROGRAM ELEMENT 52576F	6. CATEGORY CODE 211-159	7. PROJECT NUMBER KYJM179021	8. PROJECT COST (\$000) \$14,000

12: SUPPLEMENTAL DATA:

A. Estimated Design Data

1. Status:

(a) Type of design	(Design Bid Build)
(b) Date Design Started	(10 Jun 2019)
(c) Parametric Cost Estimate Used to Develop Costs	(Yes)
(d) Percent Complete as of 01 Jan 2021	(95%)
(e) Date 35% Designed	(2 Jul 2019)
(f) Date Design Complete	(15 Mar 2021)
(g) Energy Study/Life Cycle analysis was performed	(Yes)

2. Basis

(a) Standard of Definitive Design	(No)
(b) Where Design was most recently used	(N/A)

3. Total Cost = (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	(\$1,250)
(b) All other Design Costs	(\$150)
(c) Totals	(\$1,400)
(d) Contract	(N/A)
(e) In-House	(N/A)

4. Construction Contract Award

(2022-02)

5. Construction Start

(2022-05)

6. Construction Complete

(2024-05)

a. Equipment associated with this project provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATIONS	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
Communications equipment	3080	Future Request	\$50
Furniture & CID	3400	Future Request	\$76.4
Paint Booth	3080	Future Request	\$600

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2021												
3. INSTALLATION AND LOCATION HOMESTEAD AIR RESERVE BASE, FLORIDA				4. AREA CONSTR COST INDEX 0.86													
5. FREQUENCY AND TYPE UTILIZATION Daily use by civilian, technician and AGR force. One unit training assembly per month, 15 days annual field training per year.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None																	
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>DESIGN START</u></th> <th style="text-align: left;"><u>DESIGN COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>211-159</td> <td>CORROSION CONTROL FACILITY</td> <td>1816 SM</td> <td>14,000</td> <td>June 2019</td> <td>Mar 2021</td> </tr> </tbody> </table>						<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>	211-159	CORROSION CONTROL FACILITY	1816 SM	14,000	June 2019	Mar 2021
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>												
211-159	CORROSION CONTROL FACILITY	1816 SM	14,000	June 2019	Mar 2021												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction, 9 Feb 2019																	
9. LAND ACQUISITION REQUIRED <i>(Number of Acres)</i> NONE																	
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>YEAR</u></th> </tr> </thead> <tbody> <tr> <td></td> <td>None</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>		None					
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>													
	None																
RPM BACKLOG AT THIS INSTALLATION (\$000): 54,245																	

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION

HOMESTEAD AIR RESERVE BASE, FLORIDA

11. PERSONNEL STRENGTH AS OF May 2021

	PERMANENT (ARTs, AGRs, Non-ART Civilians)				GUARD/RESERVE		
	<u>TOT</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	421	13	110	298	1,280	135	1,145
ACTUAL	421	13	110	298	1,280	135	1,145

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	STRENGTH	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
482 Aircraft Maintenance Squadron	191	191
482 Civil Engineer Squadron	229	229
482 Communications Squadron	64	64
482 Contracting Flight	11	11
482 Fighter Wing	110	110
482 Force Support Squadron	92	92
482 Logistics Readiness Squadron	90	90
482 Maintenance Group	62	62
482 Maintenance Squadron	238	238
482 Medical Squadron	113	113
482 Mission Support Group	15	15
482 Operations Group	13	13
482 Operational Support Squadron	97	97
482 Security Forces Squadron	182	182
70 Aerial Port Squadron	153	153
93 Fighter Squadron	42	42
Total	1,701	1,701

