



STATE OF CONNECTICUT MILITARY DEPARTMENT CONNECTICUT NATIONAL GUARD



ARMORY CONSTRUCTION PURCHASE PROGRAM REPORT JANUARY 1, 2021



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 any other public building in Connecticut and provided one of the largest unobstructed floors in the region. The building consists of a headhouse 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, serving as a combat pilot from 1950 to 1953.

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Soldiers from the 1-102nd Infantry Regiment, Connecticut National Guard, set up U.S. Department of Health and Human Services federal medical station equipment in support of COVID-19 operations at Moore Field House at Southern Connecticut State University in New Haven, Connecticut, April 1, 2020. (U.S. Air National Guard photo by Staff Sgt. Steven Tucker)

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 Commissioner 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

Front cover and photos provided by the CTARNG Public Affairs Office, CFMO and multiple units.

CURRENT STATEWIDE FACILITIES 2021

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*)
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)

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 recipient of the Medal of Honor.

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

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: (2015-2020)

2015	Combined Support Maintenance Shop (CSMS), Windsor Locks
2015	Niantic Shoreline Stabilization, Niantic
2015	Roof and Skylight Replacement, Hartford Armory
2016	Unheated Storage Building, Groton
2016	Laundry and Latrine Facility, Niantic
2017	Secure Administrative Building, Camp Hartell, Windsor Locks
2018	Civil Support Team (CST), Ready Building, Windsor Locks
2018	HVAC Upgrades, Westbrook, Rockville, Branford Readiness Center
2019	Simulation Training Building, Motion-Based, Camp Nett
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 Building 802 Camp Nett, Niantic
2020	Central Issue Facility Renovations, Building 154, Windsor Locks
2020	Range Operations Building, East Haven Rifle Range
2020	Boiler Replacement, New London Readiness Center

Short Term: FY 2020 - 2021

Awarded or Programmed \$20M

Interior Renovations, Enfield Readiness Center
Building 325 Renovations, TASMG, Groton
HVAC System Upgrade, TASMG Groton
Hartford Armory Drill Shed Phase 1 and 2
Future Readiness Center Design, Putnam
AASF Ramp Repair, Windsor Locks
HVAC System Upgrade Building 803-804, Camp Niantic, Niantic

Mid Term: FY 2022 - 2023

Programmed: \$25M

AASF Energy Renovations and Fire Suppression Upgrades
Camp Nett Electrical and Utility upgrades
Hartford Armory Drill Shed Phase 2
Readiness Center Window Replacement, AASF and Rockville
Readiness Center, Putnam (FYDP 2022)

Long Term: FY 2024 - 2028

Programmed: \$137M

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

2020-2028: Federal Funding \$164,000,000

State Funding \$18,000,000

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

Federal Process

MILCON Military Construction

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 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:

LED upgrades:

- Completed: 85% of our facilities have been converted to LED lighting. Eight facilities remain. Average return on investment is seven years.

Mechanical Systems:

- Completed: Westbrook, Rockville, Branford, New London
- In Progress: Camp Nett, Windsor Locks, New Haven and Groton

Building Envelopes (Door, Windows, Facades)

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

**WINDOW REPLACEMENT,
NEW LONDON ARMORY**



**NEW HEATING SYSTEM,
NEW LONDON ARMORY**

ARMY NATIONAL GUARD ENFIELD READINESS CENTER ENFIELD, CT



NEW KITCHEN, ENFIELD ARMORY



STAND-BY GENERATOR, ENFIELD ARMORY

This multi-phased project will modernize the Enfield Armory into a Readiness Center with upgraded parking, storage, kitchens, latrines, and stand-by generator.

