



# STATE OF CONNECTICUT MILITARY DEPARTMENT CONNECTICUT NATIONAL GUARD



## ARMORY CONSTRUCTION PURCHASE PROGRAM REPORT JANUARY 1, 2023



# STATE OF CONNECTICUT

## Military Department



### **Governor William A. O'Neill Armory** **360 Broad Street, Hartford, CT**

Completed in 1909, the Classical Revival style State Armory and Arsenal is the largest such facility in the state and serves as the headquarters for the Connecticut Military Department. It was designed by renowned architect Benjamin W. Morris and was dedicated by President William H. Taft. The new armory was decorated with flags and patriotic bunting in preparation for the gala dedication on November 29, 1909. The new armory far exceeded in size than any other public building in Connecticut and provided one of the largest unobstructed floors in the region. The building consists of a head house that fronts a massive drill shed floor. The exterior, constructed of granite and limestone, features the State seal over the central entry; figureheads over the side entrances of the drill shed incorporate motifs from antiquity.

The Armory was restored, modernized and rededicated in 1996, and in 2008 the Armory was renamed in honor of Governor William A. O'Neill (1930-2007), who served as Governor from 1980 to 1991. He was a veteran of the Korean War, who served as a combat pilot from 1950 to 1953.

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A CH-47F Chinook helicopter from the 2/104th Aviation Regiment, Connecticut Army National Guard, hoists a recovered buoy into the water adjacent to U.S. Coast Guard Cutter Oak (WLB 211) off the coast of Nantucket, Massachusetts, June 1, 2022. (U.S. Army photo by Sgt. Matthew Lucibello)

# Armory Construction Purchase Program

Pursuant to Section 27-45 of the Connecticut General Statutes, the Adjutant General shall prepare and submit an armory construction/purchase program. This program shall be considered the policy of the State and the basis for establishing priorities in the appropriation of State funding for new construction or the purchase of armories, buildings or land for military purposes. An original report is submitted to the Governor, copies to the Commissioner of the Department of Administrative Services, State Properties Review Board and the General Assembly.

Suspense: January 1 of Odd-Numbered Years

State Proponent: Military Department

Military Department Action Office: Construction & Facilities Management Office

Questions/Comments: Please call the agency contacts listed below.

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## Credits

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# CURRENT STATEWIDE FACILITIES 2023

**35 Sites**  
**201 Buildings**  
**2,604 Acres**  
**2,367,620 Square Feet**

## **14 Readiness Centers**

Branford  
Enfield  
Hartford  
New Britain  
New London  
Niantic  
Norwich  
Putnam (*Future FY2022 FYDP*)  
Rockville  
Southington  
Stratford  
Waterbury  
Westbrook  
Windsor Locks

## **4 Armed Forces Reserve Centers**

Danbury  
Middletown  
New Haven  
West Hartford

## **4 Maintenance Shops**

Danbury (FMS)  
East Lyme (UTES)  
Middletown (FMS)  
Windsor Locks (CSMS/FMS)

## **4 Specialty Sites**

New England Disaster Training Center (NEDTC)  
at Camp Hartell (Windsor Locks)  
Civil Support Team (Windsor Locks)  
Military Working Dogs (Newtown)  
East Lyme Fire House (Stone's Ranch)

FMS: Field Maintenance Shop  
UTES: Unit Training Equipment Site  
CSMS: Combined Support Maintenance Shop

## **2 Army Aviation Sites**

Groton (TASMG)  
Windsor Locks (AASF)

## **3 Training Centers**

Camp Nett at Niantic\*  
(Niantic)  
Stones Ranch Military Reservation  
(East Lyme)  
East Haven Rifle Range  
(East Haven)

## **2 Air Guard Sites**

Bradley ANG Base (East Granby)  
ANG Station (Orange)

## **2 Militia Sites**

Newtown Horse Guard  
Avon Horse Guard

## **8 Recruiting Storefronts**

Bristol  
Bridgeport  
Danielson  
Hartford  
New Haven  
Stamford  
Torrington  
Vernon

\*PA 18-21, renamed "Camp Niantic" to "Camp Nett at Niantic". The name change honors Colonel Robert Nett, a Connecticut Guardsman and recipient of the Medal of Honor.

