

REPORT TO CONGRESS

ON

**FY 2021 ANNUAL REPORT OF MILITARY CONSTRUCTION
AND MILITARY FAMILY HOUSING SCHEDULE DELAYS**



**Office of the Under Secretary of Defense,
Acquisition and Sustainment**

November 2022

The estimated cost of this report or study for the Department of Defense is approximately \$29,500 for the 2022 Fiscal Year. This includes \$500 in expenses and \$29,000 in DoD labor.

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Introduction

This report responds to section 2851(d) of title 10, U.S. Code that requires the Secretary of Defense to provide annual reports on military construction (MilCon) and military family housing projects for which the estimated completion date is more than one year later than the completion date proposed at the time of contract award. This report provides information on the 116 projects that fall into this category, as of the end of Fiscal Year 2021.

The Department of Defense (DoD) components reviewed the reasons for the schedule delays. Based on their input, analysis indicates that project delays were attributable to inadequate project oversight, poor initial planning, foreign government engagement, changing mission requirements, environmental mitigation efforts, weather, unforeseen conditions such as the pandemic, and contractor issues such as poor performance. Several projects were delayed for more than one reason. The top three contributors to project delays were unforeseen conditions (44 percent), contractor issues (28 percent), and poor initial planning (28 percent). Most projects appear to have unique circumstances associated with each delay with no apparent overarching category or trends associated with such delay. COVID was the major impact in unforeseen delays that continue to impact construction completion. Poor initial planning includes factors that could have been reasonably addressed before a delay occurred such as the need for utility connections, design errors, insufficient planning for the movement of personnel and equipment, lack of permits, and further refinement of customer requirements before award.

The current estimated project completion dates are based on the primary construction contract and do not account for any pending changes associated with time. Several projects that are 99 percent complete appear in the report because of construction deficiencies that are being resolved. A list of the delayed MilCon projects follows.

**Section 2851(d) of title 10 U.S. Code
FY2021 Annual Report of Construction and Military Family Housing Schedule Delays**

NOTE: PROJECTS ARE SORTED CHRONOLOGICALLY

As of 30 Sep, 2021

Project Fiscal Year	Project Sponsor Component Name	Construction Project Type Name	State Name	Country Name	Project Number	Project Title	Construction Start Date	Original Construction Completion Date	Current Construction Completion Date	Construction Percent Complete	FY2021 2851(d) Annual Report Reason for Schedule Delay
2007	Defense Health Agency	Major Military Construction	Maryland	United States	58395	USAMRIID Replacement, Incr 1-8	06/01/2009	05/31/2014	05/25/2023	98.0%	Schedule delay for all increments can be attributed to restoring the building after a fire during final stages of construction (April 2013), which seriously damaged lab spaces Bio Safety Level 4, interstitial mechanical space and adjacent areas. Subsequent to repair, issues arose during building commissioning that required redesign of some of the complex building systems resulting in additional delays and further impacted by contractor resourcing and performance. Additional delays are anticipated due to requirements for meeting Centers for Disease Control certification requirements.
2012	Defense Health Agency	Major Military Construction		Germany	76007	Medical Center Replacement, Incr 1 through Incr 8	03/30/2015	12/30/2025	06/30/2027	2.0%	Deficiencies identified in eHUBau (German government entity for construction) design during mockup building reviews indicate risk of more errors requiring correction after award. Risk to cost and schedule. Continent-wide supply chain and personnel disruptions continue to cause delays. Commodity and energy prices across Europe have further spiked due to continued Russian hostilities in Ukraine. Legal and post-Beneficial Occupancy Date (BOD) implications of German hygiene laws still being clarified.

2012	Defense Health Agency	Major Military Construction	Maryland	United States	77154	Ambulatory Care Center, Inc 1-2	03/01/2013	12/06/2016	05/31/2022	99.0%	Project delays include additional time obtaining Federal Aviation Administration (FAA) permitting attributable to sequestration, unforeseen site conditions associated with asbestos abatement/steam line abatement, and corrective measures to resolve commissioning of building utilities systems. While the Joint Base Andrews Ambulatory Care Center is scheduled to be fully complete summer 2019, a significant portion was completed and available for patient care July 2016.
2013	Air Force Active	Major Military Construction		Guam	AJY123010	Guam Strike Fuel Systems Maintenance Hangar	03/18/2015	03/21/2017	10/31/2021	99.0%	The US Customs and Immigration Service (USCIS) implemented a quota on H2B worker Visas creating a shortage of skilled workers significantly impacting the schedule for this project. Additionally, COVID-19 quarantine and positive tests added additional delays. A Munitions of Explosive Concern (MEC) occurring after contract award added additional delays. Three contract upward adjustments added additional time to obtain the necessary funding. Additional construction issues occurred requiring resolution of hangar and apron problems.
2013	Army Active	Major Military Construction		Japan	62783	Satellite Communications Facility	11/21/2014	06/09/2021	08/11/2022	80.0%	Delays were due to the Dubai contractor being unfamiliar with the Japan construction market, lack of skilled laborers and COVID travel restrictions. Project has an intricate schedule with two (2) government moves in the middle of construction.
2013	Army Active	Major Military Construction	Texas	United States	68530	Barracks	11/18/2015	12/17/2018	12/14/2021	42.0%	The original contract was Terminated for Default 8 Jan 2019 due to poor performance. Surety solicited/awarded a new contract 31 May 2019.