Phase 1: 6,700 Square Yards of Military Equipment Parking	COMPLETED 2017
Phase 2: 4,000 Square Foot Storage Building	COMPLETED 2019
Phase 3: 100 kw Stand-By Generator Designer: Bemis Contractor: Acore Builders	COMPLETED 2019
Phase 4: Kitchen and Latrine Upgrades Designer: ID3A Contractor: Diversity Construction Group	CONSTRUCTION 2020

Federal Funds: \$2,200,000

State Funds: \$1,600,000

All phases administered by Department of Construction Services

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



DESIGN / CONSTRUCTION

Renovation of an existing State Maintenance facility to provide storage, equipment repair and office space for facility maintenance staff.

The CTARNG received \$800,000 for this 100% Federally funded project.

TASMG 325 RENOVATION



TASMG 320 HVAC AND ENERGY UPGRADES

DESIGN / CONSTRUCTION

New HVAC systems and building controls will be installed in 6,500 square feet of the production facility. These new systems will increase energy efficiency and indoor air quality in critical production areas.

The CTARNG received \$1.7 million for this 100% federally funded 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 inauguration, send-off ceremonies, athletic events, plus physical and military training. The CTARNG conducted a year-long cycle of planning and preparation culminating in design, consisting of the following:

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, acoustical treatment to ceiling and walls

Phase 1 and 2 were awarded and work began in fall 2020 on the structural repairs, painting and LED light replacement. The Connecticut Military Department will need to seek additional State bonding for Phases 3 and 4.

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



**EXISTING ARMY AVIATION SUPPORT FACILITY
(RAMP OUTLINED IN RED)**

DESIGN COMPLETED

This project replaces the existing AASF apron at the Bradley International Airport.

- Reconfiguration of existing tie-down pads.

- Taxiway and aprons areas updated to support the assigned aircraft.

- Construction of a new access road to connect the apron to Light Lane.

Concurrently, separate projects will;

- Modernize the fire suppression pump house.

- Upgrade the heating system.

- Install energy efficient windows.

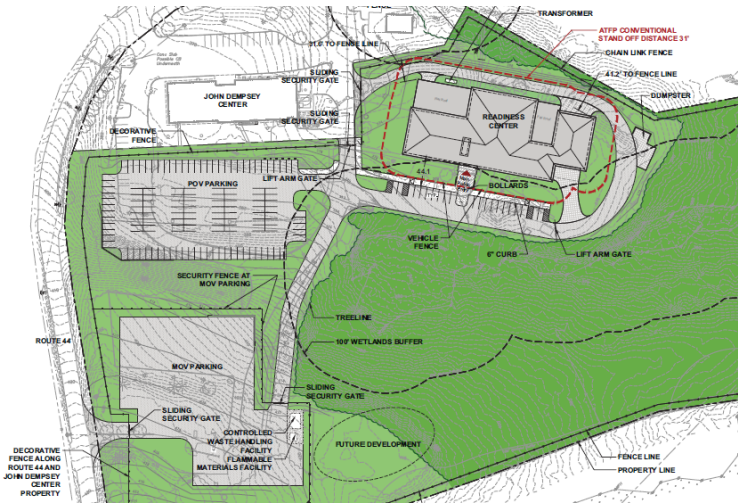
Project estimated cost is \$13 million. All projects are 100% Federally funded.

CTARNG received \$1.9 million of Federal funding in 2019 for a portion of this project.



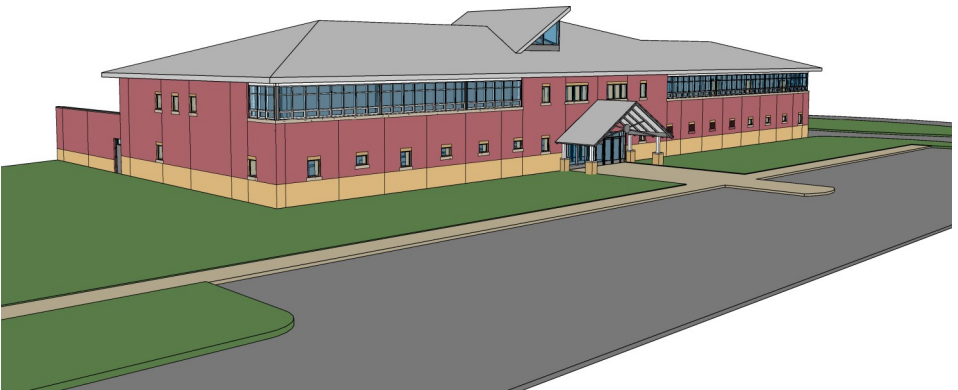
A CTARNG UH-60 Black Hawk MEDEVAC Helicopter takes off after receiving a simulated casualty from the 141st Medical Company.

