



ACQUISITION
AND SUSTAINMENT

THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3500

The Honorable James M. Inhofe
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 2019. It is late due to delays in collecting data.

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

Sincerely,

Ellen M. Lord

Enclosure:
As stated

cc:
The Honorable Jack Reed
Ranking Member



THE UNDER SECRETARY OF DEFENSE

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AND SUSTAINMENT

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

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cc:
The Honorable William M. "Mac" Thornberry
Ranking Member

REPORT TO CONGRESS

ON

**FY 2019 ANNUAL REPORT OF MILITARY CONSTRUCTION
AND MILITARY FAMILY HOUSING SCHEDULE DELAYS**



**Office of the Under Secretary of Defense,
Acquisition and Sustainment
3010 Defense Pentagon
Washington, DC 20301-3010**

September 2020

The estimated cost of this report or study for the Department of Defense is approximately \$34,000 for the 2020 Fiscal Year. This includes \$500 in expenses and \$33,000 in DoD labor.

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REPORT TO CONGRESS

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FY 2019 ANNUAL REPORT OF MILITARY CONSTRUCTION AND MILITARY FAMILY HOUSING SCHEDULE DELAYS

Introduction

This report responds to section 2851 (d) of title 10, U.S.C., as amended by section 2822 of the National Defense Authorization Act for Fiscal Year (FY) 2018, (Public Law 115-91), that requires the Secretary of Defense to provide annual reports on military construction (MilCon) and military family housing projects that are more than one year later than the estimated completion date at the time of award.

The Department of Defense (DoD) components reviewed the reasons for the schedule delays. Based on their input, analysis indicates that project delays fell into eight general categories: poor initial planning, unforeseen site conditions, contractor delay/poor performance, changing mission requirements, project oversight, environmental issues, weather delays, and other factors. Several projects were delayed for more than one reason. The top three contributors to project delays are contractor delays/poor performance (24 percent), poor initial planning (22 percent), and unforeseen site conditions (17 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 project completion dates are based on the primary construction contract and do not account for any pending changes associated with time. Thirty-nine percent of the projects are at least ninety-five percent complete and undergoing final commissioning processes and procedures. Several projects that are ninety-nine or one-hundred percent complete appear in the report because of construction deficiencies that are being resolved or they are in the process of financial closeout. A list of the delayed MilCon projects as of the end of FY 2019 follows.

10 USC 2851(d)

FY2019 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 63418 63419 63420 65324 71101 78210 78211	USAMRIID Replacement, Increment 1 - 8	07/15/2008	05/06/2011	02/18/2020	98%	Schedule delay for all increments can be attributed Agency Construction 63418 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.
2009	Defense Health Agency	Major Military Construction	Maryland	65731 67180 67181 67182	USAMRICD Replacement, Increment 1-4	08/19/2010	06/10/2015	12/31/2019	99%	Initial delays were caused by the Site work contractor being terminated for default, litigation was pending; Fume hoods failed pressure certification testing and associated duct work failed noise level testing requiring re-work. Litigation was pending preventing financial closeout.

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2010	Defense Health Agency	Major Military Construction	Texas	72481 76557 72786 76558 77293 81407 81408 91301	Fort Bliss Hospital Repl, Increment 1	09/04/2012	11/26/2016	11/15/2019	91%	Multiple technical design issues were discovered during construction and a challenging contractor/government working relationships led to delayed resolutions and difficult negotiations of the design issues. Initial delays included bankruptcy of the pier/foundation subcontractor after partial completion of the work, unacceptable steel erection and an on-site contractor fatality. Additional project scope for access control points to be awarded in the future. Financial close out will be delayed until all contractor claims are resolved.
2011	Army Active	Major Military Construction	Germany	68866	Sensitive Compartmented Information Facility	02/13/2013	09/19/2015	10/31/2019	100%	Contractor inefficiency and rework of deficiencies have caused delays throughout the period of performance. In 2018 the contractor was rated Unsatisfactory in multiple CPARS categories. At the start of construction, remediation of contaminated soil and implementation of additional ODNI SCIF security requirements, also caused delays. Correction of deficiencies discovered during commissioning impacted completion date.
2011	Army Active	Major Military Construction	New York	59044	Science Facility, Phase 2	11/17/2011	01/29/2016	10/31/2019	94%	Ongoing Modification Work to complete HVAC System