2013	Defense Information Systems Agency	Major Military Construction		Germany	13DISA01	DISA Europe Facility Upgrade	08/19/2015	12/31/2016	01/30/2022	75.0%	Delay due to changes in Project Manager (PM). Contract awarded to Baumat (German contractor). Re-design of routing of power cabling through hallway ceilings and rooms and power cables from the power plant to the DISA building and all associated activities. Contract modification required. A different facility project to correct major structural issue in powerhouse bldg. (bldg. 2374) was ongoing during FY21 creating additional delays. Also, delays in receiving materials and parts.
2014	Air Force Active	Major Military Construction		Guam	AJY133027	PAR - TANKER GP MAINT HANGAR/AMU/SQD OPS	01/08/2015	03/22/2017	12/31/2021	99.0%	The US Customs and Immigration Service (USCIS) implemented a quota on H2B worker Visas creating a shortage of skilled workers significantly impacting the schedule for this project. Additionally, COVID-19 quarantine and positive tests added additional delays. A Munitions of Explosive Concern (MEC) occurring after contract award added additional delays. Three contract upward adjustments added additional time to obtain the necessary funding. A significant number of punchlist items are being resolved.
2014	Army Active	Major Military Construction		Marshall Islands	59779	Pier	08/17/2016	06/10/2020	02/20/2022	84.0%	Contractor experienced delays due to impacts of COVID induced supply chain complications and travel restrictions to the Island.
2014	Defense Health Agency	Major Military Construction	Maryland	United States	77000	Public Health Command Laboratory Replacement	09/08/2015	02/19/2019	02/01/2022	98.0%	Contractor issued a time-impact analysis (TIA) identifying time growth causes as result of inadequate design and government inflicted issues. Claim currently under Corps review. Corps evaluating contract modifications to determine justification of cumulative time growth to the project.

2014	Defense Information Systems Agency	Major Military Construction	Hawaii	United States	14DISA01	DISA Pacific Facility Upgrade	01/11/2018	12/31/2018	01/15/2022	97.0%	Delays due to changes in Project Manager (PM) and Hazardous Materials (HAZMAT) quantities (tennis court asbestos containing material) discrepancy and subsequent relocation of the water tank. Additionally, during the pre-construction meeting (29 Jan 20), it was determined an air separator would be required in the chiller plant.
2014	Marine Corps Active	Major Military Construction	Hawaii	United States	M00318907	MV-22 PARKING APRON/INFRASTRUCTURE	04/28/2015	01/03/2017	12/20/2021	99.0%	Projects M00318907 and M00318908 were construction together, awarded to the same contractor, therefore, the Reasons for Schedule delay are the same for both projects. Delays were due to: (1) Hangar elevator acceptance issues; (2) needed modifications to the Initial design of the Outside Plant Infrastructure, the network infrastructure installed external to the hangar and other buildings; and (3) Airfield security - Modifications to the contract needed to meet Marine Corps Base Hawaii airfield security requirements (additional vehicle gate(s), fencing, security cameras, and lighting).
2014	Marine Corps Active	Major Military Construction	Hawaii	United States	M00318908	MV-22 HANGAR	04/28/2015	01/03/2017	12/20/2021	94.0%	Projects M00318907 and M00318908 were construction together, awarded to the same contractor, therefore, the Reasons for Schedule delay are the same for both projects. Delays were due to: (1) Hangar elevator acceptance issues; (2) needed modifications to the Initial design of the Outside Plant Infrastructure, the network infrastructure installed external to the hangar and other buildings; and (3) Airfield security - Modifications to the contract needed to meet Marine Corps Base Hawaii airfield security requirements (additional vehicle gate(s), fencing, security cameras, and lighting).

2014	Special Operations Command	Major Military Construction	Arizona	United States	Q771	SOF DESERT WARFARE TRAINING CENTER	10/03/2018	02/02/2020	12/02/2021	98.0%	Project delayed due to change orders for Intrusion Detection System and additional lightning protection grounding required at new Magazine and Demolition Preparation Area. Delays were also caused by collateral equipment installation including AT&T microwave dish, bunks, kitchen equipment, podiums. COVID caused impacts on manpower and the supply chain.
2014	Washington Headquarters Services	Major Military Construction	Virginia	United States	80007	PFFA Support Operations Center	06/27/2018	09/23/2020	10/23/2021	92.0%	There were significant issues with quality control resulting in rework that delayed the final completion date.
2015	Air Force Active	Major Military Construction		Guam	AJY133028	PAR Low Observable/Corrosion Control/Composite Repair Shop	11/18/2016	10/20/2018	12/31/2021	68.0%	The US Customs and Immigration Service (USCIS) implemented a quota on H2B worker Visas creating a shortage of skilled workers significantly impacting the schedule for this project. Additionally, COVID-19 quarantine and positive tests added additional delays. A Munitions of Explosive Concern (MEC) occurring after contract award added additional delays. Encroachment delays with other projects were encountered with corresponding request for equitable adjustment (REA).
2015	Air Force Active	Major Military Construction		Italy	PAYZ15001H	ERI: Improve Weapons Storage Facility	12/04/2017	08/28/2020	08/18/2023	51.0%	RFI (Italian Rail) advised of their need for additional land, which was never previously discussed. Land transfer took one year delaying the project. Work was stopped for several weeks due to COVID. Italian environmental authority would not allow construction on a portion of the site until more mitigation was accomplished. Contractor has developed and implemented a plan to mitigate by shortening durations in the schedule where possible.
2015	Air Force Active	Major Military Construction	Oklahoma	United States	WWYK153005	KC-46A TWO-BAY DEPOT MAINTENANCE HANGAR	05/11/2017	04/30/2019	11/19/2021	99.0%	Issues with faulty pavements around the hangar; had to demolish and re-pour again. Contract modifications added additional days for weather and a fire pump change.

