



THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

ACQUISITION
AND SUSTAINMENT

The Honorable Jack Reed
Chairman
Committee on Armed Services
United States Senate
Washington, DC 20510

Dear Mr. Chairman:

Pursuant to section 2851(d) of title 10, United States Code, enclosed is the Department's annual report on military construction and military family housing projects for which the estimated completion date is more than one year later than the estimated completion date at the time of contract award. This report provides information as of the end of fiscal year 2020. It is late due to challenges with data quality and delays in data collection.

I am sending an identical letter to the Chairman of the House Armed Services Committee.

Sincerely,

Gregory M. Kausner
Executive Director, International Cooperation
Performing the Duties of Under Secretary of
Defense for Acquisition and Sustainment

Enclosure:
As stated

cc:
The Honorable James M. Inhofe
Ranking Member



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WASHINGTON, DC 20301-3010

ACQUISITION
AND SUSTAINMENT

The Honorable Adam Smith
Chairman
Committee on Armed Services
U.S. House of Representatives
Washington, DC 20515

Dear Mr. Chairman:

Pursuant to section 2851(d) of title 10, United States Code, enclosed is the Department's annual report on military construction and military family housing projects for which the estimated completion date is more than one year later than the estimated completion date at the time of contract award. This report provides information as of the end of fiscal year 2020. It is late due to challenges with data quality and delays in data collection.

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As stated
cc:
The Honorable Mike D. Rogers
Ranking Member

REPORT TO CONGRESS

ON

**FY 2020 MILITARY CONSTRUCTION AND MILITARY
FAMILY HOUSING SCHEDULE DELAYS**



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

December 2021

The estimated cost of this report or study for the Department of Defense is approximately \$29,000 for the 2020 Fiscal Year. This includes \$500 in expenses and \$29,000 in DoD labor.

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REPORT TO CONGRESS
ON
FY 2020 MILITARY CONSTRUCTION AND MILITARY FAMILY HOUSING
SCHEDULE DELAYS

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 estimated completion date proposed at the time of contract award. This report provides information on the 97 projects that fall into this category, as of the end of Fiscal Year 2020.

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, changing mission requirements, environmental mitigation issues, weather delays, unforeseen conditions such as the pandemic, and contractor delays such as poor performance. Several projects were delayed for more than one reason. The top three contributors to project delays were unforeseen conditions (47 percent), contractor delays (29 percent), and poor initial planning (24 percent). Most projects appear to have unique circumstances associated with each delay with no attributable overarching category or trends associated with the delay. Poor initial planning includes factors that could have reasonably been addressed before causing a delay such as knowing preexisting site conditions, planning for the movement of personnel and equipment, obtaining permits, and refining 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

FY2020 Annual Report of Construction and Military Family Housing Schedule Delays

NOTE: PROJECTS ARE SORTED CHRONOLOGICALLY

Project Fiscal Year	Project Sponsor Component Name	Construction Project Type Name	State or Country	Project Number	Project Title	Construction Start Date	Original Construction Completion Date	Current Construction Completion Date	Construction Percent Complete	Reason for Schedule Delay
2007	Defense Health Agency	Major Military Construction	Maryland	58395	USAMRIID Replacement, Incr 1-8	06/01/2009	05/31/2014	03/31/2021	98%	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.

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2010	Washington Headquarters Services	Major Military Construction	Virginia	80001	Pentagon Electrical Upgrade	11/07/2013	02/05/2015	07/01/2021	88%	Major project delays due to the failure of the original contractor to provide a design per the contract. In consultation with the Small Business Administration, the contract was novated to a new contractor. This new contractor then had major delays with their subcontractor performing the building foundation work. Multiple design resubmissions were required before approval. Currently, the contractor is repairing electrical equipment in preparation to start energization activities.
2011	Army Active	Major Military Construction	New York	59044	Science Facility, Ph 2	11/17/2011	01/29/2016	12/31/2020	99%	Schedule delays are attributed to on going work to complete and commission HVAC system. This is part of the additional work authorized by Congress in FY16 NDAA (HVAC to Legacy Barracks)

Project Fiscal Year	Project Sponsor Component Name	Construction Project Type Name	State or Country	Project Number	Project Title	Construction Start Date	Original Construction Completion Date	Current Construction Completion Date	Construction Percent Complete	Reason for Schedule Delay
2012	Air Force Active	Major Military Construction	Italy	HACC123204	UAS SATCOM Relay Pads and Facility	07/23/2016	04/07/2018	11/05/2020	98%	Two significant floods of the site in the winters of 2017 and 2018 resulted in a substantial amount of rework. During the final fire protection inspection, previously unidentified life and safety deficiencies were noted requiring correction prior to construction completion. A contract modification was issued to correct life and safety deficiencies; anticipated construction completion is November 2020.
2012	Air Force Active	Major Military Construction	Germany	TYFR063017	DORMITORY (192 RM)	07/28/2015	06/27/2017	03/30/2022	73%	This was a 3 phase MILCON project consisting of demolition, new dormitory and parking garage. Execution of phase 3 (parking garage) has been plagued by structural design errors identified after construction began resulting in a work stoppage. The subsequent stoppage and ensuing court proceedings resulted in the German LBB, the host nation construction agent, having to solicit and procure a new firm to redesign the parking structure.