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2011	Army Active	Major Military Construction	California	53789	Advanced Individual Training Barracks	10/22/2013	06/15/2018	09/07/2020	97%	Delays are attributed to a number of issues with the contractor's performance, including challenges to subcontractors, out of sequence work, poor schedule management and lack of sufficient resources late in the project to the do work.
2012	Air Force Active	Major Military Construction	Italy	HACC123204	UAS SATCOM Relay Pads and Facility	10/04/2016	02/21/2017	10/21/2019	90%	Construction is delayed and unfunded change order is in negotiations. A number of reasons for delay: Significant rain delays and 2 significant site flooding events. Also delayed by a large modification to incorporate lessons learned from previous projects. FPE discrepancies identified and being repaired.
2012	Air Force Active	Major Military Construction	Germany	TYFR063017	DORMITORY (192 RM)	07/28/2015	03/10/2015	12/01/2020	71%	Contract modification to move personnel.
2012	Army Active	Major Military Construction	Virginia	71149	Road and Infrastructure Improvements	08/17/2016	08/17/2018	11/01/2019	81%	Delay due to additional mandatory changes some of which were weather dependent (e.g. turf/seeding). Current construction completion estimated mid Jul 20.

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2012	Defense Health Agency	Major Military Construction	Germany	76007 72661 72662 76872 81410 81412 14043 90921	Medical Center Replacement, Increment 1 - 8	06/15/2016	12/15/2016	12/30/2025	15%	The medical center design deliverable has been delayed due to deficient and incomplete design submittals for the Meden and Central Utility Plants. The German Government is negotiating with the designer to ensure the design deliverable is complete. The project also experienced significant delays in its earlier stages due to Congressional-mandated re-scoping, and additional German Gov't environmental compliance reviews and requirement for full and open public review that impacted start of sitework and AE selection.
2012	Defense Health Agency	Major Military Construction	Maryland	77154 81291	Ambulatory Care Center, Increment 1 - 2	03/01/2013	12/06/2016	07/30/2020	98%	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	02/20/2015	04/16/2017	06/30/2021	80%	Changes to procedures for clearing Munitions of Explosive Concern and H2B worker visas challenges created a shortage of skilled workers. Project is making good progress.
2013	Army Reserve	Major Military Construction	Maryland	67705	Army Reserve Center	10/08/2015	09/07/2017	10/23/2019	90%	A reduced scope contract was awarded within PA. Upon ATR approval, additional funds were provided and contract bid options were awarded to obtain full scope. The project was a design build and late option awards extended the contract duration. This combined with local/state site permitting significantly extended the contract completion. Site required surcharging for the foundation construction.
2013	Defense Health Agency	Major Military Construction	Korea, South	72419	Hospital Addition/Alteration	09/26/2013	08/08/2017	06/30/2020	98%	Construction Complete and Financial Closeout delayed pending descope of MARF building. MARF (B752) demolition was scheduled for mid-September 2019. However, the user has expressed strong interest to continue using the building due to increased mission. USACE has suspended the contract on a monthly basis. The MFR for the MARF has been signed by the Wing. Now Base CE is waiting for CPTS to finish up the economic analysis. Once the economic analysis is complete the package will be submitted for final approval.

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2013	DoD Education Activity	Major Military Construction	Japan	PA00033	Replace Bob Hope & Amelia Earhart Elementary School	07/07/2014	10/24/2016	01/03/2020	99%	Construction complete: School opened in 2018. There were 442 days of time extension associated with contract changes pertaining to various Mechanical/ Electrical/ Plumbing systems and equipment in addition to structural changes as a result of a variance in pile length. Ongoing issues with playground drainage extended the contract completion date, but these issues have been resolved.
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	08/26/2020	43%	There have been significant delays due to the release of Asbestos Containing Materials (ACM) into the HVAC system of an unoccupied building under renovation. Subsequent ACM abatement and replacement of HVAC system is complete.
2014	Air Force Active	Major Military Construction	Guam	AJY143760	Hardened Structures For POL Fuel Systems	10/07/2014	06/28/2016	09/29/2020	95%	Changes to procedures for clearing Munitions of Explosive Concern and H2B worker visas challenges created a shortage of skilled workers. Project is making good progress.