2015	Army Active	Major Military Construction	California	United States	76093	Access Control Point	07/08/2019	06/02/2020	12/01/2021	85.0%	The Military Ocean Terminal Concord (MOTCO) Access Control Point (ACP) was delayed due to the contractor being suspended for poor quality workmanship.
2015	Army Active	Unspecified Minor Military Construction	Louisiana	United States	81234	Fire Station Addition	09/27/2018	09/27/2019	11/19/2021	67.0%	Termination for Default was issued to the original contractor 29 March 2018 due to poor performance. Surety awarded a new contract 14 Sep 2018. Recent delays are attributed to lower than expected work productivity, design issues, weather impacts (hurricanes/tropic storm) and COVID restrictions.
2015	Army Active	Major Military Construction		Romania	86404	ERI: Hazardous Cargo Ramp	10/24/2017	12/13/2019	02/28/2022	62.0%	Delays were due to the contractor having systemic quality deficiencies on the airfield concrete paving which required substantial repair and/or demolition.
2015	Army Reserve	Major Military Construction	Wisconsin	United States	67567	Access Control Point/Mail/Freight Center	06/02/2017	12/22/2019	12/15/2021	97.0%	Project delayed due to roof leaking issue and construction deficiency; identified new roof replacement was required.
2015	DoD Education Activity	Major Military Construction		United States	AM00103	Consolidate/Replace W.T. Sampson Elementary School	07/01/2016	11/26/2018	10/09/2021	99.0%	Delays were incurred due to the remote location in Cuba, challenges with shipment of materials, and strict ROM requirements during the COVID pandemic.
2015	DoD Education Activity	Major Military Construction		Japan	PA00017	Killin Elementary School Replacement/Renovation	01/11/2017	11/17/2020	11/23/2022	88.0%	There were significant delays due to Munitions and Explosives of Concern found early in the project. Additional delays were incurred for re-procurement of subcontractors once work was able to resume.
2015	Marine Corps Active	Major Military Construction	North Carolina	United States	M00146193	WATER TREATMENT PLANT REPLACEMENT	01/05/2017	02/28/2020	12/23/2021	96.0%	COVID restrictions caused major delays.
2015	Navy Active	Major Military Construction	Pennsylvania	United States	N32414547	OHIO REPLACEMENT POWER & PROPULSION FACILITY	06/01/2015	01/12/2017	11/19/2021	96.0%	Non acceptance by the customer during commissioning required rework and delays.
2015	Navy Active	Major Military Construction		Spain	N62863712	SHIP BERTHING POWER UPGRADES	12/04/2015	05/23/2018	02/24/2022	97.0%	Significant design errors and omissions. Additional delays due to COVID. Contractor fault on South West House incident
2015	Special Operations Command	Major Military Construction	North Carolina	United States	79437	SOF Training Command Building - 79437	02/21/2017	02/11/2019	12/18/2021	87.0%	Delay was caused by major structural design errors that were discovered during construction requiring partial demolition, re-design, and sourcing of additional MILCON funds. Other delays included the supply chain and labor impacts of COVID.

2016	Air Force Active	Unspecified Minor Military Construction	Texas	United States	FNWZ100071A	Military Working Dogs Facs - Multi	10/22/2018	10/22/2019	01/31/2022	53.0%	An 18-month schedule delay incurred to replace substandard foundation walls. Weather delays and COVID-19 caused additional delays. Additional issues with roofing, trusses and electrical panels further impacted schedule.
2016	Air Force Active	Major Military Construction	Hawaii	United States	KNMD043004	F-22 FIGHTER ALERT FACILITY	11/01/2018	10/22/2020	10/31/2021	97.0%	Delays incurred for redesign of outside telecommunications and issues with contract. Additionally, delays incurred obtaining additional funding to complete contract modifications.
2016	Air Force Active	Military Family Housing Improvement		Japan	LXEZ154288	IMPROVE FAMILY HSG INFRASTRUCTURE, PH 4	11/26/2018	11/25/2020	02/03/2022	87.0%	Due to several safety issues and no increase to project oversight capabilities, the contractor chose to cut their workforce in half to focus on one neighborhood at a time. U.S. Army Corps of Engineers (USACE) is continuing to monitor the contractor's safety and quality oversight. Contractor has begun to work in multiple neighborhoods again, as they have shown improvement in their safety and quality.
2016	Air Force Active	Military Family Housing Improvement		Japan	LXEZ164289	IMPROVE FAMILY HSG INFRASTRUCTURE, PH 5	11/26/2018	11/25/2020	02/03/2022	87.0%	Due to several safety issues and no increase to project oversight capabilities, the contractor chose to cut their workforce in half to focus on one neighborhood at a time. U.S. Army Corps of Engineers (USACE) is continuing to monitor the contractor's safety and quality oversight. Contractor has begun to work in multiple neighborhoods again, as they have shown improvement in their safety and quality.
2016	Air Force Reserve	Major Military Construction	Georgia	United States	FGWB009002	Fire Station	12/13/2017	06/06/2019	01/04/2022	95.0%	A significant portion of the overall delays (450 days) were related to soil contamination, removal of soil, and weather resulting in contract modifications. The contractor had an extension to complete the work as a result of falling behind the construction schedule.

2016	Army National Guard	Major Military Construction	Washington	United States	530041	Enlisted Barracks, Transient Training	09/17/2018	04/17/2020	10/29/2021	87.0%	The Washington Army National Guard (WAARNG) has construction delay because several months lost (construction stop) due to weather (snow accumulation both Winters), multiple job site shutdowns due to COVID-19 breakouts, and lack of construction workers available.
2016	Army Reserve	Major Military Construction	Florida	United States	85813	AR Center/ AS Facility	11/03/2017	10/04/2019	01/31/2022	95.0%	Significant joint and spalling issues on concrete helicopter landing and parking areas has impacted project schedule.
2016	Defense Health Agency	Major Military Construction		Germany	77986	Dental/ Medical Clinic Addition	12/14/2016	06/04/2019	04/11/2022	90.0%	Contractor's poor performance (not enough workers on site) coupled with design challenges has lead to time extensions.
2016	Defense Health Agency	Major Military Construction	Texas	United States	81422	Lackland Ambulatory Care Center Phase 4	10/24/2018	04/01/2021	06/19/2023	63.0%	Unforeseen asbestos discovered on the interior of the exterior skin that significantly delayed the project.
2016	DoD Education Activity	Major Military Construction	Alabama	United States	AM00110	Replace/Renovate Maxwell ES/MS	04/12/2017	05/28/2020	09/01/2022	87.0%	Initial delays were due to contractor performance. Delays were also incurred due to a modification to retain several buildings originally slated for demolition.
2016	Marine Corps Active	Major Military Construction	North Carolina	United States	M670011280	2ND RADIO BN COMPLEX PHASE 1	06/13/2017	06/24/2019	08/10/2022	80.0%	Unforeseen conditions and design deficiencies resulted in modifications increasing cost and construction time
2016	Missile Defense Agency	Major Military Construction		Poland	640	Aegis Ashore Missile Defense System Complex	03/14/2016	05/30/2018	12/20/2022	93.0%	Reason for schedule delay is continued contractor poor performance. Details are provided quarterly to congress in the <i>MDA Report on the Status of Construction and Obligations for Aegis Ashore Poland</i> .
2016	National Security Agency	Major Military Construction	Maryland	United States	30583	East Campus Building 2 (ECB2)	07/18/2016	09/10/2020	02/01/2022	95.0%	Two primary contract modifications added time to the contract schedule: Commissioning of the central generator plant and mission changes within the administrative spaces. The contractor has also suffered staffing challenges beginning with COVID impacts and never fully recovered with sufficient staff to close out the extension punchlist from an 850,000 square foot facility.