TASMG: Theater Aviation Sustainment Maintenance Group  
AASF: Army Aviation Support Facility  
ANG: Air National Guard

# OVERVIEW OF MAJOR PROJECTS CONNECTICUT ARMY NATIONAL GUARD

## Completed Facilities: (2018-2022)

2018	Civil Support Team (CST), Ready Building, Windsor Locks
2018	HVAC Upgrades for Westbrook, Rockville, Branford Readiness Center
2019	Simulation Training Building, Motion-Based, Camp Nett, Niantic
2019	Storage Building, Enfield Readiness Center
2019	Flat Roof Replacement, Hartford Armory
2019	Emergency Generators, Camp Nett, Niantic
2019	Range Maintenance Building, East Haven Rifle Range
2020	Emergency Generator, Enfield Readiness Center
2020	HVAC Upgrades for Building 802 Camp Nett, Niantic
2020	Central Issue Facility Renovations, Building 154, Windsor Locks
2020	Range Operations Building, East Haven Rifle Range
2021	Boiler Replacement, New London Readiness Center
2021	Interior Renovations, Enfield Readiness Center
2021	Drill Shed Phase 1 Refurbish, Hartford Armory
2021	Future Readiness Center Design, Putnam
2021	Army Aviation Support Facility Ramp Repairs, Windsor Locks
2022	Latrine Upgrade Building 802, Camp Nett, Niantic

## Short Term: FY 2022 - 2023

**Awarded or Programmed \$37M**

Fire Suppression Building, AASF, Windsor Locks  
Governor William O'Neill Hartford Armory Drill Shed Floor Phase 2  
Future Readiness Center Construction, Putnam (FYDP 2022)  
Camp Nett Electrical and Utility Upgrades  
Readiness Center Window Replacement, AASF  
Latrine Upgrade Building 802, Camp Nett, Niantic

## Mid Term: FY 2024 - 2025

**Programmed: \$15M**

Aircraft Maintenance Hangar, Windsor Locks  
Doors and Window Replacement Building 801, Camp Nett, Niantic  
Hartford Server Room Upgrade, Hartford Armory, Hartford

## Long Term: FY 2026 - 2030

**Programmed: \$137M**

Readiness Center, Litchfield (Newtown)  
Readiness Center, SRMR, East Lyme  
USPFO Warehouse & Administrative Spaces, Windsor Locks  
Aircraft Maintenance Hangar Addition, TASMG, Groton  
UTES, SRMR, East Lyme

**2022-2030: Federal Funding \$169,000,000**

**State Funding \$29,000,000**

# State of Connecticut Military Department Connecticut Army National Guard Capital Project Program

## Federal Process

### **MILCON Military Construction Over \$2M**

#### Long Range Construction Program (LRCP)

Each State Guard Submits  
Top 2 Projects  
Every Year

#### Infrastructure Requirements Program (IRP)

National Guard Bureau (NGB)  
List of 110 Projects  
2 from 54 States/Territories Plus 2 from  
NGB

#### Future Years Defense Program (FYDP)

Congress Approves and Funds as a  
Military Construction Appropriation  
(MILCON)

## State Process

### **FACCAP Facility and Capital Plan**

#### Military Department

Submits to OPM  
Per CGS Section 4b-23  
In Even Number Years

#### Office Policy and Management (OPM)

Reviews the Agency Plans  
Prepares the Integrated State Facility Plan  
(ISFP) and Submits to SPRB

#### State Properties Review Board (SPRB)

Reviews Plan and Submits To  
The General Assembly  
For Approval and Appropriation

Capital projects are dependent upon federal and state funding sources. Timing within the process is important to any addition or alteration of a Connecticut National Guard facility.

## Keys for Success

- Documentation Submitted on Time
- Acquisition of Land / Certificate of Title
- Matching Federal and State Funds
- Plan on NEPA/CEPA "Environmental Requirements"
- Proactive Communication Program

**Average time from submission to execution of projects for both the  
Federal and State process: 7-10 Years**



# STATEWIDE ENERGY AND EFFICIENCY PROJECTS

Utilizing more than \$5 million of Federal funding over the last four years, matched with \$1 million of State bonding, the Connecticut National Guard has conducted energy audits and prioritized numerous energy efficiency projects such as lighting, replacement of steam HVAC systems, and exterior energy code improvements.

## Electric Vehicle Charging Stations:

- In Progress: Design and installation at 5 facilities - Stratford, Waterbury, Hartford Armories, Camp Nett at Niantic and TASMG.

## LED upgrades:

- Completed: 95% of our facilities have been converted to LED lighting. Five facilities remain. Average payback period is seven years.