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2014	Air Force Active	Major Military Construction	Maryland	PAYZ130011	U.S. Cyber Command Joint Operations Center	07/07/2014	04/13/2017	12/26/2019	99%	There were multiple contracts awarded under the JOC project. All the contracts under the JOC project are 100% complete except for one. On the 3rd increment, P2 No. 443672, there is a contract Vehicle Control Point M (now called VCP 8) that is 86% complete and more than two years behind schedule due to contractor inefficiency. The VCP 8 ELT met yesterday and the current schedule shows, at best, the contract will be completed by December 2019.
2014	Air Force Active	Major Military Construction	Guam	AJJY133027	Guam Strike Tanker Gp Maint Hangar/Amu/Sqd Ops (Increment 1)	01/22/2015	03/08/2017	07/31/2021	82%	Changes to procedures for clearing Munitions of Explosive Concern and H2B worker visas challenges created a shortage of skilled workers. Project is making good progress.
2014	Army Active	Major Military Construction	Washington	76776	Airfield Operations Complex	05/18/2015	04/21/2018	11/29/2019	98%	Delay associated with multiple User change requests. The original contract included 4 facilities.
2014	Army Active	Major Military Construction	Maryland	62204	Hazardous Material Storage Building	02/23/2016	08/16/2017	12/30/2019	96%	Delay in state environmental permit and differing site conditions (unforeseen rock) during construction. More inclement weather than scheduled. Additional delay due to commissioning of new building. C Demolition could not start until tenants in Bldg. 262 moved into the new building.

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2014	Army Active	Major Military Construction	Hawaii	67157	Command and Control Facility - Admin	09/25/2015	12/13/2017	10/21/2019	94%	Schedule delays were due to various last minute changes including changes to the SWA (SCIF area), door hardware, security door issues, lighting fixtures. Changes with the User installed equipment also required removal and rework for the contractor.
2014	Defense Health Agency	Major Military Construction	Maryland	77000	Public Health Command Laboratory Replacement	09/08/2015	02/19/2019	09/01/2020	89%	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	14DISA01	DISA Pacific Facility Upgrade	01/11/2018	12/31/2018	08/30/2020	15%	Project started then put on hold. Miscalculation of asbestos to be removed and need for additional funding.
2014	Navy Active	Unspecified Minor Military Construction	Hawaii	N62813058	ROCKFALL PROTECTION AT RED HILL	12/08/2014	05/18/2016	12/31/2019	55%	Delays attributed to late issuance for contractor site access and discovery of bones. Current Construction Completion Date is based on Financial % Complete.
2014	Special Operations Command	Major Military Construction	California	P-771	SOF Desert Training Facility	09/30/2018	02/02/2020	03/15/2021	20%	Found UXO on site. Took time to clear site of UXO.
2015	Air Force Active	Major Military Construction	Texas	MPLS3274JB	FIRE STATION	07/08/2015	07/27/2016	08/25/2020	65%	Termination for default. Start date is the restart date.
2015	Air Force Active	Major Military Construction	Lithuania	PAYZ15001B	ERI: Improve Airfield Infrastructure	01/12/2017	07/06/2018	08/10/2020	89%	Construction has been delayed due to a modification. Cargo marshalling yard had to be relocated due to a human remains being located on site.