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
F-16	24	27

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA		4. PROJECT TITLE RECOVERY FLIGHT SIMULATOR			
5. PROGRAM ELEMENT 52576F	6. CATEGORY 171-212	7. PROJECT NUMBER SXHT219201	8. PROJECT COST (\$000) 18,500		
9. COST ESTIMATES					
ITEM		UM	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					12,984
SIMULATOR FACILITY – HC-130J		SM	950	7,535	(7,158)
SIMULATOR FACILITY – HH-60W		SM	740	7,535	(5,576)
CYBERSECURITY					(250)
SUPPORTING FACILITIES					3,635
COMMUNICATIONS		LS			(982)
SITE IMPROVEMENTS/PAVEMENTS		LS			(1,709)
UTILITIES		LS			(945)
SUBTOTAL					16,619
CONTINGENCY (5%)					831
TOTAL CONTRACT COST					17,450
SUPERVISION, INSPECTION & OVERHEAD (5.7%)					977
TOTAL REQUEST					18,427
TOTAL REQUEST (ROUNDED)					18,500
EQUIPMENT FROM OTHER APPROPRIATIONS					(64,528)
10. DESCRIPTION OF PROPOSED WORK: Construct a flight simulator facility consisting of a two story bay for HC-130J and HH-60W simulators. The scope includes reinforced concrete foundation, concrete slab, structural frame, walls, and roof. Work also includes all electrical, mechanical, communications, including secure communications, fire detection/suppression, back-up generator, security and energy monitoring systems. Site work will include landscaping, walkways and access pavements, and parking. Construction will include all work necessary to provide a complete and usable simulator training facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria UFC 1-200-01, General Building requirements. This project will comply with DoD Antiterrorism/Force Protection requirements per UFC 4-010-01. (NON-ACQUISITION NEW MISSION)					
11. REQUIREMENT: 1,690 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM					
PROJECT: Construct Recovery Flight Simulator (Non Acquisition New Mission)					
REQUIREMENT: Adequate space is required to house and operate the Flight Simulators and Loadmaster Floor Trainer to train for Personnel Recovery missions. Facility must house both simulators to provide realistic training and accurately portray the Mission Design Series needed to properly train and increase readiness of the Personnel Recovery community. The facility will house both simulators, loadmaster floor trainer, control systems, training and instructor personnel, classrooms, mission brief/debrief rooms, and administrative support.					
CURRENT SITUATION: There are no existing facilities to meet this requirement. All simulator training of Patrick AFB personnel requires temporary duty to other installations or contractor locations that have capacity and available simulator time once their own training is accomplished.					
IMPACT IF NOT PROVIDED: Failure to provide an appropriate facility to support this bed down will critically impact operational capabilities of aircrews. Despite allocating available assets and resources to meet mission qualifying training requirements, personnel will not be able to meet the minimum graduate program requirements, degrading aircrew proficiency and increasing the costs associated with off-base training. Aircrews will be unprepared for on-going combatant command wartime commitments.					
ADDITIONAL: This project meets the criteria/scope specified in AFRCH 32-1001 "Facility Requirements". An analysis of reasonable alternatives to meet this requirement (new construction) has been completed and new construction is the only viable option to meet this requirement. The cost estimate is based on UFC 3-701-01 Change 2, July 2012 DoD Facilities Pricing Guide escalated to midpoint 2023. This project is not sited in a floodplain. Installation POC: DSN 854-3474. This facility project is a candidate for Comprehensive Interior Design (CID). Equipment from other appropriations: \$63.55M for flight simulators, \$978K for furnishings and communications. New Work: 1,690 SM = 18,200 SF.					
JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force (Reserve) requirements.					