ARMY NATIONAL GUARD FUTURE READINESS CENTER PUTNAM, CT



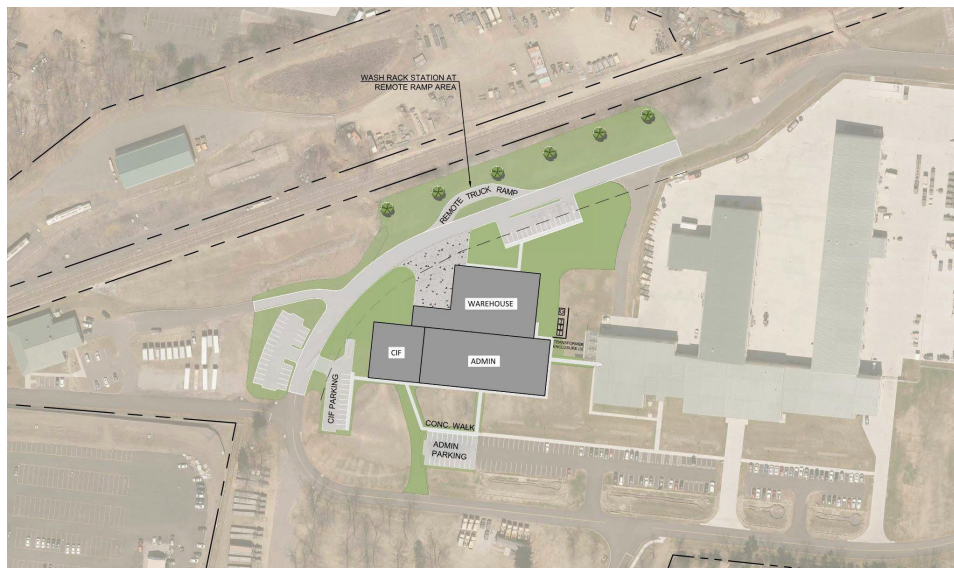
DESIGN

The Putnam Readiness Center is part of the Future Years Defense Program for FY 2022 at \$17.5 million Federal dollars. The demolition of surplus buildings is complete, environmental review is in process at National Guard Bureau, and the design is underway by Ames and Whitaker Architects. The National Guard Bureau has approved the 35% design submission.



PUTNAM READINESS CENTER

ARMY NATIONAL GUARD CAMP HARTELL FUTURE WAREHOUSE WINDSOR LOCKS, CT



USPFO WAREHOUSE PHASED CONCEPT

Success:

The CTARNG has invested over \$50M at Camp Hartell in Federal and State construction funds in the last five 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, the United States Property and Fiscal Office Warehouse, will not receive major MILCON funding due to other national priorities. Realizing this, the CTARNG has decided to modify current buildings in two phases to afford soldiers the high class facilities they need and also allow 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 TRAINING CENTER INSTALLATION MASTER PLAN



CAMP NETT AT NIAN TIC



EAST HAVEN RIFLE RANGE OPERATIONS BUILDING

As one of 48 nationwide collective training sites, the Connecticut Training Center, which consist of three sites in Niantic, East Lyme, and East Haven, underwent an intensive master planning effort in 2018. The master plan forecasts over \$50 million of Federal construction to fully build out the site to Federal requirements. The CTARNG has completed two simulation training centers and recently completed construction of two new support buildings at East Haven Rifle Range. Key to the development at Stone's Ranch is a request for \$2.2 million of state bonding to construct infrastructure that is not Federally supported. This infrastructure will support plans for a future Readiness Center and training support facilities.