## Mechanical Systems:

- Completed: Camp Nett at Niantic, Branford, New London
- In Progress: Niantic Readiness Center, Windsor Locks and Groton
- Planned: Hartford

## Building Envelopes (Door, Windows, Facades):

- Completed: New London, Stratford
- Planned: Camp Nett at Niantic, Rockville, Enfield, Branford, Windsor Locks

## Sustainable Energy:

- Completed: Norwich Solar Feasibility Study (design/construction FY23)
- Planned: Camp Hartell, Camp Nett at Niantic, TASM-G energy studies



### **SOLAR INSTALL**

**Norwich Armory proposed roof panel array will provide 167% return on investment with 16.4 year payback period.**



# ARMY NATIONAL GUARD CAMP NETT at NIANTIC NIANTIC, CT

**800 Series Barracks Doors  
and Windows replacement  
project.**



**BARRACKS LATRINE UPGRADE:  
Complete remodel for barracks  
latrines.**

This multi-phased project will modernize the Transient Training Barracks on Camp Nett at Niantic. These projects will provide Connecticut National Guard Soldiers with modern facilities to help increase Soldier readiness and improve support for state emergency response.

Phase 1: HVAC and AC install

**COMPLETED  
2020**

Phase 2: Building 801 Latrine Upgrade

**COMPLETED  
2022**

Phase 3: Building 802 and 803 Latrine Upgrades

**DESIGN & CONSTRUCTION  
2022-24**

Phase 4: Door and Window Replacement

**DESIGN & CONSTRUCTION  
2023-25**

Federal Funds: \$2,200,000

All phases administered by Connecticut Military Department.

# **ARMY NATIONAL GUARD THEATER AVIATION SUSTAINMENT MAINTENANCE GROUP (TASMG) GROTON, CT**

## **PLANNING / DESIGN**



Renovation and modernization of an existing aircraft corrosion control facility. This project will provide a state-of-the-art blast booth and media recovery system. The redesigned space will be built to accommodate the next generation of Army aircraft.

## **TASMG CORROSION CONTROL FACILITY**



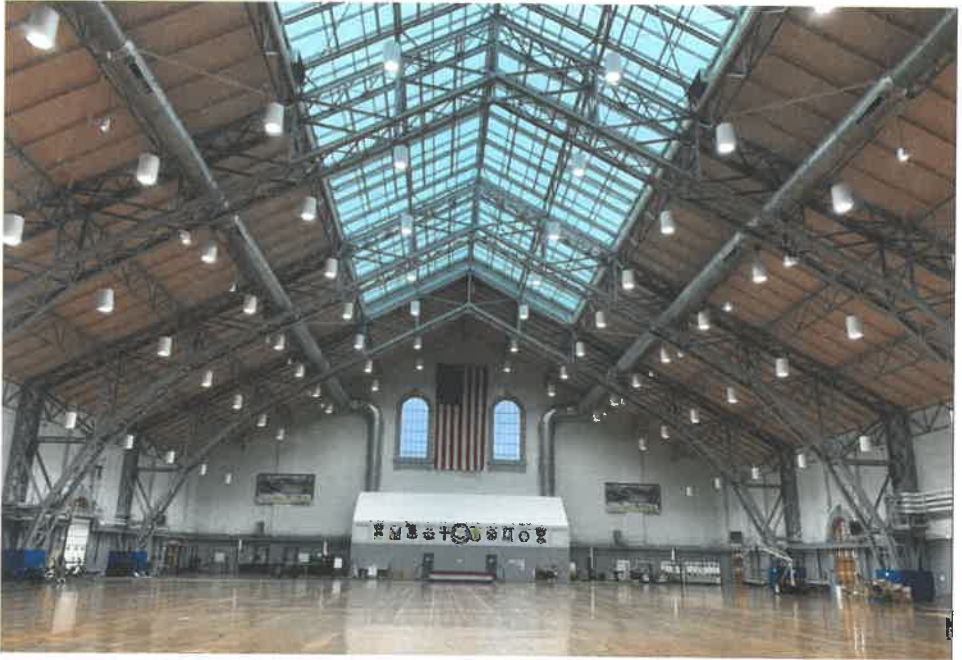
## **TASMG BLAST MEDIA BOOTH**

## **PLANNING / DESIGN**

New blast media and media recovery system is needed to meet current and future mission requirements. The current system suffers outages due to aging and end of life cycle equipment.

The CTARNG is requesting \$5.7M of Federal funding for this project.