2016	Navy Active	Major Military Construction	Hawaii	United States	N61064416	PMRF POWER GRID CONSOLIDATION	09/20/2018	05/28/2020	03/22/2022	88.0%	Concurrent Contractor issues during the Design-Build phase, as well as unforeseen unexploded ordnance and ancient burial stop works.
2016	Navy Active	Major Military Construction		Italy	N62995407	TRITON HANGAR AND OPERATION FACILITY	12/06/2016	06/28/2018	11/30/2021	67.0%	Staff shortages on government and contract have delayed resolution of Request for Equitable Adjustments (REAs) and critical modifications (MODs).
2016	Navy Active	Major Military Construction		Italy	N62995655	P-8A HANGAR AND FLEET SUPPORT FACILITY	12/06/2016	04/23/2019	11/30/2021	52.0%	Design changes, COVID delays with personnel and material procurement, airfield operations affecting construction activities.
2017	Air Force Active	Major Military Construction	Oklahoma	United States	AGGN173001	KC-46A FTU FTC SIMULATOR FACILITY PHASE 2	09/07/2017	03/01/2019	10/30/2021	99.0%	Multiple issues caused by the contractor has delayed the overall schedule of the construction. To date, the contractor is still working on the computer room floor and Heating, Ventilation, and Air Conditioning (HVAC) systems. Additionally, the contractor is working on Open Punch list items. The U.S. Army Corps of Engineers (USACE) is actively managing the contractor's progress.
2017	Air Force Active	Major Military Construction	Maryland	United States	AJXF093000	CONSTRUCT 21 POINT ENCLOSED FIRING RANGE	05/24/2018	09/13/2020	10/30/2021	99.0%	COVID Delays for materials. Maryland Department of the Environment (MDE) required changes to the storm water management after construction award. Poor Management by the contractor, slow responses by them to requests and changes. MDE design changes have been made. Materials are ordered and on-site. Naval Facilities Engineering Systems Command (NAVFAC) is encouraging the contractor to complete work to get them off-site.
2017	Air Force Active	Unspecified Minor Military Construction		Jordan	ASVF164000	DINING FACILITY	09/11/2018	03/04/2020	10/30/2021	97.0%	Numerous reasons for delay including troop labor (RED HORSE) rotations, COVID-19 impacts, task rework, and material acquisition delays.

2017	Air Force Active	Major Military Construction	Louisiana	United States	AWUB095000	Consolidated Communication Facility	07/18/2019	01/03/2022	03/31/2023	37.0%	Delays due to weather and design revision associated with secure boundaries within the facility. Reasons for delays surround contractor failure to meet design schedule milestones delaying construction start; Air Force disapproval of generator submittal delaying construction of utility yard; and rejected construction of vault. Contractor has increased work hours and added additional crews to focus on critical path activities.
2017	Air Force Active	Major Military Construction		Djibouti	CADJ170001	Construct Chabelley Access Road	08/05/2018	11/01/2019	01/30/2022	93.0%	Substantial rework required on site. Paving sub-subcontractor was unexpected demobilized, with little progress from mid October 2020 until early January 2021. Multiple contract modifications due to unforeseen site conditions; and unanticipated local Government of Djibouti requirements. Delay in contractors procurement of critical construction equipment, materials, and key operators. Onsite work continues albeit slowly towards revised Contract Required.
2017	Air Force Active	Major Military Construction		Djibouti	CADJ170002	Construct Parking Apron and Taxiway	08/05/2018	11/01/2019	02/22/2022	79.0%	Less than effective contractor project management and Quality Control requiring substantial re-work. Paving sub-subcontractor abandonment of project site. Effectively stopped work from mid October 2020 until early January 2021. Multiple contract modifications due to emergent Air Force operational mission needs; unforeseen site conditions; and unanticipated local Government of Djibouti requirements. Delay in contractors procurement of critical construction equipment, materials, and key operators.
2017	Air Force Active	Major Military Construction	Alaska	United States	DXEB053005	FIRE STATION	05/04/2018	04/07/2020	10/30/2021	97.0%	Clear Air Force Station was shut down from 26 March through 18 May 2020 due to COVID-19. The associated delays have pushed the demolition of the existing fire station and Construction Completion Date (CCD) until summer 2021.