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021																																																						
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<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data</p> <p>1. Status:</p> <table style="width:100%; border:none;"> <tr> <td style="width:70%;">(a) Type of design</td> <td style="width:30%; text-align:right;">(Design Bid Build)</td> </tr> <tr> <td>(b) Date Design Started</td> <td style="text-align:right;">(10 Aug 2019)</td> </tr> <tr> <td>(c) Parametric Cost Estimate Used to Develop Costs</td> <td style="text-align:right;">(Yes)</td> </tr> <tr> <td>(d) Percent Complete as of 01 Jan 2021</td> <td style="text-align:right;">(65%)</td> </tr> <tr> <td>(e) Date 35% Designed</td> <td style="text-align:right;">(2 Oct 2020)</td> </tr> <tr> <td>(f) Date Design Complete</td> <td style="text-align:right;">(15 July 2021)</td> </tr> <tr> <td>(g) Energy Study/Life Cycle analysis was performed</td> <td style="text-align:right;">(Yes)</td> </tr> </table> <p>2. Basis</p> <table style="width:100%; border:none;"> <tr> <td style="width:70%;">(a) Standard of Definitive Design</td> <td style="width:30%; text-align:right;">(Yes)</td> </tr> <tr> <td>(b) Where Design was most recently used</td> <td style="text-align:right;">(Pope AFB)</td> </tr> </table> <p>3. Total Cost = (c) = (a) + (b) or (d) + (e)</p> <table style="width:100%; border:none;"> <tr> <td style="width:70%;">(a) Production of Plans and Specifications</td> <td style="width:30%; text-align:right;">(\$000)</td> </tr> <tr> <td>(b) All other Design Costs</td> <td style="text-align:right;">(\$1,690)</td> </tr> <tr> <td>(c) Totals</td> <td style="text-align:right;">(\$160)</td> </tr> <tr> <td>(d) Contract</td> <td style="text-align:right;">(\$1,850)</td> </tr> <tr> <td>(e) In-House</td> <td style="text-align:right;">(N/A)</td> </tr> <tr> <td></td> <td style="text-align:right;">(N/A)</td> </tr> </table> <p>4. Construction Contract Award (2022-02)</p> <p>5. Construction Start (2022-05)</p> <p>6. Construction Complete (2024-05)</p> <p>B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:</p> <table style="width:100%; border:none;"> <thead> <tr> <th style="text-align:left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align:center;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align:center;"><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th style="text-align:right;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Flight Simulator – HC-130J</td> <td style="text-align:center;">0350</td> <td style="text-align:center;">Future Request</td> <td style="text-align:right;">35,000</td> </tr> <tr> <td>Flight Simulator – HH-60W</td> <td style="text-align:center;">3080</td> <td style="text-align:center;">Future Request</td> <td style="text-align:right;">28,550</td> </tr> <tr> <td>Furniture / Storage Equipment</td> <td style="text-align:center;">3740</td> <td style="text-align:center;">Future Request</td> <td style="text-align:right;">533</td> </tr> <tr> <td>Interior Design Services</td> <td style="text-align:center;">3740</td> <td style="text-align:center;">FY 2022</td> <td style="text-align:right;">163</td> </tr> <tr> <td>Communications Equipment</td> <td style="text-align:center;">3740</td> <td style="text-align:center;">FY 2022</td> <td style="text-align:right;">282</td> </tr> </tbody> </table>			(a) Type of design	(Design Bid Build)	(b) Date Design Started	(10 Aug 2019)	(c) Parametric Cost Estimate Used to Develop Costs	(Yes)	(d) Percent Complete as of 01 Jan 2021	(65%)	(e) Date 35% Designed	(2 Oct 2020)	(f) Date Design Complete	(15 July 2021)	(g) Energy Study/Life Cycle analysis was performed	(Yes)	(a) Standard of Definitive Design	(Yes)	(b) Where Design was most recently used	(Pope AFB)	(a) Production of Plans and Specifications	(\$000)	(b) All other Design Costs	(\$1,690)	(c) Totals	(\$160)	(d) Contract	(\$1,850)	(e) In-House	(N/A)		(N/A)	<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Flight Simulator – HC-130J	0350	Future Request	35,000	Flight Simulator – HH-60W	3080	Future Request	28,550	Furniture / Storage Equipment	3740	Future Request	533	Interior Design Services	3740	FY 2022	163	Communications Equipment	3740	FY 2022	282
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(c) Parametric Cost Estimate Used to Develop Costs	(Yes)																																																							
(d) Percent Complete as of 01 Jan 2021	(65%)																																																							
(e) Date 35% Designed	(2 Oct 2020)																																																							
(f) Date Design Complete	(15 July 2021)																																																							
(g) Energy Study/Life Cycle analysis was performed	(Yes)																																																							
(a) Standard of Definitive Design	(Yes)																																																							
(b) Where Design was most recently used	(Pope AFB)																																																							
(a) Production of Plans and Specifications	(\$000)																																																							
(b) All other Design Costs	(\$1,690)																																																							
(c) Totals	(\$160)																																																							
(d) Contract	(\$1,850)																																																							
(e) In-House	(N/A)																																																							
	(N/A)																																																							
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>																																																					
Flight Simulator – HC-130J	0350	Future Request	35,000																																																					
Flight Simulator – HH-60W	3080	Future Request	28,550																																																					
Furniture / Storage Equipment	3740	Future Request	533																																																					
Interior Design Services	3740	FY 2022	163																																																					
Communications Equipment	3740	FY 2022	282																																																					

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2021
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA				4. AREA CONSTR COST INDEX 0.85	
5. FREQUENCY AND TYPE UTILIZATION Daily use by civilian, technician and AGR force. One unit training assembly per month, 15 days annual field training per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None					
7. PROJECTS REQUESTED IN THIS PROGRAM (FY22)					
<u>CATEGO RY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>
171-212	RECOVERY FLIGHT SIMULATOR	1,690 SM	18,500	Aug 2019	July 2021
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction, Feb 2019.					
9. LAND ACQUISITION REQUIRED NONE				<i>(Number of Acres)</i>	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
<u>CATEGOR Y CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>	
	None				
RPM BACKLOG AT THIS INSTALLATION (\$000): 16,072					