# ARMY NATIONAL GUARD HARTFORD ARMORY DRILL SHED RENOVATIONS



## PHASE 1 and 2 DRILL SHED FLOOR RENOVATIONS

### DESIGN / CONSTRUCTION

The Governor William A. O'Neill Armory drill shed floor is the centerpiece of the Connecticut Military Department. It is used for a variety of events: the Gubernatorial inauguration, military and civic ceremonies, athletic events, as well as physical and military training. The CTARNG conducted an extensive design and project planning culminating in the following projects.

1. Structural repairs to substructure
2. Paint ceilings, trusses and walls, install LED light fixtures
3. Upgrades to audio visual, sound, multimedia
4. Refinish wood floor, acoustic treatment to ceiling and walls

**COMPLETED**  
**COMPLETED**  
**2023**  
**2023**

Phase 1 was completed in 2021. It included structural repairs, painting and LED light replacement. The Connecticut Military Department received additional State bonding for Phase 2 which includes floor refinishing, acoustic treatment and multimedia capabilities.

These projects will enable the Connecticut Military Department to continue utilizing this historic space through the 21st century.

**ARMY NATIONAL GUARD  
AVIATION SUPPORT FACILITY (AASF) UPGRADES  
WINDSOR LOCKS, CT**



**ARMY AVIATION SUPPORT  
FACILITY FIRE SUPPRESSION  
FACILITY. Construction  
completed in 2022.**

**CONSTRUCTION**

This project upgrades the safety, efficiency and aviation operations of our primary rotary wing facility.

Construction of access road to connect apron to Light Lane **COMPLETED**

Concurrently, separate projects will;		
Modernize the fire suppression pump house	<b>COMPLETED</b>	<b>2021</b>
Upgrade the heating system	<b>COMPLETED</b>	<b>2022</b>
Install energy efficient windows	<b>COMPLETED</b>	<b>2022</b>
Install backup generator	<b>CONSTRUCTION</b>	<b>2023</b>

Total Project Cost is \$17M. All projects are 100% Federally funded.



**CH-47 AND UH-60 AIRCRAFT AT THE AASF, WINDSOR LOCKS, CT**

# **ARMY NATIONAL GUARD FUTURE READINESS CENTER PUTNAM, CT**



## **CONSTRUCTION**

The Putnam Readiness Center is part of the Future Years Defense Program for FY 2022 at a cost of \$19.5 million Federal dollars and \$6.5 million State dollars. The demolition of surplus buildings is complete. Environmental review is complete, and the design completed by Ames and Whitaker Architects. The construction contract is complete and was awarded to the Morganti group in September 2022.



**PUTNAM READINESS CENTER GROUNDBREAKING CERMONY  
OCTOBER 2022**



# ARMY NATIONAL GUARD CAMP HARTELL FUTURE WAREHOUSE WINDSOR LOCKS, CT



**PROPOSED USPFO WAREHOUSE PHASED CONCEPT**

## **Success:**

The CTARNG has invested over \$50M at Camp Hartell in Federal and State construction funds in previous years, resulting in utility upgrades, new roads, an entry control point, a Combined Support Maintenance Shop and a ready building for the 14th Civil Support Team (Weapons of Mass Destruction).

## **Remaining requirements:**

Our last remaining project at Camp Hartell is the United States Property and Fiscal Office Warehouse. It will not receive major MILCON funding due to other national priorities. The CTARNG plans to modify current buildings in two phases to afford Soldiers the modern facilities necessary for current operations by conversion of the temporary World War Two era depot.

Interim Phase: Modify existing buildings to accommodate the Central Issue Facility, where soldiers receive uniforms and personal equipment.

**COMPLETED**

Long Term Phase: Complete a design package with State bonding to encompass complete and usable projects in a phased manner. This phased strategy will better position the CTARNG for consideration of unspecified MILCON funding.

**DESIGN STUDY COMPLETED**

# **ARMY NATIONAL GUARD UNIT TRAINING EQUIPMENT SITE EAST LYME, CT**



**UNIT TRAINING EQUIPMENT SITE, EAST LYME**



**UTES MAINTENANCE BAY**

UTES serves as the primary maintenance facility for CTARNG construction, bridging and Military Police equipment used in response to state emergencies. Originally constructed in 1941 and 1979 the facilities no longer meet mission requirements due to the increasing equipment sizes and newly fielded equipment. Many vehicles supported by the facility do not fully fit into the maintenance bays. Additionally current locker rooms and latrines are not to code and do not support the number of mechanics assigned to the facility.