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2012	Defense Health Agency	Major Military Construction	Maryland	77154	Ambulatory Care Center, Inc 1-2	03/01/2013	12/06/2016	12/30/2020	99%	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 JB Andrews Ambulatory Care Center is scheduled to be fully complete summer 2019, a significant portion was completed and available for patient care July 2016.
2012	Defense Health Agency	Major Military Construction	Maryland	77154	Ambulatory Care Center, Inc 2	03/01/2013	12/06/2016	12/30/2020	99%	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 JB Andrews Ambulatory Care Center is scheduled to be fully complete summer 2019, a significant portion was completed and available for patient care July 2016.

Project Fiscal Year	Project Sponsor Component Name	Construction Project Type Name	State or Country	Project Number	Project Title	Construction Start Date	Original Construction Completion Date	Current Construction Completion Date	Construction Percent Complete	Reason for Schedule Delay
2013	Air Force Active	Major Military Construction	Guam	AJY123010	Guam Strike Fuel Systems Maintenance Hangar	03/18/2015	04/16/2017	06/30/2021	93%	Schedule delays can be attributed to: USG changed required excavation method to 6" lift/dirt sifting after the contract was awarded as a safeguard for Munitions of Explosive Concern (MEC) and a quota on H2B worker visas created a shortage of skilled workers. Several construction workers reported positive COVID-19 test forcing a 14-day quarantine of construction workers resulting in a shortage of manpower on the construction site. Resource conflicts with another project (Fuel Systems Hangar) for large overhead cranes and installation of new utilities resulted in further delays.
2013	Army Active	Major Military Construction	Texas	68530	Barracks	11/18/2015	12/17/2018	07/08/2021	18%	The original contract was Terminated for Default 8 Jan 2019 due to poor performance. Surety solicited/awarded a new contract 31 May 2019.
2013	Army Active	Major Military Construction	Japan	62783	Satellite Communications Facility	11/21/2014	06/09/2021	08/11/2022	77%	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.

Project Fiscal Year	Project Sponsor Component Name	Construction Project Type Name	State or Country	Project Number	Project Title	Construction Start Date	Original Construction Completion Date	Current Construction Completion Date	Construction Percent Complete	Reason for Schedule Delay
2013	DoD Education Activity	Major Military Construction	Japan	PA00028	FY13 DoDEA PA00028 Zama High School Renovation, Camp Zama, Japan	08/02/2017	07/19/2019	03/02/2021	86%	There were significant delays early in the project due to the release of Asbestos Containing Materials (ACM) into the HVAC system of an unoccupied building under renovation.
2014	Air Force Active	Major Military Construction	Guam	AJY143760	Hardened Structures For POL Fuel Systems	10/07/2014	06/28/2016	11/13/2020	99%	Schedule delays can be attributed to: USG changed required excavation method to 6" lift/dirt sifting after the contract was awarded as a safeguard for Munitions of Explosive Concern (MEC) and a quota on H2B worker visas created a shortage of skilled workers. Several construction workers reported positive COVID-19 test forcing a 14-day quarantine of construction workers resulting in a shortage of manpower on the construction site. Resource conflicts with another project (Fuel Systems Hangar) for large overhead cranes and installation of new utilities resulted in further delays.

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2014	Air Force Active	Major Military Construction	Guam	AJY133027	Guam Strike Tanker Gp Maint Hangar/Amu/Sqd Ops (Incr 1)	01/22/2015	03/08/2017	07/31/2021	94%	Schedule delays can be attributed to: USG changed required excavation method to 6" lift/dirt sifting after the contract was awarded as a safeguard for Munitions of Explosive Concern (MEC) and a quota on H2B worker visas created a shortage of skilled workers. Several construction workers reported positive COVID-19 test forcing a 14-day quarantine of construction workers resulting in a shortage of manpower on the construction site. Resource conflicts with another project (Fuel Systems Hangar) for large overhead cranes and installation of new utilities resulted in further delays.
2014	Army Active	Military Family Housing	Germany	78712	Family Housing New Construction	08/11/2017	11/25/2019	12/15/2020	91%	Project awarded through German Bauamt. Delays were primarily the result of insufficient mason/concrete workers and exacerbated by the bankruptcy of a key subcontractor. Labor shortages, unresolved deficiencies and poor contractor performance are continual delay factors.