2017	Air Force Active	Major Military Construction		Australia	PAF150400	APR EXPAND AIRCRAFT PARKING APRON	08/01/2018	10/15/2019	10/31/2021	99.0%	Significant delays incurred as a result of a change in Australian Perfluoroalkyl And Polyfluoroalkyl Substances (PFAS) regulations for the stockpiling and disposal of soil and debris. Hydrant commissioning testing failed requiring valve replacement further extending the schedule.
2017	Air Force Active	Major Military Construction	Illinois	United States	VDYD101053	Consolidated Communications Facility Add/Alt	09/25/2020	05/10/2022	10/01/2023	45.0%	Phasing incompatibilities between the original design construction schedule and the contractor's proposed bid execution phases. Deconflicting and rescheduling required added work days and funding. Since then, numerous corrections to design errors/omissions and unforeseen site conditions have been identified as well, adding the delays. Additional contingency/management reserve funds were provided to the Resident Office to minimize further delays. Future change orders will require the Project Development Team go through MILCON Upward Obligation Adjustment process to obtain prior year funding.
2017	Air National Guard	Major Military Construction	North Carolina	United States	FJRP159062	C-17 Corrosion Control & Fuel Cell Hgr	05/17/2019	10/28/2020	12/22/2021	91.0%	This delay is due to the lack of General Counsel coordination with the insulated metal panels, paint booth, and hangar doors. Steps to Mitigate Future Delays Letters of concern, cure notice and liquidated damage (LD) letter have been sent. Project is currently in LD status till completion.
2017	Army Active	Major Military Construction		Germany	62380	Training Support Center	02/22/2018	05/11/2022	07/15/2023	49.0%	Award-To-Industry was delayed due to environmental issues. Weather and COVID site restrictions have also contributed to delays.
2017	Army Active	Major Military Construction	Utah	United States	77538	Live Fire Exercise Shootouse	08/31/2018	02/22/2020	01/23/2022	84.0%	Delay due to re-design during construction. Design errors discovered during construction caused delay of project completion.
2017	Army National Guard	Major Military Construction	Hawaii	United States	150035	Combined Support Maintenance Shop	02/26/2018	06/30/2019	10/18/2021	94.0%	The contracting office at State level failed to execute timely change orders and this delayed the construction and, during COVID, the travel to Hawaii was restricted resulting in lack of workers.

2017	Army National Guard	Major Military Construction	Kansas	United States	200101	National Guard Readiness Center	12/04/2018	12/23/2020	02/12/2022	99.0%	The reason for the delay in processing the final payment is due largely to the amount of time it took to receive and install the back-up generator. Following the installation of the generator, the state had unexpected issues requiring the reprogramming/ rewiring of the elevator in order for the elevator to meet code. Originally the elevator was programmed to go to the bottom floor, open the doors, and lock itself out. Once the back-up generator was installed, the elevator could no longer be allowed to operate that way during a power outage.
2017	Army National Guard	Major Military Construction	Pennsylvania	United States	420502	Access Control Building	11/12/2017	05/27/2019	11/27/2022	4.0%	The original Access Control Point (ACP) construction contract was cancelled due to a significant bid bust, then broken the construction into two different contracts, West (Federal funded) and East (State funded).
2017	Defense Health Agency	Major Military Construction	North Carolina	United States	14019	Dental Clinic Replacement	07/20/2018	07/13/2020	10/07/2021	99.0%	Contractor failed to provide sufficient manpower to maintain the schedule and failed to follow approved plans.
2017	DLA Defense Energy Support Center	Major Military Construction		Marshall Islands	DESC1704	REPLACEMENT STORAGE TANKS	11/08/2017	12/27/2020	06/30/2022	68.0%	Contractor experienced difficulties with logistics before the COVID pandemic. The Atoll was essentially shut down during the pandemic for approaching two full years. Atoll has recently reopened and the contractor is slowly getting back on the job. Negotiations between the contractor and the U.S. Army Corps of Engineers (USACE) to find a path to full scope and final completion are ongoing. Contractor is asking for significantly more funding to complete entire project.
2017	DLA Defense Energy Support Center	Major Military Construction		Japan	DESC1708	CONSTRUCT TRUCK FUEL RECEIPT SYSTEM	09/08/2017	09/08/2019	12/08/2022	95.0%	New facility can not be connected to the Iwakuni fuel system and commissioned until repairs and associated commissioning are completed on another portion of the fuel system that this facility connects too.

2017	Missile Defense Agency	Unspecified Minor Military Construction		Israel	673	Integrated Electronic Security System (IESS) Installation & Security Infrastructure Upgrades	08/15/2018	05/31/2019	11/15/2021	99.0%	Project was on-hold from March 2020 to May 2021 due to Host Nation (HN) COVID-19 travel restriction on contractors being allowed to reenter the country.
2017	Special Operations Command	Major Military Construction	North Carolina	United States	69552	SOF Tactical Equipment Maint Facility - 69552	03/19/2019	11/08/2020	02/08/2022	92.0%	Delay was caused by the requirement for an above threshold reprogramming action. Other delays included state permitting, site compaction challenges, and the supply chain and labor impacts of COVID.
2017	Special Operations Command	Major Military Construction	North Carolina	United States	74813	SOF Parachute Rigging Facility - 74813	07/17/2018	09/04/2020	11/01/2021	99.0%	Delay was caused by slow contractor progress before COVID and the supply chain and labor impacts of COVID.
2017	Special Operations Command	Major Military Construction	North Carolina	United States	76514	SOF Special Tactics Facility, Ph 3 - 76514	07/02/2018	03/23/2020	10/29/2021	98.0%	Delays due to Electrical and Communications changes by user and COVID impact on project.
2017	Special Operations Command	Unspecified Minor Military Construction	Virginia	United States	P900	SOF MULTI-PURPOSE CANINE OPERATIONS FACILITY	06/28/2018	02/10/2020	07/26/2023	0.0%	COVID was one of the major delays associated with this project. The Project was in construction when the pandemic hit and with such a small site, positive tests affected most worker teams' ability to work due to quarantine requirements. In addition, the kennel certifying official expressed concerns with the kennel cage design which required design changes and new shop drawings. The cages were then on the critical path and when the winter storm hit Texas (Feb 2021), manufacturing and shipping of the cages was delayed up to 8 weeks. Overall impact for the cage related issues was 28 weeks. Additional delays were related to Virginia Natural Gas line installation.