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION

PATRICK AIR FORCE BASE, FLORIDA

11. PERSONNEL STRENGTH AS OF May 2021

	PERMANENT (ARTs, AGRs, Non-ART Civilians)				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	170	29	87	54	1,084	184	900
D							
ACTUAL	170	29	87	54	1,084	184	900

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
920 Rescue Wing	59	59
920 Mission Support Group	16	16
920 Aeromedical Staging Squadron	139	139
920 Communications Flight	29	29
920 Force Support Squadron	45	45
920 Logistics Readiness Flight	57	57
920 Security Forces Squadron	67	67
920 Operations Group	29	29
920 Operations Support Squadron	68	68
920 Maintenance Group	51	51
720 Aircraft Maintenance Squadron	81	81
920 Aircraft Maintenance Squadron	107	107
920 Maintenance Squadron	186	186
301 Rescue Squadron	88	88
308 Rescue Squadron	138	138
39 Rescue Squadron	94	94
Total	1,254	1,254

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
HC-130J	6	0
HH-60G	8	9

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	3. DATE MAY 2021
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3. INSTALLATION AND LOCATION MINNEAPOLIS-SAINT PAUL IAP ARS, MINNESOTA	4. PROJECT TITLE MISSION SUPPORT GROUP FACILITY
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5. PROGRAM ELEMENT 52576F	6. CATEGORY 610-243	7. PROJECT NUMBER QJKL090004	8. PROJECT COST (\$000) \$14,000
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9. COST ESTIMATES				
ITEM	UM	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				10,598
MISSION SUPPORT GROUP	SM	2,097	4,827	(10,123)
ELEVATOR	LS			(225)
CYBER SECURITY	LS			(250)
SUPPORTING FACILITIES				1,960
COMMUNICATIONS	LS			(250)
SITE IMPROVEMENTS	LS			(560)
PAVEMENTS & UTILITIES	LS			(550)
DEMOLITION (B852)	LS			(600)
SUBTOTAL				12,558
CONTINGENCY (5%)				628
TOTAL CONTRACT COST				13,186
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				752
TOTAL REQUEST				13,938
TOTAL REQUEST (ROUNDED)				14,000
EQUIPMENT FROM OTHER APPROPRIATIONS				(700)

10. **DESCRIPTION OF PROPOSED WORK:** Construct a new right sized Mission Support Group Facility utilizing economic design and construction methods to accommodate mission requirements. Facility construction includes concrete foundation and floor slab, concrete masonry block with face brick, structural steel framing with metal deck and a roof to support mission requirements as well as utilities and other necessary work to make a complete and useable facility. All work shall be in accordance with Reserve and local Wing design compatibility guidelines Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria UFC 1-200-01, General Building requirements. This project will comply with DoD Antiterrorism/Force Protection requirements per UFC 4-010-01. Air Conditioning: 100 Tons

11. REQUIREMENT: 2,097 SM ADEQUATE: 0 SM SUBSTANDARD: 2,381 SM

PROJECT: Mission Support Group Facility (Current Mission)

REQUIREMENT: An adequately sized, properly configured, consolidated Mission Support Facility is required to support the 934th support mission for the Minneapolis St-Paul Air Reserve Station. This project will house administrative functions for the 934th Mission Support group as well as other mission partners at the installation. Existing facility Building 852 will be demolished with this project.

CURRENT SITUATION: Mission Support Group organizations and some Wing staff agencies currently operate out of the following World War II – vintage facilities: Building 852 (1942; 18,170 SF), Building 725 (1944; 2,389 SF), Building 727 (1944; 2,980 SF) and Building 729 (1944; 6,792 SF). Even though these facilities have been maintained over the years, the buildings are still 70 year plus wooden structures that cannot be made energy efficient, require continual maintenance and repair, etc. In addition, the original configuration of these facilities is no longer conducive for adequate accommodation of the organizations that occupy them. For instance, Buildings 725 and 727 were originally constructed as two senior officer housing units and the original layout has not changed. Likewise, Building 729 was originally an enlisted housing unit. Building 852 is the best of the four facilities but still has prevailing issues despite past attempts to modernize it, e.g. exterior finishes deteriorating, cold drafts occurring throughout the facility during winter months, etc.