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2014	Defense Health Agency	Major Military Construction	Maryland	77000	Public Health Command Laboratory Replacement	09/08/2015	02/19/2019	02/01/2021	94%	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	Marine Corps Active	Major Military Construction	California	M00681970	AMMUNITION SUPPLY POINT FACILITIES PULGAS	01/13/2016	04/27/2018	04/01/2021	77%	Delays due to unforeseen conditions encountered (unexploded ordnance) and additional requirements for cultural and unexploded ordnance monitoring contracts.
2014	Marine Corps Active	Major Military Construction	Hawaii	M00318863	AIRCRAFT MAINTENANCE HANGAR UPGRADES	10/03/2016	04/17/2019	12/06/2021	57%	Delays due to poor contractor performance, additional coordination required with end user in same hangar bay as contractor to minimize mission impacts, and COVID-19. Project shutdown multiple times and delayed fire protection material delivery due to COVID-19 related issues.

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2015	Air Force Active	Major Military Construction	Oklahoma	WWYK153005	KC-46A TWO-BAY DEPOT MAINTENANCE HANGAR	05/11/2017	04/30/2019	10/30/2020	98%	Construction completion was delayed by roughly 9 months for weather delays and contract modifications. Schedule creep and contractor performance issues has further delayed construction completion by another 10 months.
2015	Air Force Active	Unspecified Minor Military Construction	Italy	ASHE143006	MILITARY WORKING DOG (MWD) KENNEL COMPLEX	08/01/2017	02/02/2019	11/30/2020	39%	Italian law changes required a UXO survey be performed prior to construction that resulted in a contract modification and project delays. Work in Italy was suspended due to COVID19, for a period from 23 March to 4 May 20. Modifications are pending to update construction completion.

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2015	Air Force Active	Major Military Construction	Guam	AJY133028	PAR Low Observable/Corrosion Control/Composite Repair Shop	10/30/2016	09/20/2018	04/08/2021	50%	Schedule delays can be attributed to: USG changed required excavation method to 6" lift/dirt sifting after the contract was awarded as a safeguard for Munitions of Explosive Concern (MEC) and a quota on H2B worker visas created a shortage of skilled workers. Several construction workers reported positive COVID-19 test forcing a 14-day quarantine of construction workers resulting in a shortage of manpower on the construction site. Resource conflicts with another project (Fuel Systems Hangar) for large overhead cranes and installation of new utilities resulted in further delays.

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2015	Air Force Active	Major Military Construction	Italy	PAYZ15001H	ERI: Improve Weapons Storage Facility	12/04/2017	08/28/2020	07/13/2022	30%	RFI (Italian Rail) advised of their need for additional land, which was not previously discussed. They received notification from US ARMY that they will have control of the land to construct their portion of the project. The expropriated land was originally to be transferred to GENIODIFE and then ceded to US MILITARY for their use with a portion to RFI for their use. The land was ceded directly to US ARMY, and US cannot give land to a private Italian entity. The U.S. Embassy is currently involved in negotiations for land expropriation.
2015	Army Active	Major Military Construction	Colorado	77305	Aircraft Maintenance Hangar	06/16/2015	06/02/2019	12/23/2020	93%	Project had a variety of delays to include: poor subcontractor performance, hangar not available for demolition, design and engineering changes/errors, changing requirements and COVID restrictions.
2015	Army Active	Major Military Construction	Romania	86404	ERI: Hazardous Cargo Ramp	10/24/2017	12/13/2019	05/13/2021	40%	Design build project. Early delays in design review, construction quality, utility coordination, host nation agreement and site availability were issues. COVID related site access and weather delays have recently impacted completion.

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2015	Army Active	Unspecified Minor Military Construction	Louisiana	81234	Fire Station Addition	09/27/2018	09/27/2019	05/14/2021	55%	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	DoD Education Activity	Major Military Construction	Spain	PA00017	Killin Elementary School Replacement/Renovation	01/11/2017	11/17/2020	11/23/2022	41%	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	Virginia	M00264635	AMMUNITION SUPPLY POINT EXPANSION	11/30/2016	03/25/2018	12/18/2020	98%	Project scope changes caused delays: Elevator design; SIPR comm equipment relocation; additional piles required; unforeseen unsuitable soil removal and disposal; electrical distribution change. Decontamination facility had to be relocated. Design changes required for: fire protection; HVAC; storm water system. Additional AT/FP bollards were added to security features.

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2015	Marine Corps Active	Major Military Construction	North Carolina	M00146193	WATER TREATMENT PLANT REPLACEMENT	01/05/2017	02/28/2020	11/23/2021	90%	Unforeseen underground obstructions & utility relocations. Unsuitable soils & lead abatement for well house.
2015	Navy Active	Major Military Construction	Pennsylvania	N32414547	OHIO REPLACEMENT POWER & PROPULSION FACILITY	06/01/2015	01/12/2017	11/19/2021	77%	Reprogramming required before project award. Second reprogramming was required after construction contract award. Delayed & second reprogramming caused by unforeseen underground obstructions and utilities requiring relocation. Foundation redesign due to underground waterway. Delays receiving Philadelphia gas and water permits. A second reprogramming was required after construction contract was made.

