

1. Component NAVY	FY 2020 MILITARY CONSTRUCTION PROGRAM			2. Date 09 MAR 2021
3. Installation(SA) and Location/UIC: N61159 US NAVSUPACT MCB GUAM FINEGAYAN, GUAM			4. Project Title Fire Station	
5. Program Element	6. Category Code 73010	7. Project Number J008	8. Project Cost (\$000) 45,850	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
FIRE STATION		2,011		28,940
FIRE STATION CC73010		2,011	13,504.70	(27,160)
BUILT-IN EQUIPMENT	LS			(890)
SPECIAL COSTS	LS			(890)
SUPPORTING FACILITIES				12,170
SITE PREPARATIONS	LS			(1,180)
SPECIAL FOUNDATION FEATURES	LS			(160)
PAVING AND SITE IMPROVEMENTS	LS			(3,940)
ELECTRICAL UTILITIES	LS			(3,680)
MECHANICAL UTILITIES	LS			(2,110)
ENVIRONMENTAL MITIGATION	LS			(1,100)
SUBTOTAL				41,110
CONTINGENCY (5%)				2,060
TOTAL CONTRACT COST				43,170
SIOH (6.2%)				2,680
SUBTOTAL				45,850
TOTAL REQUEST ROUNDED				45,850
TOTAL REQUEST				45,850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(10,066)
10. Description of Proposed Construction:				
<p>Project constructs a low rise, reinforced and protected concrete fire station at Naval Support Activity (NSA) Marine Corps Base (MCB) Guam with components, such as exterior walls, flooring, foundation, windows, roofing, mechanical, electrical, and information systems appropriated to Guam seismic, typhoon and tropical environmental conditions. This project shall be designed to meet all applicable Unified Facilities Criteria (UFC), Facilities Criteria (FC), National Fire Protection Association (NFPA), Occupancy Safety and Health Administration (OSHA), Marine Corps Base Guam Installation Appearance Plan dated April 2011 (or latest), and all other applicable regulations, instructions and/or standards.</p> <p>The fire station will include the maintenance and apparatus room, administration and training spaces [i.e. station officer's office/watch desk, fire chief's office, lobby area, conference room, assistant chief of the operations/shift supervisor's office, fire inspector's office, emergency medical service (EMS) office, hazardous material (HAZMAT)/safety office, logistics office, training room, testing/study room, general administrative storage, fire extinguisher inspection room, and day/training room],</p>				

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<p>residential/dorm and living area, including kitchen, vehicle maintenance bays, fitness room, laundry room, recreation room, various space for storage needs [i.e. hose storage, personal protective equipment (PPE) gear, gear lockers, emergency medical technician (EMT) and medical supplies, hazardous materials/chemical, biological, radiological and nuclear (HAZMAT/CBRNE) Equipment, spare PPE gear, fire extinguishers (non-flight-line), and agent storage (structural)], equipment maintenance areas [i.e. self-contained breathing apparatus (SCBA) maintenance room, SCBA protective clothing laundry room, and fire extinguishers (non-flight-line)], bathrooms, showers, changing areas with lockers for each gender, and vending area. Apparatus bay areas will provide for a direct vent system that connects directly to the fire apparatus exhaust and vents vehicle exhaust directly outdoors. Project will be consistent with MCO 1100.11 Marine Corps Fire Protection and Emergency Services Procedural Manual and Facilities Criteria UFC 4-730-10 Fire Stations.</p> <p>Built-in equipment includes compressed air, emergency generator, fuel day tank, fuel storage tank, vehicle exhaust system, kitchen & kitchen hood exhaust system, industrial extractors/dryers, gear lockers, medical vault and secure storage containers, medical wash station for decontamination, drinking water facilities, radon mitigation, outdoor patio with seats and tables.</p> <p>Facility includes telecommunication infrastructure to support unclassified networks which deliver voice/video/collaboration/building management facility services, access control system (ACS), fire fighter alert system, remote annunciator panels, intercom/public address (PA) system, common access card (CAC) access computer equipment, SmartGrid capabilities, keypad door entries, motion sensors, security, and complete fire protection systems with detection, suppression, and transmitter infrastructure. Marine-grade/weatherproof communication between/among fire station and other facilities will be provided. Building telecommunication systems will comply with UFC 3-580-01 Telecommunications Building Cabling System Planning, Design, and Estimating. Building will be outfitted with appropriate fire alarm control panels and smoke detection systems per UFC 3-600-01 Fire Protection Engineering Facilities.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with UFC 1-200-02 High Performance and Sustainable Building Requirements, federal laws, and executive orders. Low impact development (LID) will be included in the design and construction of this project as appropriate.</p> <p>This project will provide anti-terrorism/force protection (ATFP) features and comply with ATFP regulations and physical security in accordance with DOD Minimum Anti-Terrorism Standards for Buildings. DoD Guidance Unit Costs (GUC) were used for this project. As such, the costs for specific ATFP features are included in the unit costs.</p> <p>Special costs include cybersecurity commissioning; Post Construction Award Services</p>				