**Interim Phase:** Design and renovate locker room and latrine facilities to meet the needs of the CTARNG soldiers stationed at the UTES facility.

**Long Term Phase:** Complete a design package with State bonding to support construction of a new maintenance facility. This will better position the CTARNG for consideration of 100% Federally funded MILCON project.



## **BRADLEY AIR NATIONAL GUARD BASE EAST GRANBY, CT**

In 2022, Bradley ANGB completed construction of the following projects: Old Airfield Alert Hangar Demolition, and Airfield Pavement Repair.

The Bradley ANG Base 1/4 Mile Track construction contract has been awarded and is currently in permitting with the DEEP, and construction is expected to commence in the Summer of 2023.

The \$18.7M Composite Aircraft Support Equipment and Vehicle Maintenance Complex MILCON project received advanced funding from Congress in 2022 and is expected to be awarded for construction in the Spring of 2023.

An Airpark Relocation Project (in support of the Base Entry Complex Project completed June 2020) is currently in design and is expected to enter the construction phase in Spring of 2023.

A partnership with UCONN School of Engineering yielded a conceptual design on the Perimeter Road Construction project, which is expected to move into construction in 2024.

Finally, the CTANG updated the Installation Development Plan, identifying projects that will take us into the next decade and beyond. A new Dining Facility, Headquarters, Command Post, PBX facility, Medical Training facility, Civil Engineering facility, and Fire Department expansion are just a few of the new projects to be identified and programmed.

## **ORANGE AIR NATIONAL GUARD STATION ORANGE, CT**

The Orange Entry Control Facility construction contract has been completed and brought into service.

A partnership with UCONN School of Engineering yielded a conceptual design on a 3,000 SF storage facility addition.

# **AIR NATIONAL GUARD MILITARY CONSTRUCTION (MILCON) & SUSTAINMENT, RESTORATION & MAINTENANCE (SRM) PROJECTS**

## **Completed Projects: \$2,800,000**

- Repair Main Gate Building 22 (Orange ACS)
- Old Airfield Alert Hangar Demolition (Demolish Building 11)
- Airfield Pavement Repair

## **Short Term (2023): \$1,400,000**

- Main Gate Air Park
- Quarter Mile Running Track

## **Mid Term (2024-2025): \$8,100,000**

- Construct Fire Station Addition
- Upgrade Fire Pumps

## **Long Term (2026-2040): \$46,000,000**

- De-ice Facility
- Demolition of Building 10003, 26
- Hangar Fire Suppression Upgrades
- Base Fitness Center
- Dining/Medical Training Facility
- Headquarters, EOC & Command Post
- Base PBX Facility
- Repair Roads Base-wide
- Repair Building 10002
- Construct Civil Engineer Complex



Connecticut Air National Guard C-130H aircraft at Bradley Air National Guard Base conducting air lift operations.

**AIR NATIONAL GUARD  
OLD ALERT HANGAR DEMOLITION  
(DEMOLISH BUILDING 11)  
BRADLEY ANGB EAST GRANBY, CT**



**COMPLETED  
September 2022**

Administered by United States Property & Fiscal Office (USPFO) of Connecticut  
Design Completed: December 2020  
Design A&E: Jacobs  
Construction Completion: September 2022  
Builder: Classic Site Solutions  
Federal Funds: \$1,330,000 SRM  
Project Number: CEKT192209

This is an FY22 SRM project to demolish an antiquated aircraft alert hangar. The structure filled numerous roles, including most recently the role of interim fire department storage facility. The structure itself violated airfield criteria and was deemed an airfield hazard. Demolition of the facility will allow consolidation of operational functions, reduce maintenance/repair/utility costs, and expand the usable area of the parking apron to accommodate an additional C-130 parking space. Demolition and airfield pavement restoration were completed in a single construction season.

# **AIR NATIONAL GUARD AIRPARK RELOCATION BRADLEY ANGB EAST GRANBY, CT**



**UNDER DESIGN**  
**Sept 2022**

Design Administered by Connecticut Department of Administrative Services  
Scheduled Design Completion: June 2023  
Design A&E: Langan Engineering and Environmental Services, Inc.  
Scheduled Construction Completion: October 2023  
Builder: TBD  
Federal Funds: \$0  
State Funds: \$800,000 Bond  
Project Number: CEKT217667

This FY22/23 project will relocate an airpark from the old main gate facility to the new Base Entry Complex (\$7.0M MILCON, completed in June 2020). The planned airpark will include a static display retired aircraft, ceremonial pad, walking path, and small parking area surrounding the existing static display C-130 aircraft. Construction is scheduled to begin and conclude in the 2023 construction season.