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2015	Navy Active	Major Military Construction	Spain	N62863712	SHIP BERTHING POWER UPGRADES	12/04/2015	05/23/2018	12/28/2021	85%	Project delays have been caused by design errors and omissions. A final modification is pending for the following scope includes cost and accumulated time: - Switchgear house reprogramming, testing and commissioning - Static Frequency converters breakers - Auxiliary transformers breakers - Coordination with ENDESA metering system Additionally, the contractor stopped work as a result of COVID measures in Spain for approximately 1.5 months and worked at a reduced capacity for 2-3 months after restarting work. That time will be included in the final modification.
2015	Navy Active	Major Military Construction	Maryland	N61151190	ADVANCED ENERGETICS RESEARCH LAB COMPLEX, PHASE 2	05/11/2017	09/06/2019	12/01/2023	22%	Challenging and complex blast design, with associated EXWC and NOSSA design reviews, and pending DDESB duration for review/approval; key concern has been co-locating admin offices with explosive operating areas within the same footprint; changes needed for ATRP and fire protection. Slow contractor response to Government's 50% design comments.

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2015	Special Operations Command	Major Military Construction	North Carolina	79437	SOF Training Command Building	02/21/2017	02/11/2019	06/18/2021	53%	Delays to this project were caused due to discovery of design errors on the structural roof members during construction, that required demolition and rework. The contract was suspended to allow for redesign, pricing, and funds assurance for the contract modification. The redesign went through a third party review that added additional structural components and reinforcement of the installed structure.
2016	Air Force Active	Major Military Construction	Oklahoma	WWYK093003	AIR TRAFFIC CONTROL TOWER	05/17/2017	05/07/2019	10/15/2020	93%	Contract modifications delayed construction completion by over eight months while weather delays accounted for almost four more months. An ongoing issue with the design of the HVAC system has further delayed construction completion. Weekly project meetings and monthly executive meetings are being conducted with Contractor to identify concerns and obtain timely resolution. All stakeholders are engaged to provide support to Contractor and remove any road blocks that may adversely impact construction completion.

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2016	Air Force Active	Major Military Construction	Guam	AJY163004	APR - Dispersed Maintenance Spares and SE Storage Facility	08/31/2017	05/13/2019	10/30/2020	94%	The contracting office states they are facing extreme challenges negotiating pending contract modifications in a timely manner. Several construction workers reported positive COVID-19 test forcing a 14-day quarantine of construction workers resulting in a shortage of manpower on the construction site. The contractor has increased the work force and is working extended hours. The Air Force, NAVFAC Marianas and the contractor are actively partnering to reduce the potential for future schedule delays with an anticipated completion date of 30 Oct 20.

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2016	Air Force Active	Unspecified Minor Military Construction	Texas	FNWZ100071A	Military Working Dogs Facs - Multi	10/22/2018	10/22/2019	05/31/2021	48%	Contractor performance is substandard and the contractor has delayed work. Several letters have been written directing the Contractor to resume work by the Contracting Officer Representative and the Administrative Contracting Officer. The Contracting Officer has also written letters demanding the Contractor resume work. The Contracting Officer and USACE field team are working to get the contractor to correct deficient work and complete the project.
2016	Air Force Reserve	Unspecified Minor Military Construction	California	PDPG120514	Satellite Fire Station	09/14/2018	11/08/2019	12/03/2020	68%	During site prep, an 18" pipe for fire suppression was discovered; this pipe was not on any design drawings. To resolve this issue, the decision was shift the building foundation instead of relocating the pipe resulting in a delay of over 9 months. Additionally, rework of the stucco exterior resulted in a delay connecting the water lines; rescheduling of the water connection and approval by the water district add additional delays. USACE is working with the contractor to resolve performance issues and prevent additional delays.

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2016	Air Force Reserve	Major Military Construction	Georgia	FGWB009002	Fire Station	12/13/2017	06/06/2019	01/05/2021	78%	A combination of weather, soil remediation/removal and change orders (vehicle exhaust systems, fire rated door, wall supports, UPS system et. al.) has delayed construction by over 18 months. COVID-19 has also delayed construction completion though not substantially.
2016	Army Reserve	Major Military Construction	Virginia	77186	ECS Modified TEMF / Warehouse	08/01/2017	08/31/2019	10/28/2020	94%	Storm water permitting delayed contractor. Construction is complete but a contractor claim keeps the contract open.
2016	Army Reserve	Major Military Construction	Florida	85813	AR Center/ AS Facility	11/03/2017	10/04/2019	12/01/2020	80%	Contractor delays and change of site conditions have impacted the schedule.
2016	Defense Health Agency	Major Military Construction	Germany	77986	Dental/ Medical Clinic Addition	12/14/2016	06/04/2019	06/30/2021	83%	Contractor's poor performance (not enough workers on site) coupled with design challenges has lead to time extensions.
2016	DLA Defense Energy Support Center	Major Military Construction	Djibouti	DESC1701	Construct Fuel Storage Facilities, Camp Lemonnie, Djibouti, Horn-of-Africa	03/13/2017	01/07/2019	02/24/2021	95%	Delay due to Suspension of Work Order initiated by NAVFAC due to defective construction contract documents. COVID-19 brought the project to a halt and led the contractor return to their home country.