IMPACT IF NOT PROVIDED: Without a new facility, Wing and Group level organizations and staff agencies will be forced to use 1940 vintage wooden facilities that have condition codes of 2 and 3. Opportunities for increased energy efficiency and organization effectiveness will be lost. Maintenance and repair costs will continue to escalate as building systems reach the end of their service life. The chances for catastrophic building system failures, resulting in mission interruptions, will continue to increase.

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. **INSTALLATION AND LOCATION:**
MINNEAPOLIS-SAINT PAUL IAP ARS, MINNESOTA

4. PROJECT TITLE: MISSION SUPPORT GROUP FACILITY	5. PROJECT NUMBER QJKL090004
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ADDITIONAL: This project meets the criteria/scope specified in Military Handbook 1190 "Facility Planning and Design Guide" and AFRCH 32-1001 "Facility Requirements". An analysis of reasonable alternatives to meet this requirement (status quo, renovation, new construction) has been completed and new construction is the only viable option to meet this requirement. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02. The cost estimate is based on UFC 3-701-01 Change 2, July 2012 DoD Facilities Pricing Guide escalated to midpoint 2021. This project does not fall within or partly within the 100-year flood plain. POC: 934 MSG/CEC. New work: 2,097 SM = 22,575 SF; HQ AFRC/A4CD, Air Force Reserve MILCON Program Manager, 478-327-1995. The project is a candidate for Comprehensive Interior Design (CID) Equipment from other appropriations: \$700K for furnishings. All known alternatives were considered during the development of this project.

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve requirements.

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION
MINNEAPOLIS-SAINT PAUL IAP ARS, MINNESOTA

4. PROJECT TITLE MISSION SUPPORT GROUP FACILITY	5. PROJECT NUMBER QJKL090004
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data

1. Status:

(a) Type of design	(Design Bid Build)
(b) Date Design Started	(15 Jul 2019)
(c) Parametric Cost Estimate Used to Develop Costs	(Yes)
(d) Percent Complete as of 01 Jan 2021	(100%)
(e) Date 35% Designed	(19 Aug 2019)
(f) Date Design Complete	(27 Jul 2020)
(g) Energy Study/Life Cycle analysis was performed	(Yes)

2. Basis

(a) Standard of Definitive Design	(No)
(b) Where Design was most recently used	(N/A)

3. Total Cost = (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	(\$1,000)
(b) All other Design Costs	(\$400)
(c) Totals	(\$1,400)
(d) Contract	(N/A)
(e) In-House	(N/A)

4. Construction Contract Award (2022-02)

5. Construction Start (2022-05)

6. Construction Complete (2024-05)

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>
Systems Furniture	3740	Future Request	700

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2021												
3. INSTALLATION AND LOCATION MINNEAPOLIS-SAINT PAUL IAP ARS, MINNESOTA				4. AREA CONSTR COST INDEX 1.16													
5. FREQUENCY AND TYPE UTILIZATION Daily use by civilian, technician and AGR force. One unit training assembly per month, 15 days annual field training per year.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS Minnesota National Guard, Minnesota																	
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGOR Y CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>DESIGN START</u></th> <th style="text-align: left;"><u>DESIGN COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>610-243</td> <td>SUPPORT GROUP FACILITY</td> <td>2,097 SM</td> <td>14,000</td> <td>Jul 2019</td> <td>Jul 2020</td> </tr> </tbody> </table>						<u>CATEGOR Y CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>	610-243	SUPPORT GROUP FACILITY	2,097 SM	14,000	Jul 2019	Jul 2020
<u>CATEGOR Y CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>												
610-243	SUPPORT GROUP FACILITY	2,097 SM	14,000	Jul 2019	Jul 2020												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction, June 2017																	
9. LAND ACQUISITION REQUIRED NONE				<i>(Number of Acres)</i>													
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>YEAR</u></th> </tr> </thead> <tbody> <tr> <td></td> <td>None</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>		None					
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>													
	None																
RPM BACKLOG AT THIS INSTALLATION (\$000): 40,245																	

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION

MINNEAPOLIS-SAINT PAUL IAP ARS, MINNESOTA

11. PERSONNEL STRENGTH AS OF May 2021

	PERMANENT (ARTs, AGRs, Non-ART Civilians)				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	336	6	101	229	1,392	231	1,161
ACTUAL	336	6	101	229	1,392	231	1,161