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2015	Air Force Active	Major Military Construction	Oklahoma	WWYK153005	KC-46A TWO-BAY DEPOT MAINTENANCE HANGAR	07/10/2017	04/30/2019	10/30/2020	95%	The contractor is replacing failed concrete slab and modification for weather delays.
2015	Air Force Active	Major Military Construction	Latvia	PAYZ15001C	ERI: Improve Airfield Infrastructure	01/12/2017	07/06/2018	12/25/2020	65%	Contractor terminated for default requires follow-on acquisition
2015	Air Force Active	Major Military Construction	Guam	AJJY133028	PAR Low Observable/Corrosion Control/Composite Repair Shop	10/30/2016	09/20/2018	11/30/2021	45%	Changes to procedures for clearing Munitions of Explosive Concern and H2B worker visas challenges created a shortage of skilled workers. Project is making good progress.
2015	Air Force Active	Unspecified Minor Military Construction	Italy	ASHE143006	MILITARY WORKING DOG (MWD) KENNEL COMPLEX	08/01/2017	01/25/2019	11/30/2020	39%	Modification due to a poor design, redesign had to be accomplished.
2015	Air National Guard	Major Military Construction	New Hampshire	SZCQ139901	KC-46A ADAL Fuel Cell Building 253	08/18/2015	11/19/2016	10/30/2019	86%	Project started in Jul 15. Around Jan 16 the contractor was significantly behind schedule with multiple issues of workmanship. In may 2016 the Contracting started actions to terminate. Project received a termination for default around Jan 2017. It took over a year for the surety to take over the project and start work again in March 2018. The surety has had significant issues in validating that previous work was acceptable standards for construction. There was also conflict in some of the drawings that had to be corrected.

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2015	Air National Guard	Major Military Construction	New Hampshire	SZCQ139904	KC-46A ADAL Maint Hangar Building 254	08/18/2015	11/18/2016	04/09/2021	8%	The project is on the same contract as SZCQ139901 and the contract stated that the hangar bay must be usable before they could start in the second hangar. So with a T4D on the contract both project had a significant delay. Up until Oct 19 this project remained less than 12% construction complete. There was some minimal shop work that could be completed without effecting the main bay. This project is currently 51% complete and is estimated to accept beneficial occupancy around Feb 21.
2015	Army Active	Major Military Construction	Colorado	77305	Aircraft Maintenance Hangar	06/16/2015	06/02/2019	11/30/2020	60%	Delays are attributed to a number of issues with the contractor's performance, including challenges to subcontractors, out of sequence work, poor schedule management and lack of sufficient resources late in the project to the do work.
2015	Army National Guard	Major Military Construction	Maine	230113	National Guard Reserve Center	08/20/2015	08/03/2017	08/21/2020	98%	Schedule delays due to contractor having building controls installation and programming issues, additional time for system commissioning is required. Remove and replace paved parking with grass area and change approximately 280' of standard chain-linked fence with American Impasse iron fence to match existing fence at Camp Keyes.

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2015	Army Reserve	Major Military Construction	New Jersey	77151	Army Reserve Center	10/13/2016	09/13/2018	07/03/2020	99%	Contractor performance has been contributing factor as well unforeseen differing site conditions.
2015	Army Reserve	Major Military Construction	California	71901	Army Reserve Center/AMSA	03/02/2016	02/20/2018	06/12/2020	94%	A reduced scope contract was awarded within PA. Upon ATR approval, additional funds were provided and contract bid options were awarded to obtain full scope. The project was a design build and late option awards extended the contract duration and completion. Contractor performance was a contributing factor.
2015	Defense Information Systems Agency	Major Military Construction	Australia	15DISA02	Combined Communications Gateway Geraldton (DoD Teleport Geraldton)	10/01/2018	03/31/2019	03/31/2020	100%	Delay due late delivery of GFE, i.e., UPS. Additional funding required for fire suppression system and additional trenching.
2015	DLA Defense Distribution Center	Major Military Construction	South Carolina	DESC1606	Replace Fuel Distribution Facilities - MCAS Beaufort	12/16/2015	11/05/2017	12/22/2019	96%	Project scope included work at Tank Farms (TF) A, B & C. Bids were \$10M over PA. Solicitation package restructured for work at TF B&C as their condition was most deteriorated. Award complete 4.5 months later than planned and completed by June, 2018. Work at TF A awarded April, 2018 after design modification & repackaging, contracting Justification and Approval (J&A) required, 2853 Notification, and reprogramming. TF A placed in service 1 Nov 2019.