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2016	Marine Corps Active	Major Military Construction	North Carolina	M67001686	RADAR AIR TRAFFIC CONTROL FACILITY ADDITION	10/12/2016	04/06/2018	10/16/2020	92%	Design modifications to utilities and proper storm water permitting complicated construction. Unforeseen electrical & sewer modifications.
2016	Marine Corps Active	Major Military Construction	North Carolina	M67001729	OPERATIONAL TRAINER FACILITY	10/12/2016	04/06/2018	10/16/2020	95%	Design modifications to utilities and proper storm water permitting complicated construction.
2016	Marine Corps Active	Major Military Construction	North Carolina	M670011280	2ND RADIO BN COMPLEX PHASE 1	06/13/2017	06/24/2019	11/30/2020	99%	Planned follow on contract for area road reconfiguration and customer requested changes that could not be started until completion of this project and P1346 Simulator Integration/Range Control Facility.
2016	Marine Corps Active	Major Military Construction	Japan	M67400606	MILITARY WORKING DOG FACILITIES (CAMP HANSEN)	09/29/2016	03/26/2018	11/19/2021	98%	Delays due to unforeseen conditions encountered with underground concrete debris and utilities.
2016	Missile Defense Agency	Major Military Construction	Poland	640	Aegis Ashore Missile Defense System Complex	03/14/2016	05/30/2018	01/07/2022	91%	Reason for schedule delay is continued contractor poor performance and contractor's claims of impact due to the COVID-19 pandemic. USACE is considering the incremental release of retained funds for completion of critical work and to promote stabilization of Contractor schedule around critical activities. Revised construction completion date is 20 May 2022 and project is 92% complete.

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2016	Navy Active	Major Military Construction	Nevada	N60495111	NAVOPSPTCEN FALLON	08/31/2017	03/11/2019	10/01/2020	74%	Delays due to multiple design changes at 50% design level. Team is working towards submission of final documents and closeout.
2016	Navy Active	Major Military Construction	Virginia	N62688610	ELECTRICAL REPAIRS TO PIERS 2,6,7, AND 11	09/14/2017	10/25/2019	12/10/2020	94%	Unforeseen electrical system modifications due to damaged conduit & criteria changes requiring modifications to the existing systems.
2016	Navy Active	Major Military Construction	Hawaii	N62813036	WELDING SCHOOL SHOP CONSOLIDATION	02/09/2016	03/26/2018	12/18/2020	96%	Delays due to additional base/site security requirements, unforeseen structural steel repairs, and COVID-19 impacts to material deliveries. Team is working towards submission of final documents and closeout.
2016	Navy Active	Major Military Construction	Washington	N68436431	DRY DOCK 6 MODERNIZATION & UTILITY IMPROVE.	08/25/2016	11/14/2017	01/15/2021	93%	Delays due to temporary suspension of work required by Government to allow for emergent repairs to one of the ships; was deemed as a higher priority to support ongoing mission needs.
2016	Navy Active	Major Military Construction	Washington	N68436401	REGIONAL SHIP MAINTENANCE SUPPORT FACILITY	10/10/2017	01/04/2020	03/23/2021	88%	Delays due to inadequate communications line capacity at tie in point. Mod require to install new fiber from a different point of connection.
2016	Navy Active	Major Military Construction	Italy	N62995407	TRITON HANGAR AND OPERATION FACILITY	12/06/2016	06/28/2018	06/30/2021	67%	Project is behind due to design changes post award, COVID delays, weather and airfield operations delays.

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2016	Navy Active	Major Military Construction	Italy	N62995655	P-8A HANGAR AND FLEET SUPPORT FACILITY	12/06/2016	04/23/2019	06/30/2021	67%	Project is behind due to design, COVID delays, weather and airfield operations delays.
2016	Navy Active	Major Military Construction	Guam	N61755535	SANITARY SEWER SYSTEM RECAPITALIZATION	09/04/2017	01/03/2020	07/05/2021	78%	Delays due to the need for Contractor to meet (Munitions Explosives of Concern) requirements as identified by the Government post award.
2016	Navy Active	Major Military Construction	Guam	N41557635	MUNICIPAL SOLID WASTE LANDFILL CLOSURE	08/15/2017	02/22/2019	07/29/2021	73%	Delays due to poor contractor performance, COVID travel constraints and differing site conditions.
2017	Air Force Active	Unspecified Minor Military Construction	Jordan	ASVF164000	DINING FACILITY	09/11/2018	12/17/2018	11/20/2020	91%	Delays have been caused by RED HORSE teams transitioning in and out of the installation. Delays were exacerbated due to COVID-19 travel restrictions.