2018	Air Force Active	Major Military Construction		Kuwait	AEWV171012	Dining Facility Addition	03/27/2019	08/08/2020	05/02/2022	42.0%	Delays included base access issues, delays in approving project design, delays in resolving Requests for Equitable Adjustment (REAs), pending REAs, and denial of access to utilities. Air Force Civil Engineering Center (AFCEC) and United States Air Forces Central (AFCENT) leadership are engaged with U.S Army Corps of Engineers (USACE) tracking resolution of REAs and legal counsels from USACE and the contractor have set a meeting 27 Oct to discuss and resolve.
2018	Air Force Active	Major Military Construction		Jordan	ASVF183100D	OIR: MSAB - DORMITORY	04/05/2019	08/29/2020	10/30/2021	94.0%	The contract completion date has slipped due to COVID-19 impacts and base security access delays. The country of Jordan limits travel times during the day, which reduces the workday start and stop time each day.
2018	Air Force Active	Major Military Construction	Florida	United States	FTFA163003	F-35A Armament Research Facility Addition (B614)	11/01/2018	08/22/2020	10/01/2021	99.0%	The delay is attributed COVID 19 impacts and issues during commissioning. Another delay was caused by the user not funding the furniture, fixtures, and equipment (FF&E) leading to a separate contract. Minor testing and balancing issues are being worked. The fire protection system has been tested and accepted but we are still awaiting the final documentation.
2018	Air Force Active	Major Military Construction	Alaska	United States	FTQW180107	F-35A Consolidated Munitions Admin Facility	04/05/2018	02/14/2020	10/31/2021	97.0%	Schedule delay due to direction and funding to dispose of contaminated soils.

2018	Air Force Active	Major Military Construction		United Kingdom	MSET153501	F-35A FLIGHT SIMULATOR FACILITY	07/18/2019	11/01/2020	12/01/2021	81.0%	Multiple Design delays associated with the ICD-705 implementation are now causing significant delays in construction activities. Additionally, contractor has experienced supply chain/management issues and has difficulties de-conflicting the mechanical/fire/structural design elements. Additionally, there have been some delays due to COVID-19 (final impact still TBD). Air Force Civil Engineering Center is engaged with the U.S. Air Forces Europe, the 48th Fighter Wing and United Kingdom Defence Infrastructure Organisation (DIO) and pushing the contractor to develop a recovery plan. Progress on both the Flight Sim/Squad Ops is monitored/reported weekly. DIO is exploring contractual options to bring the contractor back on schedule.
2018	Air Force Active	Major Military Construction		United Kingdom	MSET153514	F-35A SQUADRON OPERATIONS AND AMU	07/18/2019	02/01/2021	03/01/2022	62.0%	Multiple Design delays associated with the ICD-705 implementation are now causing significant delays in construction activities. Additionally, contractor has experienced supply chain/management issues and has difficulties de-conflicting the mechanical/fire/structural design elements. Additionally, there have been some delays due to COVID-19 (final impact still TBD). Air Force Civil Engineering Center is engaged with the U.S. Air Forces Europe, the 48th Fighter Wing and United Kingdom Defence Infrastructure Organisation (DIO) and pushing the contractor to develop a recovery plan. Progress on both the Flight Sim/Squad Ops is monitored/reported weekly. DIO is exploring contractual options to bring the contractor back on schedule.
2018	Air Force Active	Major Military Construction	North Dakota	United States	QJVF012005	Indoor Firing Range	06/26/2019	08/18/2020	12/19/2021	90.0%	Six-month extension for late contract award and weather delays. Additional 4 month delay due to delivery delay with electrical switchgear.

2018	Air Force Active	Unspecified Minor Military Construction	Nevada	United States	RKMF173010	HYDRAZINE FUEL STORAGE & SERVICING FACILITY	11/12/2019	11/11/2020	12/30/2021	93.0%	First delay was for a design problem, hydrazine detection system was not sensitive enough. added 100 days to purchase and install additional sensors. State requires inspection and drinking water permit for new water line. After the user moves in, then demolition of the existing facility can start. Both Fire Department and Safety require water to the facility before Beneficial Occupancy Date (BOD) Drinking water permit has been ordered from Clark County, Nevada. New waterline will be installed upon state approval. Nellis Air Force Base is working on the water permit and the contractor is adding gate valves to the waterline.
2018	Air Force Reserve	Major Military Construction	Florida	United States	SXHT103001	Guardian Angel Facility	08/29/2018	07/19/2020	01/05/2022	81.0%	Project was delayed 439 days due to design error with Drying tower that cause the Architecture and Engineering (A-E) to redesign at a cost of \$838K to the contract. U.S. Army Corps of Engineers (USACE) had submitted a Letter of Concern (LOC) for the overall construction schedule and the contractor submitted an "Action Plan" to finish by 22 Apr 2022.
2018	Air National Guard	Major Military Construction	Oklahoma	United States	XHZG179037	Construct Small Arms Range	10/03/2019	11/01/2020	12/01/2021	1.0%	The base is waiting on the State of Oklahoma under a Military Construction Cooperative Agreement (MCCA) to award the Project.
2018	Army Active	Unspecified Minor Military Construction	Washington	United States	86518	Aircraft Engine Test Building	08/16/2019	08/15/2020	11/26/2021	90.0%	Delays due to COVID impacts on the supply chain.
2018	Army Active	Major Military Construction		Turkey	86832	Forward Operating Site	10/02/2018	03/25/2022	07/04/2023	31.0%	Delays are due to restricted site access to mitigate COVID and limited construction season (Apr-Oct, remote site/high elevation) which resulted in late construction start.
2018	Army Active	Unspecified Minor Military Construction	California	United States	91528	Brigade (BDE) Headquarters Building	09/12/2019	10/08/2020	11/30/2021	94.0%	Delays due to COVID impacts on manufacturing and shipping materials/equipment.