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
27 Aerial Port Squadron	153	153
934 Aeromedical Evacuation Squadron	94	94
934 Aircraft Maintenance Squadron	145	145
934 Aeromedical Staging Squadron	155	155
934 Air Wing	92	92
934 Civil Engineer Squadron	217	217
934 Contracting Flight	9	9
934 Communications Squadron	65	65
934 Force Support Squadron	87	87
934 Logistics Readiness Squadron	108	108
934 Mission Support Group	17	17
934 Maintenance Group	53	53
934 Maintenance Squadron	159	159
934 Operations Group	15	15
934 Operations Support Squadron	60	60
934 Security Forces Squadron	171	171
96 Airlift Squadron	124	124
Recruit Squadron	4	4
Total	1,728	1,728

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
C-130H	8	8

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			4. DATE MAY 2021	
3. INSTALLATION AND LOCATION NIAGARA FALLS ARS, NY		4. PROJECT TITLE MAIN GATE			
5. PROGRAM ELEMENT 52576F	6. CATEGORY 730-832	7. PROJECT NUMBER RVKQ219742	8. PROJECT COST (\$000) \$10,600		
9. COST ESTIMATES					
ITEM		UM	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					
GATE HOUSE		SM	52	3,923	4,887 (204)
VEHICLE INSPECTION & MAILROOM FACILITY		SM	338	8,544	(2,888)
OVERWATCH & BARRIERS		LS			(936)
VISITOR CENTER		SM	170	3,582	(609)
CYBERSECURITY		LS			(250)
SUPPORTING FACILITIES					
COMMUNICATION		LS			(300)
SITE IMPROVEMENTS		LS			(1,554)
PAVEMENTS & UTILITIES		LS			(1,840)
EARTHWORK/STORM WATER		LS			(100)
NEW NAF FACILITY		SM	296	2,690	(796)
DEMO FACILITIES (B892, B894, B897, B798, B812)		SM	908	110	(100)
SUBTOTAL					
CONTINGENCY (5%)					479
TOTAL CONTRACT COST					
SUPERVISION, INSPECTION & OVERHEAD (5.7%)					10,056 573
TOTAL REQUEST					
TOTAL REQUEST (ROUNDED)					
<p>10. DESCRIPTION OF PROPOSED WORK: Construct a new entrance to the main gate, which meets Anti-terrorism/Force Protection (AT/FP) requirements, per the Chief of Staff of the Air Force, XORD 001-18. Work includes: New Vehicle Inspection Facility, Gate House with covered canopy, an Over watch Facility, and new electromechanical Active Vehicle Barriers (AVB). The existing Visitor Center will be renovated to provide adequate AT/FP standards. Reconfiguration of the existing ingress/egress roads will include pavements to accommodate oversized vehicles, rejection lanes and an oversized vehicle inspection lane. The existing two lane ingress and one lane egress road will be modified to include a divided median. New asphalt parking areas with ingress and egress drive lanes for Commercial Vehicle Inspection will be provided, along with a separate parking area to support the Mail/Visitor's Center. Security fencing, utilities, landscape and sidewalks are provided. Project will reconfigure the vehicle entry and inspection activities on the existing site to meet current AT/FP requirements. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building requirements. This project will comply with DoD Antiterrorism/Force Protection requirements per UFC 4-010-01. Project to replace impacted NAF facilities. Project to include demolition of Buildings Gate House - 892, Vehicle Inspection Facility - 894, Over watch - 897, NAF Storage -798, and NAF Shade Structure - 812.</p>					
<p>11. REQUIREMENT: 1,336 SM ADEQUATE: 0 SM SUBSTANDARD: 1,336 SM</p>					
<p>PROJECT: Construct Entrance to Main Gate (Current Mission)</p>					
<p>REQUIREMENT: The objective of the Main Gate Facility is to secure the installation from unauthorized access and to intercept contraband (weapons, explosives, drugs, classified material, etc.) while maximizing vehicular traffic flow by ensuring the proper level of access control and safety for all DoD personnel, visitors, and commercial traffic to an installation. It will serve as the primary gate for ALL Niagara Falls ARS vehicular traffic supporting not only the 914 ARW, but the 107 ANG, USA Reserve Center and regional MEPS. Furthermore, because of its proximity to the 914 AW HQ facility and the POL bulk storage area, the need for adequate AT features and access control is greatly exacerbated.</p>					