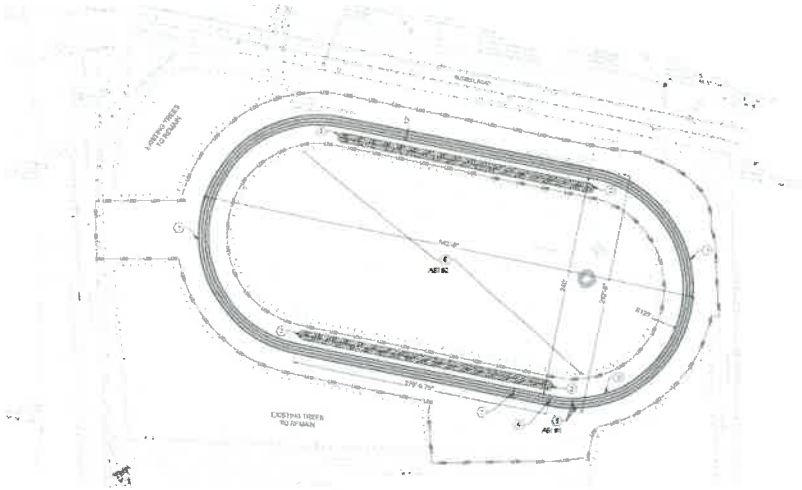
# AIR NATIONAL GUARD REPAIR MAIN GATE BUILDING 22 ORANGE ANG'S ORANGE, CT



**COMPLETED**  
**January 2022**

Administered by United States Property & Fiscal Office (USPFO) of Connecticut  
Design Completed: November 2018  
Design A&E: Ames and Whitaker  
Construction Completion: January 2022  
Builder: Classic Site Solutions  
Federal Funds: \$900,000 SRM  
Project Number: SKXJ142001

This FY20 project reconfigured the front gate at Orange Air National Guard Station. The former configuration was inadequate for the current mission and required a truck turn around lane and a properly configured guard shack to support 24/7 security operations.



**UNDER CONSTRUCTION**  
**Fall 2023**

Administered by: United States Property & Fiscal Office (USPFO) of Connecticut  
Design Completion: February 2020  
Design A&E: Pond & Company  
Scheduled Construction Completion: 2023  
Builder: Classic Site Solutions  
Federal Funds: \$648,419 SRM  
Project Number: CEKT182732

This is a FY20 SRM project to construct a new quarter mile track. This new facility will accommodate Army and Air Guard physical fitness requirements and eliminate numerous personnel safety issues.

# **AIR NATIONAL GUARD AIRCRAFT SUPPORT EQUIPMENT & VEHICLE MAINTENANCE COMPLEX BRADLEY ANGB EAST GRANBY, CT**



## **UNDER BIDDING Construction to Begin Spring 2023**

Administered by: United States Property & Fiscal Office (USPFO) of Connecticut  
Design Completion: April 2022  
Design A&E: Jacobs  
Scheduled Construction Completion: 2024-2025  
Builder: TBD  
Federal Funds: \$18,700,000 MILCON  
Project Number: CEKT179200

This is a FY22 MILCON project to construct appropriately configured Aircraft Support Equipment (ASE) and Vehicle Maintenance facilities. This project was originally programmed for FY23 but received advanced funding through the Congressional unfunded priority list. Congress additionally increased the project budget from \$17M to \$18.7M to adjust for inflation. The new facilities will include vehicle maintenance, refueler maintenance, administration support, heated parking, and covered storage. Merging similar operations will improve operational efficiencies and effectiveness, and the new construction will replace existing antiquated buildings and equipment.





Air Force Master Sgt. Chad Wink, assigned to the 103rd Maintenance Group, prepares the C-130H aircraft for flight. (U.S. Air National Guard photo by Master Sgt. Tamara R. Dabney)



Soldiers take part in 68W (Army Medic) training at Stones Ranch Military Reservation. (U.S. Army photo by Sgt. Matthew Lucibello)

# State of Connecticut Military Department Connecticut National Guard



## Installation Type

-  Connecticut Army National Guard
-  Connecticut Air National Guard
-  US Army Reserve

## CT Militias

-  1st Governor's Foot Guard
-  2nd Governor's Foot Guard
-  1st Governor's Horse Guard
-  2nd Governor's Horse Guard



*The Foundation of Readiness*