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2017	Air Force Active	Major Military Construction	Florida	FTFA033003	Flightline Fire Station	01/29/2018	07/23/2019	12/11/2020	91%	The majority of the delay, 327 days, is associated with design issues relating to the trench drains and fall protection for the bays. These issues impacted the foundation work requiring a large redesign effort prior the start of vertical construction. The remaining delays are due to a combination of weather, minor construction changes, and poor performance by the contractor. To address the poor performance of the contract, the United States Army Corps of Engineers (USACE) issued an interim unsatisfactory performance evaluation and increased government oversight on the project.
2017	Air Force Active	Major Military Construction	Oklahoma	AGGN173001	KC-46A FTU FTC SIMULATOR FACILITY PHASE 2	09/07/2017	03/01/2019	12/14/2020	98%	Multiple issues caused by the contractor has delayed the overall schedule of the construction. The contractor is still working on the computer room floor and HVAC systems. Additionally, the contractor is working on Open Punch list items.

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2017	Air Force Active	Major Military Construction	Australia	PAF150400	APR EXPAND AIRCRAFT PARKING APRON	08/01/2018	10/15/2019	12/30/2020	90%	Significant delays occurred as a result of changes to Australian PFAS regulations prior to construction start. These changes required all spoils to be stockpiled on base; no soil or debris could be disposed of off base. Stockpile siting, designs and environmental management plans had to be developed and approved before sub-base excavation could begin. All work is substantially complete with construction completion expected December 2020.
2017	Air Force Active	Major Military Construction	Florida	SXHT013001	FIRE/CRASH RESCUE STATION	07/26/2017	03/12/2019	12/30/2020	96%	Roof leaks have been persistent since last year. The Contracting Officer has issued letters directing the contractor to provide new roofing for the facility. Additionally there are outstanding issues being addressed by the Contracting Officer. The Contracting Officer has issued an interim unsatisfactory evaluation and will continue to address unsatisfactory contractor performance through construction completion.

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2017	Air Force Active	Major Military Construction	Djibouti	CADJ170001	Construct Chabelley Access Road	08/05/2018	11/10/2019	02/28/2021	45%	Poor project management and lack of quality control resulted in substantial rework significantly delayed project completion. Emergent AFAFRICA requirements, unanticipated local Government of Djibouti requirements and unforeseen site conditions further delayed project completion. Also, COVID-19 resulted in additional delays in the contractor's ability to procure critical construction equipment, materiel, and key equipment operators.
2017	Air Force Active	Major Military Construction	Djibouti	CADJ170002	Construct Parking Apron and Taxiway	08/05/2018	11/10/2019	02/28/2021	45%	Poor project management and lack of quality control resulted in substantial rework significantly delayed project completion. Emergent AFAFRICA requirements, unanticipated local Government of Djibouti requirements and unforeseen site conditions further delayed project completion. Also, COVID-19 resulted in additional delays in the contractor's ability to procure critical construction equipment, materiel, and key equipment operators.

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2017	Air Force Active	Major Military Construction	Romania	LRCT150008	ERI: CONSTRUCT MUNITIONS STORAGE AREA	01/17/2018	03/12/2020	03/12/2021	5%	Weather delays and restrictions of movement due to COVID-19 slowed construction. The Contractor has developed a plan to mitigate by shortening durations in the schedule where possible now that COVID-19 related restrictions have been lifted.
2017	Air Force Active	Major Military Construction	Romania	LRCT150010	ERI: CONSTRUCT SQUADRON OPERATIONS FACILITY	01/17/2018	03/12/2020	05/21/2021	10%	Weather delays and restrictions of movement due to COVID-19 slowed construction. The Contractor has developed a plan to mitigate by shortening durations in the schedule where possible now that COVID-19 related restrictions have been lifted.
2017	Air Force Active	Major Military Construction	Alaska	DXEB053005	FIRE STATION	05/04/2018	07/06/2020	07/31/2021	95%	Clear AFS was shut down from 26 March through 18 May 2020 due to COVID-19. Due to weather constraints, demolition of the existing fire station has been pushed to the spring of 2021 with construction completion in the summer of 2021.
2017	Air Force Reserve	Major Military Construction	North Carolina	VKAG159021	KC-46A Construct Two Bay Corrosion/Fuel Cell Hangar	09/27/2017	12/18/2019	05/15/2021	87%	Design changes (floor coating, admin/shop floor plan, fuel bay, contractions joints, and wall infill) delayed the project by over 15 months. The addition of a bird netting resulted in an additional four month delay.