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. **INSTALLATION AND LOCATION:**
NIAGARA FALLS ARS, NY

4. PROJECT TITLE: MAIN GATE	5. PROJECT NUMBER RVKQ219742
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CURRENT SITUATION: The existing main gate does not meet Antiterrorism/Force Protection standards. It was designed and built in 2001 prior to September 11, 2001. It does not have the nine-second separation between the main gate and the pop up barriers. The exit lane allows direct access to the base and does not give Security Forces time to activate the pop up barrier. The main gate has been identified as an issue during the past few vulnerability assessments due to lack of a rejection lane for both the Main Gate House and the Vehicle Inspection Facility. Approaches to the existing Vehicle Inspection Facility do not provide adequate radius for larger vehicles nor can it accommodate oversized vehicle inspections. Scanning technology cannot be utilized because the current Vehicle Inspection facility does not allow for adequate clearances for installing necessary equipment nor for maneuvering space for security personnel.

IMPACT IF NOT PROVIDED: Without a new, reconfigured main gate, the security of the base remains at risk. Vehicles will be able to crash the gate through the entrance lanes or drive at a high speed through the exit lane without being stopped.

ADDITIONAL: This project meets the criteria/scope specified in Military Handbook 1190 "Facility Planning and Design Guide" and AFRCH 32-1001 "Facility Requirements". An analysis of reasonable alternatives to meet this requirement (new construction) has been completed and new construction is the only viable option to meet this requirement. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02. The cost estimate is based on UFC 3-701-01 Change 2, July 2012 DoD Facilities Pricing Guide escalated to midpoint 2022. This project is not sited in a floodplain. POC: DSN 238-3121, Comm (716) 236-3121; HQ AFRC/A4CD, Air Force Reserve MILCON Program Manager, DSN 497-1995. New Construction: 1,666 SM = 17,933 SF.

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve requirements.

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION
NIAGARA FALLS ARS, NY

4. PROJECT TITLE MAIN GATE	5. PROJECT NUMBER RVKQ219742
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data

3. Status:

(a) Type of design	(Design Bid Build)
(b) Date Design Started	(10 Nov 2018)
(c) Parametric Cost Estimate Used to Develop Costs	(Yes)
(d) Percent Complete as of 01 Jan 2021	(65%)
(e) Date 35% Designed	(2 Jul 2019)
(f) Date Design Complete	(15 Jul 2021)
(g) Energy Study/Life Cycle analysis was performed	(Yes)

4. Basis

(a) Standard of Definitive Design	(No)
(b) Where Design was most recently used	(N/A)

3. Total Cost = (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	(\$000)
(b) All other Design Costs	(\$950)
(c) Totals	(\$1,000)
(d) Contract	(N/A)
(e) In-House	(N/A)

7. Construction Contract Award (2022-02)

8. Construction Start (2022-05)

9. Construction Complete (2024-05)

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

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Systems Furniture	3740	Future Request	560
Communications Equipment	3740	Future Request	590

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2021												
3. INSTALLATION AND LOCATION NIAGARA FALLS ARS, NY				4. AREA CONSTR COST INDEX 1.13													
5. FREQUENCY AND TYPE UTILIZATION Daily use by civilian, technician and AGR force. One unit training assembly per month, 15 days annual field training per year.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None																	
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1"> <thead> <tr> <th data-bbox="115 737 224 821">CATEGOR Y CODE</th> <th data-bbox="375 764 570 793">PROJECT TITLE</th> <th data-bbox="764 764 846 793">SCOPE</th> <th data-bbox="954 737 1019 793">COST (\$000)</th> <th data-bbox="1105 737 1192 793">DESIGN START</th> <th data-bbox="1328 737 1468 793">DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td data-bbox="115 821 224 850">730-832</td> <td data-bbox="375 821 521 850">MAIN GATE</td> <td data-bbox="753 821 857 850">1,336 SM</td> <td data-bbox="954 821 1024 850">10,600</td> <td data-bbox="1094 821 1203 850">Nov 2018</td> <td data-bbox="1344 821 1451 850">July 2021</td> </tr> </tbody> </table>						CATEGOR Y CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	730-832	MAIN GATE	1,336 SM	10,600	Nov 2018	July 2021
CATEGOR Y CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE												
730-832	MAIN GATE	1,336 SM	10,600	Nov 2018	July 2021												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction, Aug 2019																	
9. LAND ACQUISITION REQUIRED NONE				<i>(Number of Acres)</i>													
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1"> <thead> <tr> <th data-bbox="115 1409 237 1486">CATEGOR Y CODE</th> <th data-bbox="444 1436 634 1465">PROJECT TITLE</th> <th data-bbox="922 1436 1003 1465">SCOPE</th> <th data-bbox="1166 1409 1230 1465">COST (\$000)</th> <th data-bbox="1398 1436 1468 1465">YEAR</th> </tr> </thead> <tbody> <tr> <td colspan="5" data-bbox="509 1493 570 1522">None</td> </tr> </tbody> </table>						CATEGOR Y CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	None						
CATEGOR Y CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR													
None																	
RPM BACKLOG AT THIS INSTALLATION (\$000): 40,245																	