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2015	DoD Education Activity	Major Military Construction	United States	AM00103	Consolidate/Replace W.T. Sampson Elementary School	07/01/2016	11/26/2018	06/11/2020	75%	There have been delays due to weather, differing site conditions, design errors, entry clearance processing, availability of materials and sub-contractors.
2015	Marine Corps Active	Major Military Construction	Virginia	M00264635	AMMUNITION SUPPLY POINT EXPANSION	11/30/2016	03/25/2018	02/28/2020	98%	Elevator design changes; SIPR communications equipment required relocation; additional piles required; unforeseen unsuitable soil required removal and disposal; electrical distribution changes were required. 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.
2015	Navy Active	Major Military Construction	Maryland	N61151287	MISSILE SUPPORT FACILITY	09/16/2015	07/17/2017	10/31/2019	99%	More time than planned was needed to move occupants out of existing facility to be demolished. Unforeseen contaminated soil and additional asbestos was discovered which required removal and proper disposal. Fire protection system design changes were made late in project and caused delays. Current Construction Completion Date is based on Financial % Complete.
2015	Navy Active	Major Military Construction	Nevada	N60495430	FACILITY ALTERATION FOR F-35 TRAINING MISSION	10/13/2016	11/23/2017	10/07/2019	98%	Delays due to availability of an electrical power source. Current Construction Completion Date is based on Financial % Complete.

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2015	Navy Active	Major Military Construction	Spain	N62863712	SHIP BERTHING POWER UPGRADES	12/04/2015	05/23/2018	02/24/2020	90%	Delays due to design errors and omissions. Current Construction Completion Date is based on Financial % Complete.
2015	Navy Active	Unspecified Minor Military Construction	California	N63042377	CARRIER AIR WING FOURTEEN (CVW-14) FACILITY	03/11/2016	05/26/2016	05/21/2020	100%	Delayed due to design change for network drops and SIPR room. Current Construction Completion Date is based on Financial % Complete.
2015	Navy Active	Major Military Construction	Pennsylvania	N32414547	OHIO REPLACEMENT POWER & PROPULSION FACILITY	06/01/2015	11/23/2016	09/30/2021	75%	Reprogramming required before project award. Post-award delays for PCAS contract award and electrical service provider contract award. Unforeseen conditions found in ground and waterway requiring redesign for pile support. Utility bus duct problems discovered during construction required repairs. Redesign of slab and cofferdam/keywall caused delays. Numerous electrical repairs were required. Fire protection system for existing facility had to be added to scope of work; requires separate contract. Changes had to be made to the fence layout and security access. Delays receiving Philadelphia gas and water permits. A second reprogramming was required after construction contract was made. Current Construction Completion Date is based on Financial % Complete.

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2015	Navy Active	Major Military Construction	Maryland	N61151190	ADVANCED ENERGETICS RESEARCH LAB COMPLEX, PHASE 2	05/11/2017	09/06/2019	02/11/2021	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 ATPF and fire protection. Slow contractor response to Government's 50% design comments. Current Construction Completion Date is based on Financial % Complete.
2015	Navy Active	Major Military Construction	Nevada	N60495420	AIR WING TRAINING FACILITY	09/30/2015	11/24/2017	10/31/2019	95%	Construction start was delayed due to late receipt of sufficient contractor submittals regarding the SCIF design. Design modifications had to be made for rerouting cables, power & data locations, HVAC redesign, cable trays, telecom network. Delays were attributed to electronic security system design changes, communication lines relocation, and the need for additional fiber optic cable. Delays were caused by having to bring many of the subcontractors back to the site for work follow-up actions. Current Construction Completion Date is based on Financial % Complete.
2016	Air Force Active	Major Military Construction	Florida	DBEH063000	Range Communications Facility	08/30/2016	06/20/2018	11/06/2019	99%	Contractor inefficiency and management.