2018	Army Active	Unspecified Minor Military Construction		Romania	91732	Power Substation/Switching Station Bldg	10/30/2018	10/24/2020	12/14/2021	60.0%	COVID delayed contractor access to the base and created shipping delays of materials. Once on-site, contractor progress was slow. Ex. Transformer order was delayed 3-months and associated parts were not correct resulting in additional 5 weeks to reorder.
2018	Army National Guard	Major Military Construction	Kansas	United States	200151	Enlisted Barracks, Transient Training	10/10/2018	05/14/2020	10/15/2021	99.0%	The issue that affected the delayed final payment was significant roof leaks. The State did not want to final pay the general contractor until the roof issues had been resolved. The roofing subcontractor was unwilling to do the necessary investigations to determine where water may be entering the building. The general contractor hired a second roofing contractor to do an independent investigation.
2018	Army National Guard	Major Military Construction	Maine	United States	230135	National Guard Readiness Center	09/17/2018	09/01/2020	12/31/2021	99.0%	The Maine Army National Guard (MEARNG) has construction delay because the contractor was getting the punchlist items completed as well as building electrical controls working and systems training working as well.
2018	Army Reserve	Major Military Construction		Puerto Rico	88731	AR Center Training Building	06/28/2019	12/19/2020	02/15/2022	75.0%	Project delayed due to unforeseen site conditions the required significant amount of rock to be removed.
2018	Defense Health Agency	Major Military Construction	Missouri	United States	77140	Blood Processing Center Replacement	03/26/2019	09/16/2020	10/29/2021	99.0%	Contractor has failed to provide sufficient manpower to maintain the schedule.
2018	Defense Health Agency	Major Military Construction	Colorado	United States	77987	Medical/Dental Clinic Addition/Alteration	10/23/2018	06/17/2021	12/30/2022	55.0%	Contractor has failed to provide sufficient manpower to maintain the schedule.
2018	Defense Health Agency	Major Military Construction	Maryland	United States	80906	Medical Center Add/Alt, Inc 2-4	07/01/2020	03/01/2026	05/13/2027	15.0%	This is an incrementally funded project. Unforeseen site condition has delayed the progress of this project.

2018	DLA Defense Energy Support Center	Major Military Construction		Guam	DESC1709	Construct Fuel Truck Offload, Andersen AB	09/21/2018	12/15/2019	12/15/2021	94.0%	Project construction complete and handed over to the Air Force for operation in July 2021. The contractor has submitted several Request for Equitable Adjustments (REAs) and negotiations are underway. Naval Facilities Engineering Systems Command (NAVFAC) to provide government position on settlement offer via letter to contractor. Contractor intends to respond in writing upon receipt of NAVFAC's letter.
2018	DLA Defense Energy Support Center	Major Military Construction		Japan	DESC1805	FY18 DLA DESC1805 Upgrade Fuel Wharf, Yokose Fuel Terminal, Japan SABO JAPAN	03/13/2019	04/21/2021	01/31/2023	55.0%	Project encountered delays for many reasons; difficulty procuring access to the installation due to Navy's minimal manning of pass and identification shop, many critical submittals being rejected and having to be worked through, poor scheduling and execution by the contractor and difficulty in commissioning, that required Defense Logistics Agency (DLA) to step in with experience from other projects to suggest alternate solutions that the contractor could perform and Naval Facilities Engineering Systems Command (NAVFAC) could accept. U.S. Army Corps of Engineers (USACE) is in negotiation with the contractor regarding contractor Request for Equitable Adjustments (REA).
2018	Marine Corps Active	Major Military Construction	Virginia	United States	M00264542	TBS FIRE STATION BUILDING 533 REPLACEMENT	06/13/2019	10/30/2020	12/31/2021	52.0%	The delay is due to the traffic circle being redesigned as an intersection. The Request for Proposal (RFP) for the redesign was issued to the prime contractor on 05 Sept 21 and expect the proposal in November 21 (Design-Build project).
2018	Marine Corps Active	Major Military Construction	California	United States	M006811310	AMMUNITION SUPPLY POINT UPGRADE	10/11/2018	10/10/2020	01/15/2022	55.0%	Received archaeological clearance late, additional asbestos abatement was required, site access issues due to FY14 P970 Ammunition Supply Point Facilities Pulgas, and there were unforeseen soil conditions and design issues.
2018	Marine Corps Active	Major Military Construction	North Carolina	United States	M670011320	BACHELOR ENLISTED QUARTERS	10/12/2018	10/23/2020	11/05/2021	77.0%	Multiple quality of work issue required rework and delays. Contractor site management staff turnovers also caused delays.

2018	Marine Corps Active	Major Military Construction	Guam	Guam	N41557601	AIRCRAFT MAINTENANCE HANGAR #2	05/30/2018	10/02/2020	10/22/2021	95.0%	Contractor designer of record interpretation issues associated with the contract documents led to design errors associated with the bridge crane and the primary electrical supply transiting out of the Secure-A space. Awaiting spark resistant components for the bridge crane.
2018	Navy Active	Major Military Construction	Florida	United States	N00213731	FIRE STATION	10/03/2019	11/30/2020	12/23/2021	59.0%	Delays due to supply chain issues and labor shortages related to COVID impacts. Additionally, steel trusses and associated steel roofing components were found unacceptable and required repairs, causing delays during construction.
2018	Navy Active	Major Military Construction		Djibouti	N3379A505	AIRCRAFT PARKING APRON EXPANSION	11/09/2018	06/18/2020	11/30/2021	52.0%	COVID related base closure and associated demobilization and remobilization.
2018	Navy Active	Major Military Construction	Florida	United States	N60201421	MISSILE MAGAZINES	08/17/2018	08/04/2020	06/25/2022	31.0%	Additional delays due to Contractor structural design and concrete quality issues on magazine #88 resulting in Cure Notice/Stop Work Order and re-design. Contractor, Naval Facilities Engineering Systems Command (NAVFAC) SE and Expeditionary Warfare Center (EXWC) coordinating re-design to support a waiver from Naval Ordnance Safety and Security Activity(NOSSA)/DoD Explosives Safety Board (DDESB).
2018	Navy Active	Major Military Construction	Virginia	United States	N62688495	CHAMBERS FIELD MAGAZINE RECAP PH 1	10/12/2018	02/04/2021	09/04/2022	23.0%	Delays to Expeditionary Warfare Center (EXWC) and DoD Explosives Safety Board (DDESB) site approval.
2018	Navy Active	Major Military Construction	California	United States	N63042282	F/A 18 AVIONICS REPAIR FACILITY REPLACEMENT	10/03/2018	02/24/2021	02/25/2022	99.0%	The Navy Marine Corps Intranet (NMCI) Next Generation Enterprise Network (NGEN) bid protest resulted in the 6AG/6AS surveys being delayed. There were also COVID-related delays.