BRADLEY AIR NATIONAL GUARD BASE EAST GRANBY, CT

In 2020 Bradley ANGB completed construction of the following projects: Entry Control Facility, Security Forces Add/Alteration, Building 12 Demolition.

The Bradley ANG Base 1/4 Mile Track construction contract has been awarded and is currently under construction with a completion estimated Spring 2021.

The \$17M Composite Aircraft Support Equipment and Vehicle Maintenance Complex MILCON project is currently under design and scheduled to be 100% designed by March 2021.

A \$750K Fitness Center and Vehicle Security Fencing SRM project are expected to enter the design phase in 2021.

A partnership with UCONN School of Engineering was established to initiate design on the Building 20 Demolition and Perimeter Road Construction.

Finally, the CTANG updated the Installation Development Plan (IDP), 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 awarded and is currently under construction with a completion estimated Spring 2021.

A partnership with UCONN School of Engineering was established to initiate design on a 3000 SF Addition to Orange Supply Building 18.

AIR NATIONAL GUARD MILITARY CONSTRUCTION (MILCON) & SUSTAINMENT, REPAIR & MAINTENANCE (SRM) PROJECTS

Completed Projects: \$12,500,000

- Base Entry Complex
- Security Forces Building 18

Short Term (2021): \$1,500,000

- Repair Main Gate Building 22 (ACS)
- Quarter Mile Running Track

Mid Term (2021): \$1,350,000

- Demolish Building 11
- Upgrade Fire Pumps

Long Term (2022 — 2031): \$52,000,000

- De-ice Facility
- Demolition of Building 20, 10003, 26
- Hangar 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
- Construct Fire Station Addition



A U.S. Air Force C-130H Hercules assigned to the 103rd Airlift Wing undergoes an isochronal inspection at Bradley Air National Guard Base, East Granby, Connecticut, June 24, 2020. (U.S. Air National Guard photo by Staff Sgt. Steven Tucker)

AIR NATIONAL GUARD CONSTRUCT BASE ENTRY COMPLEX BRADLEY AIR NATIONAL GUARD BASE EAST GRANBY, CT



COMPLETED
June 2020

Administered by United States Property & Fiscal Office of Connecticut

Design Completed: May 2018

Design A&E: Frankfurt-Short-Bruza Associates, P.C.

Scheduled Construction Completion: June 2020

Builder: LaRosa Building Group

Federal Funds: \$7,000,000 MILCON

State Bond Funds: \$1,500,000

Project Number: CEKT139029

This is an FY18 MILCON project to construct a new Entry Control Facility for Bradley Air National Guard Base. The project was awarded in November 2018 to relocate the Bradley Air National Guard Base Entry Control Facility from its original location to a recently acquired 4.52 acre parcel located adjacent to Route 20. This project resolved numerous security issues and directly supports the C-130H mission. The signalized intersection was completed in July 2020 and the Walnut Drive realignment construction was completed in November 2020.