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2016	Air National Guard	Major Military Construction	New Hampshire	SZCQ139903	KC-46A Add/Alter Flight Simulator Bldg 156	05/06/2016	07/31/2017	12/31/2019	98%	This project started Dec 2016. It was on schedule until around May 2017. The same contractor was completing the work as SZCQ139901 and SZCQ139904 and once the termination for default started on those two projects all work came to a halt on this one. A termination for convenience was completed and another contractor was hired to complete the remaining work. In April of 2019 an additional settlement was paid to the original contractor. In march of 2020 all contracts have been paid in full and the project is in the process of being closed.
2016	Army Active	Unspecified Minor Military Construction	Marshall Islands	86914	Storage Fuel Tank Repair	10/11/2017	12/12/2018	06/19/2020	19%	Project NTP was given on 20 Sept 2017, but work could not start until the fuel spill remediation was competed on the FY13 fuel tank (Nov 2018). Contractor resumed work in Nov 2018.
2016	Army Active	Major Military Construction	Alaska	75966	Physical Readiness Training Facility	07/28/2016	12/10/2017	11/28/2019	99%	There has been a delay in closing out MIPR to the Defense Logistics Agency for the Privatized Utilities contract.
2016	Army Active	Major Military Construction	Germany	86824	Vehicle Maintenance Shop	06/17/2019	03/13/2022	08/24/2025	2%	Original delay in design due to lack of FY17 Army P&D funds. Project awarded through the German Bauamt. Part 1A (Site Prep) - 100% Complete; Part 1B (Long Dist Heating Lines) - 95% Complete; Part 1C (Bldg) - Not Awarded; Government awaiting resolution on Sprinkler System Certification approval from Building Authority to the Bauamt. Once approved, the Army will proceed with Adv and Awd.

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2016	Army Reserve	Major Military Construction	New York	86814	Organizational Maintenance Shop	10/18/2017	10/18/2018	07/17/2020	95%	Project impacted by local utilities timeline.
2016	Defense Health Agency	Major Military Construction	Hawaii	80412	Health/ Dental Clinic Add/ Alt Phase 1	06/16/2016	12/08/2017	08/30/2021	80%	Parking Garage Construction Complete preparing financial closeouts Complete construction completion (Parking Garage, New Clinic Add/Alt, Demo of old clinic) not until 30 AUG 2021. Majority of time extension (171 days) is from an engineering change for precast panel finish (manufactured panels were deemed not aesthetically satisfactory and so, adjustments were required). A total of 235 days for time extensions was granted.
2016	Defense Health Agency	Major Military Construction	Hawaii	78150	Medical Clinic Replacement	11/14/2016	12/21/2018	08/31/2020	99%	Construction was delayed due to unforeseen site condition and asbestos in buildings for demolition. BOD was 31 JAN 20
2016	Defense Health Agency	Major Military Construction	Germany	77986	Dental/ Medical Clinic Addition	12/14/2016	06/04/2019	11/23/2020	79%	Contractor's poor performance (not enough workers on site) coupled with design challenges has lead to time extensions. Current estimated BOD is 26 Feb 2021.
2016	DLA Defense Energy Support Center	Major Military Construction	Virginia	DESC1607	Replace Fuel Pier and Distribution Facility, Langley AFB, VA	10/12/2016	05/29/2018	10/12/2019	100%	Some environmental permitting issues were not identified until after construction started. This required a new storm water permit to be negotiated with the state regulator and additional changes to the design to accommodate the permit requirements. Poor handling of the project turnover between USACE and Langley AFB have contributed to the project being unaccepted by the Air Force but is substantially complete.