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2017	Air National Guard	Major Military Construction	Texas	FWJH099082	Consolidate Crew Readiness Facility, Building 1397	10/16/2018	10/16/2019	12/01/2020	90%	Substandard contractor performance resulted in significant schedule delays and multiple disputes.
2017	Army Active	Major Military Construction	Utah	77538	Live Fire Exercise Shoothouse	08/31/2018	02/22/2020	01/23/2022	30%	Delay caused by design errors that were not initially identified caused delay of project completion.
2017	Army Active	Major Military Construction	Germany	62380	Training Support Center	03/19/2018	03/22/2021	05/28/2022	18%	Project awarded through German Bauamt. Award-To-Industry was delayed due to environmental issues. Weather and COVID site restrictions have also contributed to delays.
2017	Army Reserve	Unspecified Minor Military Construction	Puerto Rico	88722	Fire Station	05/19/2017	07/13/2018	10/23/2020	82%	Project delayed due to adverse weather (hurricane) and poor contractor performance.
2017	Army Reserve	Unspecified Minor Military Construction	California	74732	Family Life Center (Chapel annex)	01/09/2018	06/13/2019	12/31/2020	94%	Poor contractor performance led to construction delays.
2017	Defense Health Agency	Major Military Construction	Maryland	80906	Medical Center Add/Alt, Inc 1	12/22/2017	05/10/2019	12/08/2020	95%	This is an incrementally funded project. Unforeseen site condition has delayed the progress of this project.
2017	Marine Corps Active	Major Military Construction	South Carolina	M60169464	AIRCRAFT MAINTENANCE HANGAR	07/13/2017	07/13/2020	08/28/2021	67%	Unforeseen and criteria changes for aircraft cooling units and preconditioned air. Customer requested additional sunshades. Contractor delays due to skilled trades, COVID, and secure site access.

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2017	Missile Defense Agency	Major Military Construction	Alaska	653	MDC Switchgear Facility	08/31/2017	08/14/2019	07/06/2021	92%	Reason for schedule delay is contractor poor performance with submittals, fire alarm integration delays due to site considerations and COVID-19 impacts to on-site integration activities.
2017	Navy Active	Major Military Construction	California	N00246991	COASTAL CAMPUS UTILITIES INFRASTRUCTURE	04/13/2017	04/23/2019	11/30/2020	99%	Delays due to unforeseen utilities encountered and additional coordination required with adjacent projects at Coastal Campus.
2017	Navy Active	Major Military Construction	Italy	N62995737	UPGRADE ENTRY CONTROL POINT	03/14/2017	08/22/2018	05/03/2021	96%	Awaiting installation of communication systems through N6 department. N6 contractors have been delayed further due to costs not included in previous contract. Awaiting updates from N6 on new timeline. Potential to push completion into July/August.
2017	Navy Active	Major Military Construction	Guam	N61755652	HARDENING OF GUAM POL INFRASTRUCTURE	06/06/2018	04/03/2020	06/30/2021	58%	Delays due to unforeseen conditions encountered (Munitions and Explosives of Concern).

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2017	Navy Active	Major Military Construction	Maryland	N61151190	ADVANCED ENERGETICS RESEARCH LAB COMPLEX PH 2	05/11/2017	09/06/2019	12/01/2023	4%	Challenging and complex blast design, with associated EXWC and NOSSA design reviews, and pending DDESB duration for review/approval; key concern has been co-locating admin offices with explosive operating areas within the same footprint; changes needed for ATPF and fire protection. Slow contractor response to Government's 50% design comments.
2018	Air Force Active	Major Military Construction	Iceland	BIKF180001	ERI: AIRFIELD REPAIRS AND UPGRADES	08/12/2019	04/15/2020	08/27/2021	74%	Restrictions of movement due to COVID-19 slowed construction and halted progress. The contractor has developed a plan to mitigate the impact of these delays by shortening durations in the schedule where possible now that COVID-19 related restrictions have been lifted.

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2018	Air Force Active	Major Military Construction	New Jersey	PTFL163006	KC-46A ADAL B3209 FOR FUSELAGE TRAINER	11/05/2018	11/09/2019	08/30/2021	99%	Work is substantially complete; contracted work cannot be completed until the fuselage trainer arrives and is installed. A walkthrough has been conducted and punch list items identified for correction prior to arrival of the fuselage trainer. The United States Army Corps of Engineers (USACE) extended the contract until delivery of the fuselage trainer projected for delivery July of 2021.
2018	Air Force Reserve	Unspecified Minor Military Construction	Texas	DDPM130007	Munitions Training/Admin Facility	12/12/2018	10/31/2019	10/31/2020	85%	The contractor had two additional major construction projects on Naval Air Station (NAS) Joint Reserve Base (JRB) Forth Worth and starting falling behind on one of the other projects. The general contract did not have sufficient labor pool to work all three projects at the same time and shifted the work force to the project that was behind schedule. This happened before COVID 19 and the work was able to catch up with the schedule.
2018	Army Active	Major Military Construction	Arizona	77102	General Instruction Building	12/13/2018	06/05/2020	06/21/2021	74%	Long lead time for AV equipment extended the completion schedule.