**AIR NATIONAL GUARD
SECURITY FORCES BUILDING 18
BRADLEY AIR NATIONAL GUARD BASE
EAST GRANBY, CT**

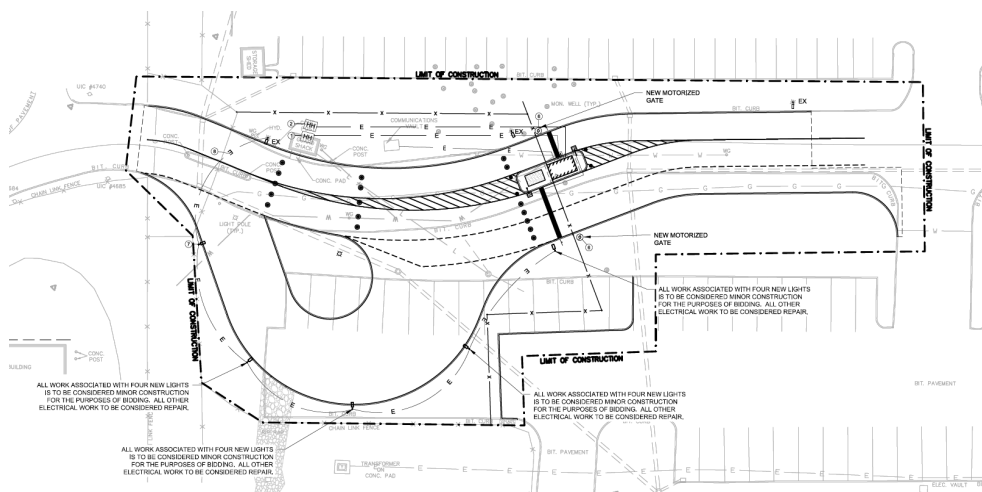


**COMPLETED
Sept 2020**

Administered by United States Property & Fiscal Office of Connecticut
Design Completed: June 2018
Design A&E: Pond & Company
Construction Completion: September 2020
Builder: LaRosa Building Group
Federal Funds: \$5,500,000
Project Number: CEKT149052

This FY18 MILCON project renovated a C-21 Squadron Operations building into a properly sized Security Forces Facility. The design project was awarded in September 2015 and renovated the existing facility and added an additional 3000 SF of new facility space, right sizing the Security Forces Squadron facility.

AIR NATIONAL GUARD REPAIR MAIN GATE BUILDING 22 ORANGE AIR NATIONAL GUARD STATION ORANGE, CT



UNDER CONSTRUCTION
Construction Began July 2020

Administered by United States Property & Fiscal Office of Connecticut

Design Completed: November 2018

Design A&E: Ames and Whitaker

Anticipated Construction Completion: Spring 2021

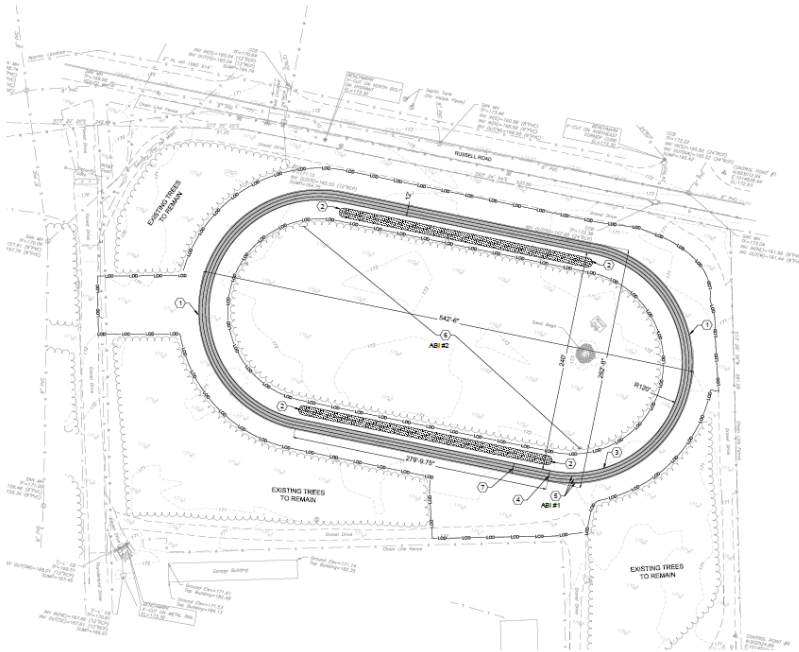
Builder: NA

Federal Funds: \$900,000

Project Number: SKXJ142001

This FY20 project will reconfigure the front gate at Orange Air National Guard Station. The current configuration is inadequate for the current mission and requires a truck turn around lane and a properly configured guard shack to support 24/7 security operations. The project is scheduled to be completed in the Spring of 2021.