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
2016	Marine Corps Active	Major Military Construction	North Carolina	M67001686	RADAR AIR TRAFFIC CONTROL FACILITY ADDITION	10/12/2016	04/06/2018	10/23/2019	43%	Design modifications to utilities and proper storm water permitting complicated construction.
2016	Marine Corps Active	Major Military Construction	North Carolina	M67001729	OPERATIONAL TRAINER FACILITY	10/12/2016	04/06/2018	10/23/2019	95%	Design modifications to utilities and storm water permitting delayed construction.
2016	Missile Defense Agency	Major Military Construction	Poland	640	Aegis Ashore Missile Defense System Complex	03/14/2016	04/13/2018	04/14/2021	85%	The construction phase of the project is delayed due to continued contractor execution issues. However, the Aegis Weapon System to include Command, Control, Communications, Computers, and Intelligence (C4I) equipment is on site in Poland ready for installation once construction status is complete enough to support installation. The Government investigated Courses of Action (COA), including a phased AEGIS Weapon System Installation and Checkout (INCO). In FY20, the COAs will be staffed with stakeholders including Navy, EUCOM, and OSD. USACE and MDA will continue to actively investigate opportunities to accelerate Installation and Check Out (INCO) work on a not-to-interfere basis with construction.
2016	Navy Active	Major Military Construction	Japan	N61054023	CHILD DEVELOPMENT CENTER	01/02/2017	09/30/2018	11/25/2019	1%	Delays due to differing site conditions. Current Construction Completion Date is based on Financial % Complete.

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2016	Navy Active	Major Military Construction	California	N63042218	RTO AND MISSION DEBRIEF FACILITY	05/24/2016	11/16/2017	11/03/2019	61%	Delays due to design changes related to telecommunications and related infrastructure such as fiber and copper, contractor performance issues, and rework required to meet facility requirements. Current Construction Completion Date is based on Financial % Complete.
2017	Army Active	Major Military Construction	Georgia	85818	Cyber Protection Team Ops Facility	04/17/2017	10/09/2018	10/31/2019	93%	Delays associated with in-scope design modifications to complex mechanical / electrical systems. Project was an addition to an existing facility. The medium voltage switchgear and the backup generator fuel oil piping system were different than what was provided during design.
2017	Army Active	Major Military Construction	Germany	62380	Training Support Center	03/19/2018	03/22/2021	05/28/2022	3%	There are multiple contracts associated with this project: Site Prep, Extend Heating Line, Construct the TSC, and Demolition. The original scheduled award date was input when the project was obligated to the German government (Bauamt). The award to industry on the main construction contract for the TSC was delayed for environmental issues. There have also been delays associated with weather and site restrictions.
2017	Army Reserve	Unspecified Minor Military Construction	Puerto Rico	88722	Fire Station	05/19/2017	07/13/2018	07/31/2020	74%	Unforeseen weather conditions (Hurricane Maria) impacted contract performance.
2017	Defense Health Agency	Major Military Construction	Maryland	80906 81420 85667 90417	Medical Center Add/Alt, Increment 1-4	12/22/2017	05/10/2019	08/30/2026	6%	This is an incrementally funded project. Unforeseen site condition has delayed the progress of this project.

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2017	Navy Active	Major Military Construction	California	N00246963	GRACE HOPPER DATA CENTER POWER UPGRADES	04/10/2017	10/03/2018	12/13/2019	55%	Government and demo work delays, communication fiber infrastructure change, design changes to roof and communications infrastructure. Current Construction Completion Date is based on Financial % Complete.
2017	Navy Active	Major Military Construction	Maryland	N61151190	ADVANCED ENERGETICS RESEARCH LAB COMPLEX PH 2	05/11/2017	09/06/2019	02/11/2021	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 ATPF and fire protection. Slow contractor response to Government's 50% design comments. Current Construction Completion Date is based on Financial % Complete.
2017	Navy Active	Unspecified Minor Military Construction	Maryland	N47608421	Inert Storage Building Replacement	10/11/2017	10/24/2018	12/30/2019	51%	Longer than expected Maryland Department of the Environment approval phase; large contractor personnel turnover which hampered design development phase. Current Construction Completion Date is based on Financial % Complete.
2017	Navy Active	Major Military Construction	Italy	N62995737	UPGRADE ENTRY CONTROL POINT	03/14/2017	08/22/2018	12/02/2019	86%	Hazardous materials found on site, clean up mitigation delayed completion. Current Construction Completion Date is based on Financial % Complete.

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2018	Navy Reserve	Unspecified Minor Military Construction	Louisiana	N00206518	APRON LIGHTING	09/24/2018	09/10/2018	09/30/2019	18%	Schedule growth primarily due to design re-submittals required at 35% and 100%.. Current Construction Completion Date is based on Financial % Complete.