2018	Navy Reserve	Major Military Construction	Georgia	United States	N42237642	NAVY OPERATIONAL SUPPORT CENTER FORT GORDON	09/26/2018	01/06/2020	10/16/2021	99.0%	Delays primarily due to significant number of mods/Request for Equitable Adjustments (REA) resulting from design error/omissions, the majority related to civil site and utilities corrections as well as Furniture, Fixtures and Equipment (FF&E) design. Delays were exacerbated by a contractor error in placement of building 1 ft. off plans, resulting in significant re-work to correct.
2018	Special Operations Command	Major Military Construction		Unspecified World Wide	79453	SOF TEMF - 79453	03/19/2019	11/08/2020	01/24/2022	75.0%	Delay was caused by the requirement for an above threshold reprogramming action. Other delays included state permitting and the supply chain and labor impacts of COVID.
2018	Special Operations Command	Major Military Construction	Virginia	United States	P791	SOF SATEC RANGE EXPANSION	09/27/2018	03/17/2021	04/05/2022	82.0%	Error and omissions in the design caused delays to the project.
2018	Special Operations Command	Major Military Construction	Virginia	United States	Q791	SOF SATEC RANGE EXPANSION	09/27/2018	03/17/2021	04/05/2022	82.0%	Error and omissions in the design caused delays to the project.
2018	Washington Headquarters Services	Major Military Construction	Virginia	United States	91474	Southeast Safety Traffic and Parking Improvements	02/01/2020	01/22/2021	02/28/2023	13.0%	Congressional prior approval reprogramming due to COVID impacts, traffic signaling scope change, and security enhancements delayed the project.
2019	Air Force Active	Major Military Construction	Massachusetts	United States	MXRD153006	MIT-Lincoln Laboratory (West Lab CSL/MIF)	08/30/2019	05/18/2022	11/22/2024	2.0%	This project encountered significant cost growth requiring Congressional notification per 10 USC 2853 and determination of the way ahead for financing the additional cost through additional appropriations in FY2023 and FY2024.
2019	Air Force Active	Major Military Construction	Nevada	United States	RKMF123009	CRH Simulator	11/20/2019	06/02/2021	07/29/2022	95.0%	The current simulator equipment does not fit within the building as designed with the overhead crane in place. The overhead crane had to be redesigned to fit over the simulator, which required a new manufacturing and delivery time.
2019	Air National Guard	Unspecified Minor Military Construction	North Carolina	United States	FJRP199080	C-17 Simulator Facility	08/27/2019	08/26/2020	11/08/2021	89.0%	Delays were caused by unsuitable soils in which we issued a modification to the period of performance to add 279 days. In addition, the contractor is behind schedule due to improper sequencing and additional weather delays.

2019	Army Active	Major Military Construction	New Jersey	United States	63054	Munitions Disassembly Complex	11/04/2019	11/03/2021	11/30/2022	73.0%	Delays are due to unforeseen site conditions with the subsurface and delivery of long lead items.
2019	Army Reserve	Major Military Construction	California	United States	77268	ECS Modified TEMF/ Warehouse	03/25/2019	11/21/2020	01/07/2022	88.0%	Issues with establishing permanent power to project site delayed Heating, Ventilation and Air Conditioning (HVAC) commissioning and over key activities.
2019	Marine Corps Active	Unspecified Minor Military Construction	Hawaii	United States	N62813216	ELECTRICAL DISTRIBUTION INTERCONNECT	02/17/2020	12/29/2020	01/02/2022	33.0%	Encountered unforeseen utility lines during construction, realignment of new electrical duct lines required.
2019	Navy Active	Major Military Construction	Maine	United States	N324461074	EXTEND PORTAL CRANE RAIL	12/05/2019	01/27/2021	03/20/2022	68.0%	Contractor inadequate work resulting in rework.
2019	Navy Active	Major Military Construction	Maine	United States	N32446310	DRY DOCK #1 SUPERFLOOD BASIN	12/05/2019	01/27/2021	03/20/2022	83.0%	Contractor inadequate work resulting in rework.
2019	Navy Active	Major Military Construction	Florida	United States	N60201426	LCS SUPPORT FACILITY	09/27/2019	04/02/2021	05/11/2022	83.0%	Design and construction modifications required for site safety / coordination of pedestrian walkways, customer requested changes to Electronic Security Systems, and in-line booster exhaust fan and Building Automation System (BAS) extension.
2019	Navy Active	Unspecified Minor Military Construction	Florida	United States	N60508288	AHTS TEMPORARY MAINTENANCE HANGAR FOUNDATION	01/24/2020	01/11/2021	03/30/2022	99.0%	Delays attributed to rework associated with fire protection, fire alarm and mass notification systems. All work is complete; Contract must remain open until end of lease and removal of temporary facilities.
2019	Navy Active	Major Military Construction	California	United States	N61065224	CAUSEWAY, BOAT CHANNEL & TURNING BASIN	07/29/2019	10/27/2022	06/18/2024	50.0%	Contract extended to pick up adjacent project (FY20 P226) as an option to the P224 contract.
2020	Special Operations Command	Major Military Construction	North Carolina	United States	P1395	SOF MARINE RAIDER REGIMENT HQ	04/10/2020	10/04/2021	02/17/2023	1.0%	The Original Project start was delayed 6 months to December 2020 due to COVID impacts. The original estimated 18 month period of performance underestimated the size of the project.
2021	Navy Active		Virginia	United States	N62688404	E-2D TRAINING FACILITY	09/23/2021	11/30/2019	01/31/2023	1.0%	Requirement changes on radio frequency shielding during construction resulted in stop work, redesign and change orders.