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2018	Army Active	Unspecified Minor Military Construction	Romania	91732	Power Substation/Switching Station Bldg	10/30/2018	10/24/2020	10/30/2021	40%	Electrical stability and power capacity/distribution design issues caused execution delays.
2018	Army Active	Major Military Construction	Turkey	86832	Forward Operating Site	10/02/2018	03/25/2022	04/29/2024	16%	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	Defense Health Agency	Major Military Construction	Colorado	77987	Medical/Dental Clinic Addition/Alteration	10/23/2018	06/17/2021	07/14/2022	29%	Contractor has failed to provide sufficient manpower to maintain the schedule.
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	75%	Delays due to a differing site conditions requiring a piping routing modification.
2018	Marine Corps Active	Unspecified Minor Military Construction	North Carolina	M670011498	WC504 MECHANICAL SYSTEM REPLACEMENT	11/28/2018	11/09/2019	02/26/2021	85%	Unforeseen underground utilities and additional mechanical equipment changes.
2018	Marine Corps Active	Unspecified Minor Military Construction	North Carolina	M670011503	WC500 MECHANICAL SYSTEM REPLACEMENT	11/28/2018	11/09/2019	02/26/2021	41%	Unforeseen underground utilities and additional mechanical equipment changes.
2018	Marine Corps Active	Major Military Construction	California	M006811310	AMMUNITION SUPPLY POINT UPGRADE	10/11/2018	10/10/2020	11/30/2021	30%	Delays are mainly due to contractor's inefficiencies, contract disputes on long lead switchgear, COVID-19, and munitions of explosives of concern.

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2018	Marine Corps Active	Major Military Construction	Virginia	M00264542	TBS FIRE STATION BUILDING 533 REPLACEMENT	06/13/2019	10/30/2020	01/08/2022	11%	Construction issues: 1) relocation of an existing 400 pair copper cable by Verizon, 2) construction of the traffic circle on hold because a) an investigation for possible Endangered Species (pogonia) needs to be conducted, and b) design plans need to include RCRA requirements because there is a Large Quantity Generator (Central Accumulation Area bldg) storing hazardous waste prior to shipment that will be impacted. Both issues may result in a redesign of the traffic circle /intersection. Delay in completion of Fire Station design delayed start of construction.
2018	Navy Active	Unspecified Minor Military Construction	Guam	N61755680	HARDEN ELECTRICAL CIRCUIT	10/12/2018	09/27/2019	10/30/2020	79%	Delays due to unforeseen conditions encountered (contaminated soil) and mod to relocate overhead power lines to underground power lines.
2018	Navy Active	Major Military Construction	California	N00246988	UNDERSEA RESCUE COMMAND OPERATIONS BUILDING	09/13/2018	03/22/2021	03/22/2022	47%	Unforeseen site conditions (electrical, water, utilities) and time impacts due to extended crane design review
2018	Navy Active	Major Military Construction	Virginia	N62688495	CHAMBERS FIELD MAGAZINE RECAP PH 1	10/12/2018	02/04/2021	08/01/2022	15%	Explosive ordnance permitting timelines and relocation of magazines took longer then planned.

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2018	Navy Active	Major Military Construction	Florida	N60201421	MISSILE MAGAZINES	08/17/2018	08/04/2020	03/22/2023	9%	All delays to date were incurred during design phase or prior to mobilization. Design changes to reposition the magazines were required, due to operational need to increase the staging and loading/unloading area in front of the magazines, while avoiding environmental impact to adjacent wetlands. This resulted in delayed NOSSA/DDESB and final design approvals. Mobilization to the site was delayed by a separate project to repair a culvert that is part of the road that provides contractor access to the project site.
2018	Navy Reserve	Major Military Construction	Georgia	N42237642	NAVY OPERATIONAL SUPPORT CENTER FORT GORDON	09/26/2018	01/06/2020	04/13/2021	59%	Delays primarily due to significant number of contract modifications, request for equitable adjustments resulting from design error and omissions. Majority related to civil site and utilities corrections as well as 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.
2019	DLA Defense Energy Support Center	Major Military Construction	Virginia	DESC1914	Replace Ground Vehicle Fuel Facility, Joint Base Langley-Eustis	06/17/2019	12/31/2020	08/30/2021	40%	Project encountered weather delays and unforeseen site conditions.

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2019	Navy Active	Major Military Construction	California	N61065224	CAUSEWAY, BOAT CHANNEL & TURNING BASIN	07/29/2019	10/27/2022	03/18/2024	34%	Contract extended to pick up adjacent project (FY20 P226) as an option to the P224 contract.
2020	Navy Active	Military Family Housing Improvement	Japan	N610542003	WHOLE HOUSE REVITALIZATION, IKEGO TOWNHOUSE, PH1	05/13/2020	02/21/2021	02/21/2022	1%	Delays due to COVID 19 impacts and Government of Japan State of Emergency Requirements.