1. COMPONENT AIR FORCE RESERVE	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION

NIAGARA FALLS ARS, NY

11. PERSONNEL STRENGTH AS OF Oct 2020

	PERMANENT (ARTs, AGRs, Non-ART Civilians)				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	351	7	110	234	1,212	199	1,013
ACTUAL	351	7	110	234	1,212	199	1,013

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
30 Aerial Port Squadron	124	124
328 Air Refueling Squadron	71	71
914 Aeromedical Evacuation Squadron	95	95
914 Aeromedical Staging Squadron	149	149
914 Air Refueling Wing	96	96
914 Aircraft Maintenance Squadron	119	119
914 Civil Engineer Squadron	223	223
914 Communications Squadron	64	64
914 Contracting Flight	11	11
914 Force Support Squadron	88	88
914 Logistics Readiness Squadron	78	78
914 Maintenance Group	56	56
914 Maintenance Squadron	130	130
914 Mission Support Group	18	18
914 Operations Group	16	16
914 Operations Support Squadron	55	55
914 Security Forces Squadron	166	166
Total	1,559	1,559

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
KC-135	8	8

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM JUSTIFICATION OF
ESTIMATES FOR FISCAL YEAR 2022**

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 341.020 UNSPECIFIED MINOR CONSTRUCTION \$15,444,000

PART I - PURPOSE AND SCOPE

The funds requested for unspecified minor construction will finance new construction projects having cost estimates less than \$6,000,000.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested for unspecified minor construction will finance unforeseen projects generated during the year and are necessary to support mission requirements.

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION			
5. PROGRAM ELEMENT 52576F	6. CATEGORY 962-000	7. PROJECT NUMBER PAYZ 220341	8. PROJECT COST (\$000) 15,444		
9. COST ESTIMATES					
ITEM		UM	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS	-	-	<u>15,444</u>
SUBTOTAL					15,444
TOTAL CONTRACT COST					15,444
TOTAL REQUEST					15,444
10. DESCRIPTION OF PROPOSED WORK:					
<p>11. REQUIREMENT: As required.</p> <p>PROJECT: Unspecified Minor Construction</p> <p>REQUIREMENT: This appropriation provides a lump sum amount for unspecified minor construction projects, not otherwise authorized by law, having a funded cost less than \$6,000,000. Work includes construction, alteration or conversion of temporary facilities in accordance with Title 10, USC 18233 and 18233a. Some of these projects are not yet identified, but are expected to arise in FY22.</p> <p>IMPACT IF NOT PROVIDED: No means to accomplish exigent projects costing less than \$6,000,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modifications, alteration and conversion requirements.</p>					

SECTION 4
PLANNING AND DESIGN

1. COMPONENT AIR FORCE RESERVE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT	6. CATEGORY CODE 961-000	7. PROJECT NUMBER PAYZ 220313	8. PROJECT COST (\$000) 5,830		
9. COST ESTIMATES					
ITEM		UM	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN		LS	-	-	5,830
SUBTOTAL					5,830
TOTAL CONTRACT COST					5,830
TOTAL REQUEST					5,830
10. DESCRIPTION OF PROPOSED WORK:					
<p>11. REQUIREMENT: As required.</p> <p>PROJECT: Planning and Design.</p> <p>REQUIREMENT: Funds for architectural and engineering services and construction provide for the completed design of facilities and evaluation of designs in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys and develop master plans, working drawings, specifications, project planning reports, and designs required for those construction projects included in the Air Force Reserve (AFR) Military Construction (MILCON) Program. The advanced age and continued deterioration of the AFR physical plant and infrastructure have generated numerous facility requirements, requiring these architectural and engineering services for design. In addition, there are numerous new mission bed-down projects that received no previous planning and design funds. It is essential the AFR be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities.</p> <p>IMPACT IF NOT PROVIDED: Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.</p>					