AIR NATIONAL GUARD CONSTRUCT QUARTER MILE TRACK BRADLEY AIR NATIONAL GUARD BASE EAST GRANBY, CT



UNDER CONSTRUCTION
Construction Began Oct 2020

Administered by: United States Property & Fiscal Office of Connecticut
Design A&E: Pond & Company
Scheduled Construction Completion: 2024
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. The project is scheduled to be completed in the Summer of 2021.

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



**UNDER DESIGN
CONSTRUCTION TO BEGIN 2023**

Administered by: United States Property & Fiscal Office of Connecticut
Anticipated Design Completion: March 2021
Design A&E: Jacobs
Scheduled Construction Completion: 2024
Builder: NA
Federal Funds: \$17,000,000 MILCON
Project Number: CEKT179200

This is a FY23 MILCON project to construct appropriately configured Aircraft Support Equipment (ASE) and Vehicle Maintenance Complex. 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.

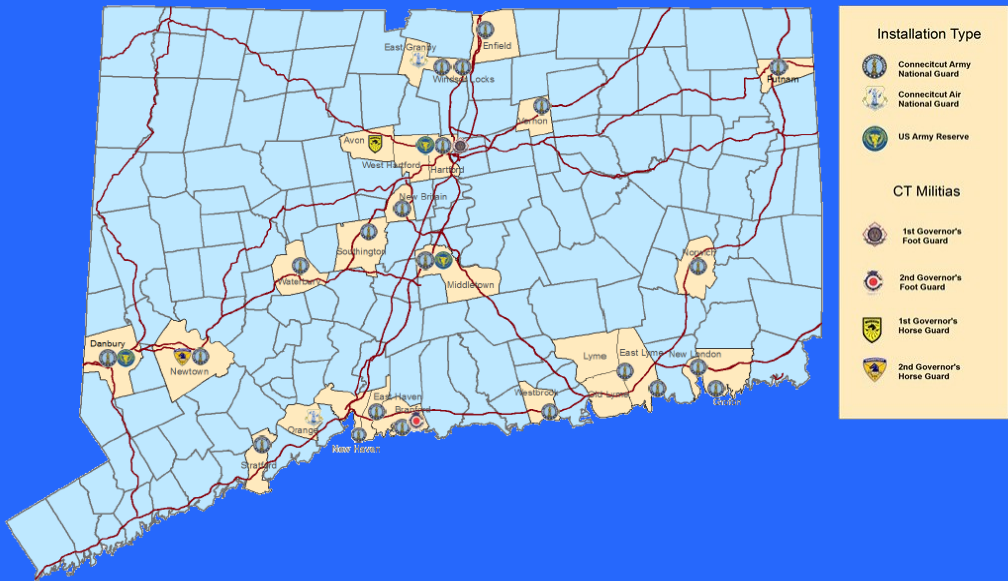


A C-130H Hercules assigned to the 103rd Airlift Wing drops a heavy cargo pallet during a five-ship formation flight at the Westover Air Reserve Base drop zone in Chicopee, Massachusetts, Oct. 4, 2020. (U.S. Air National Guard photo by Staff Sgt. Steven Tucker)



Soldiers assigned to the Connecticut National Guard's 250th Multi-Role Bridge Company drive their Bridge Erection Boat into position to grab a section of an Improved Ribbon Bridge on the Thames River in New London, Connecticut, June 10, 2020. (U.S. Army National Guard photo by Mr. Timothy Koster.)

State of Connecticut Military Department Connecticut National Guard



The Foundation of Readiness