



NATIONAL
MUSEUM
UNITED STATES
ARMY

National Museum of the United States Army
April 2019 Construction Update

Ernst & Young Make First Gift to Army Museum Campaign

On February 27th, representatives from Ernst & Young (E&Y)’s Government and Public Sector presented Army Historical Foundation (AHF) Executive Director BG Creighton Abrams, Jr., USA-Ret., with a check for \$20,000 toward the construction of the National Museum of the United States Army.

Ms. Katherine Hammack, Executive Director, Government and Public Sector of Ernst & Young praised the AHF for its efforts on behalf of the Army’s official national museum and ex-



Ms. Katherine Hammack and NMUSA Director, Ms. Tammy Call, in front of the Museum’s major donor recognition wall.

pressed her enthusiasm for the project. Ms. Hammack had previously been Assistant Secretary of the Army (Installations, Energy and Environment), the branch of the Army secretariat that oversaw the Museum project, before joining E&Y.

A major Army contractor, EY provides advisory, assurance, tax and transaction services to help clients retain the confidence of investors, manage risk, strengthen controls and achieve their full business potential.

Microsoft Corp. Exceeds \$1 Million in Gifts to Museum, Foundation

In December of 2018, Microsoft Corporation paid the final installment of its \$1 million cash gift in support of the National Museum of the United States Army. When combined with its generous donations of time and hardware to the Army Historical Foundation (AHF), Microsoft’s financial and in-kind support to the project has now greatly surpassed the \$1 million mark.

Since making its first gift of \$400,000 in 2016, Microsoft has continued its support with generous \$200,000 gifts each year, and finishing up with \$400,000 in 2018. AHF Chairman, General Gordon R. Sullivan (USA-Ret.), gratefully acknowledged the continued support by Microsoft, a leader in the technology community, and praised the company for its commitment to supporting the nation’s military services and recognizing the dedication and sacrifices of their men and women.

Microsoft’s Vice President of Military Affairs, Major General Chris Cortez, (USMC-Ret.), said “Microsoft has been proud to work closely with the Army Historical Foundation over the years to provide cutting edge technology and support for their Museum experience. We look forward to our continued partnership and to seeing the success of the Museum when it opens.”



Major General Cortez and GEN Sullivan

AHF Chairman GEN Gordon R. Sullivan added, “We deeply appreciate Microsoft’s continuing support for the Foundation’s mission with in-kind gifts and advice, focusing on state-of-the-art virtual and augmented reality technologies to enhance the overall visitor experience once the Museum opens in 2020.”

Iconic Helicopters Installed in the Army's Museum

Two historic rotary wing aircraft—a World War II R-4B called “The Sikorsky” after its designer Igor Sikorsky, and a Vietnam-era UH-1B Iroquois commonly known as the “Huey”—were the latest macro artifacts installed in the National Museum of the United States Army.

Considered the forerunner of today's rotary wing aircraft, “The Sikorsky” was the Army's first operational helicopter and the first helicopter in the world to be mass-produced. It is being showcased in the “Innovation and Invention” section of the *Army and Society Gallery*.

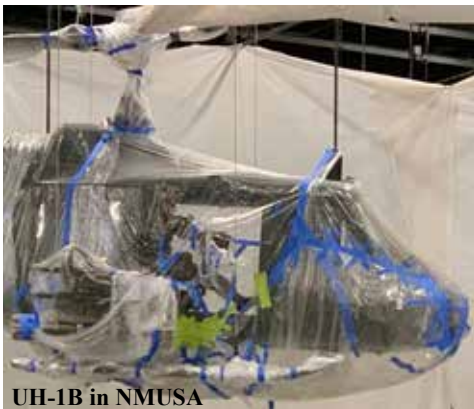
The two-seat aircraft is constructed of fabric and metal and has a single engine, dual controls, three-bladed main rotor, and main landing gear and tail wheel. “The R-4B and a replica of the 1908 Wright Flyer that will also be displayed in the *Army and Society Gallery* are a perfect fit for this area of the Museum. Both are just as much a part of American



R-4B in NMUSA

history as they are part of Army history,” remarked Brigadier General Creighton W. Abrams, Jr. (USA-Ret.), the Army Historical Foundation's (AHF's) Executive Director, during installation of the R-4B.