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<p>(PCAS); geospatial surveying and mapping; and Guam gross receipt taxes (GRT). Building control systems include cybersecurity commissioning in accordance with current Department of Defense criteria.</p> <p>Operation and Maintenance Support Information (OMSI) is included in this project.</p> <p>All common area will be barrier free in accordance with requirements of the Architectural Barriers Act (ABA) of 1968; Americans with Disabilities Act and Architectural Barriers Act Accessibility Guideline, ABA Chapters 1 and 2; and Chapters 3 through 10 (the DoD Standards); and consistent with 29 U.S.C 794 Rehabilitation Act of 1973.</p> <p>SUPPORTING FACILITIES:</p> <p>The site preparation includes cut and fill for access road and project site, temporary erosion and soil control, and site grading.</p> <p>Paving and site improvements consist of concrete pavement for roads (including site approach to/from Apparatus Bay), parking, driveways, site, curbs and gutters; concrete masonry unit (CMU) block walls for ATRP compliant trash enclosure; landscaping; fencing; concrete for sidewalks and ramps; LID features; pedestrian and bicycle/bike features (e.g. bicycle racks, bike lane(s)/path(s), bike parking, trash receptacles, facility & parking signs); retention basin; security (screened) fencing; and screened gates. Parking spaces for twenty staff privately owned vehicles and three large government vehicles/trailers will be constructed.</p> <p>Special foundation consists of cavity probing and grouting at foundation locations and structural fill. Protective bollards for facilities are included.</p> <p>Mechanical utilities for this project include air-conditioning, water distribution system for fire protection and potable water, sanitary sewer system, storm drainage system, and fire hydrants. The ground improvements will include a drainage system consistent with the Guam Master Plan, LID and storm water pollution prevention plan. LID features include grass swales (SUS-Energy, LID) and pollution removal devices (SUS-Energy, LTD). Project will be designed with SmartGrid capabilities and the ability to tie into future district cooling systems.</p> <p>Electrical utilities include primary and secondary electrical distribution systems, transformer with protective enclosure, security lighting in accordance with Marine Corps physical security requirements, area lighting and telecommunications distribution system. Provide intra-installation enclave infrastructure for future SmartGrid connectivity.</p> <p>Environmental mitigation (natural and cultural resources mitigation) includes direct and programmatic mitigations required by the Record of Decision (ROD), Biological Opinion (BO) and Programmatic Agreement (PA).</p>				

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<p>Mitigation of unexploded ordnance (UXO) and munitions and explosives of concern (MEC) are also included.</p> <p>Facilities will be designed to meet or exceed the useful life specified in DoD Unified Facility Criteria as well as the NFPA. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p>All common area of all the facilities in this project will be barrier free in accordance with requirements of the Architectural Barriers Act (ABA) of 1968; Americans with Disabilities Act and Architectural Barriers Act Accessibility Guideline, ABA Chapters 1 and 2; and Chapters 3 through 10 (the DoD Standards); the special provisions of the DoD Secretary of Defense Memorandum, Subject: Access for People with Disabilities, October 31, 2008; and consistent with 29 U.S.C 794 Rehabilitation Act of 1973.</p>				
11. Requirement: <u>2011 m2</u> Adequate: Substandard: PROJECT: This project constructs a Fire Station at MCB Guam. (New Mission) REQUIREMENT: The 2009 Guam International Agreement was amended in October 2013 between the United States Government and the Government of Japan. The agreement outlines the realignment of Marine Corps elements to reduce United States military footprint in Okinawa, including the relocation of forces from Japan to Guam. The Guam Master Plan was completed in June 2014 to ensure all operational, base support, training, quality of life requirements, support facilities, and infrastructure were efficiently identified. The majority of the MCB Guam northern area is undeveloped and requires significant site improvements, grading, earthwork, utility infrastructure, fencing and roadways to support construction. A Fire Station is required to provide fire protection services to facilities and personnel on MCB Guam. CURRENT SITUATION: There will be no firefighting & rescue personnel who can respond to emergencies or fire in less than seven minutes at Finegayan to support the new MCB Guam requirements. The development on MCB Guam is in the initial stages, requiring significant site improvements, grading, and utility infrastructure, to provide for the necessary facilities to support approximately 5,000 personnel. Currently, the existing small Fire Station in Finegayan is unable to support the MCB Guam requirements. It is outdated, lack of space to expand, and is planned for demolition. The closest fire station response time currently to the new				

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<p>MCB Guam takes over seven minutes (averages over 15 minutes) to arrive at MCB Guam, unable to meet the DoDI 6055.6 standard of less than seven-minute response time.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Units/activities will not vacate their current facilities on Okinawa until new replacement and support facilities in Guam have been completed, inspected, accepted, and out-fitted. Failure to complete this project on time may delay or prevent relocation from occurring.</p> <p>This project is critical in providing the necessary fire protection and emergency services to MCB Guam. If there is no Fire Station in MCB Guam, there will be no fire & rescue personnel who can respond to fire and emergencies in less than seven minutes as required to meet DoDI 6055.6 since they will be outside the required response time.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2019
(B) Date 35% Design or Parametric Cost Estimate complete				02/2020
(C) Date design completed				10/2020
(D) Percent completed as of September 2018				0%
(E) Percent completed as of January 2019				0%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total cost(\$000) (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,270
(B) All other design costs				\$1,600
(C) Total				\$3,870
(D) Contract				\$2,270
(E) In-house				\$1,600
4. Contract award:				08/2021
5. Construction start:				09/2021
6. Construction complete:				09/2023
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost(\$000)</u>	
C4I Planning and Design	O&MMC	2022	1,727	
C4IT Procurement & Install	PMC	2022	2,243	
Collateral Equipment/FF&E	O&MMC	2022	255	
Emergency Response Vehicles	PMC	2022	2,905	

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<p>Fire Truck/Personnel Equipment O&MMC 2022 2,937</p> <p>CERTIFYING OFFICIAL STATEMENT:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended.</p> <p>Activity POC: Anthony Frontiero Phone No: 671-355-3336</p>				