“Hueys” deployed initially to Vietnam in 1962 and flew a variety of missions, including air assault, cargo transport, search and rescue, electronic warfare, and ground attack. The UH-1B that now hovers above what will be the Vietnam section of the Cold War Gallery is displayed with cast figures—pilot, co-pilot, and door gunner. Equipped to provide fire support with rockets and machine guns for helicopter assaults, ground troops, and motor convoys, the aircraft was flown by the “Cobras,” members of the gun platoon of the 129th Aviation Company, 10th Combat Aviation Battalion. The aircraft was damaged or shot down seven times during eight years' service (1965-1973) before being returned to the United States.



UH-1B in NMUSA

“To have these two particular aircraft featured in the Museum is tremendous,” said Major General Carl H. McNair, Jr. (USA-Ret.), who as the first Chief of Army Aviation shaped the future of the Aviation branch and mentored an entire generation of Army aviators. “Both are historic, both are iconic, and both precisely reflect the unique allure and unrivaled quality of all that this Museum will offer in the years ahead. It'll all be here for our Army to finally share with the public.”

1/6th Scale General Atomics Aeronautical Systems Gray Eagle UAV Unveiled in NMUSA's Experiential Learning Center

Mr. Don Cattell, Vice President of Army Programs at Museum major donor General Atomics-ASI, was on hand (right) for the unveiling of the 1/6 scale model of GA-ASI's MQ-1C *Gray Eagle* unmanned aerial vehicle in the Museum's state-of-the-art, STEM education-focused Experiential Learning Center.

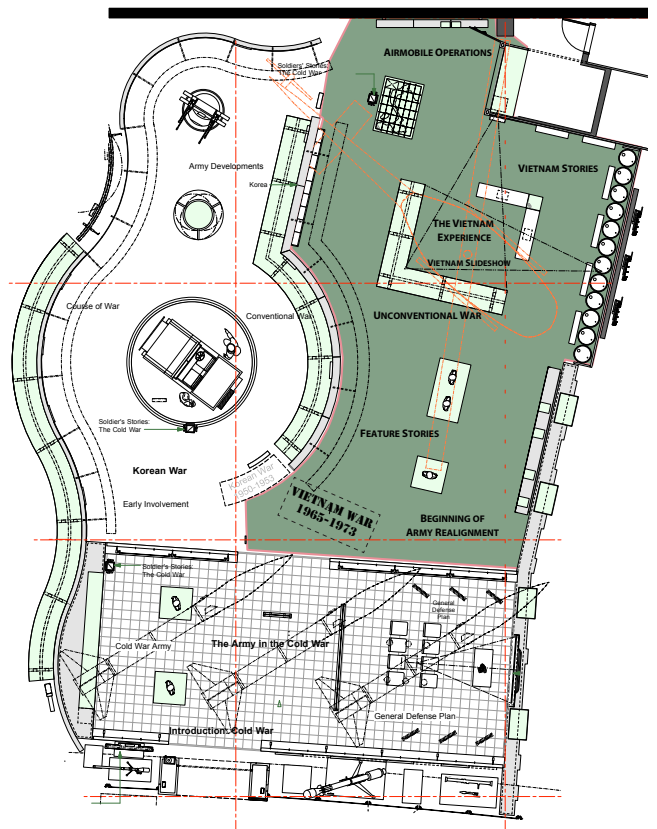
Currently in use by the U.S. Army, the *Gray Eagle* was developed by GA-ASI for the Army as an upgrade of the Air Force's GA-ASI made MQ-1 *Predator* UAV. It first entered combat with the Enhanced Combat Aviation Brigade, 1st Infantry Division that deployed to Iraq with developmental *Gray Eagles* in 2010.



Vietnam War Gallery—\$1,000,000 Sponsorship Opportunity

America's Soldiers served around the world during the Cold War, deterring the Soviet Union from enlarging its communist empire. For 40 years they stood ready to defend Europe against imminent attack by the Warsaw Pact. On the Korean peninsula they prevented North Korea from dominating its southern neighbor, while in Southeast Asia they labored mightily to keep South Vietnam from falling under communist control.

In Southeast Asia, the United States sent advisors to help the South Vietnamese Army combat the North Vietnamese and Viet Cong who wanted to unify Vietnam under a communist government. In 1964, the U.S. began to increase its forces in the country to help bolster a faltering South Vietnamese government. American troop strength rose to 550,000, but the communists never wavered from their goal of dominating South Vietnam. By 1970, America was bringing its troops home, and the Paris Peace Accords finally ended American involvement in January 1973. After the U.S. departure, the Communist North defeated the South Vietnamese Army in April 1975.



Views into the Vietnam War area draw visitors into the space, where they encounter a dramatic media presentation contained by two walls. The walls are artifact cases filled with objects from American Soldiers and their enemies—both the Viet Cong (VC) and the North Vietnamese Army (NVA). The primitive nature of some of the VC equipment provides a contrast to the stories of the formidable enemy contained within. Stepping inside the space, visitors find that the interior walls covered with slowly changing still images that are projected onto all four walls. The images capture the experience of U.S. Army Soldiers in Vietnam, whether an infantry platoon on a search and destroy mission in the jungle, a supply convoy moving tons of equipment, an artillery battery on a fire support base, or a Soldier reading a letter from home. Inside, there is seating for visitors, providing a space for quiet contemplation or discussion of a conflict that still brings up strong—and sometimes conflicted—emotions for those who lived through it. Opportunities for conversations among visitors are created by the inclusion nearby of a large-scale map of Vietnam, where veterans may point out places they served or trace the routes they followed, as well as by the imagery itself, interspersed with facts, figures, and Soldiers' quotes.

Overhead, a UH-1B Iroquois or “Huey” helicopter gunship provides context as well as an opportunity to talk about the greatly expanded use of this aviation technology, which had a sweeping effect on how the Army was supplied, how its wounded were evacuated, and how it fought. Here, visitors learn about the advent and impact of airmobile operations, first proven in combat during the fight at Landing Zone X-Ray in the Ia Drang Valley.

Walls surrounding the central space seem to be constructed from CONEX boxes, these standardized shipping containers used to send supplies to Southeast Asia and then turned by Soldiers to myriad innovative uses from shelters to post offices. Along these walls, visitors encounter a number of feature stories. Prominent among those are oversized personal stories, but also stories of how the Army fought the war in Vietnam, a conflict that, unlike Korea, was not about the control of territory and one which challenged the Army's existing doctrine, performance, and morale. Issues faced by the Army in Vietnam provide an introduction to the story of the beginning of the Army's post-war realignment, exemplified by the formation of the All-Volunteer Force and the commitment to increased reliance on and integration of the Reserve Component into the force structure for future conflicts.

Museum and Campaign Facts

Army Historical Foundation Campaign Facts

- Public-Private Partnership with the Army
- \$200,000,000: Campaign Goal
- **\$171,000,000: Raised to Date**
- Congressionally mandated under 10USC4772 as the Museum's only fundraiser. All funds to construct the Museum must be raised from private sources.
- 201: Major Donors
- 170,000+: Individual Donors

Museum Facts

- 83.7 Acres: Size of Museum Campus
- 185,000 square feet: Main Museum Building Size
- 500,000–750,000: Estimated Annual Visitors
- 150,000+: Honorees In the Soldier's Registry to date
- 58 Army Units: On the Veterans Hall Donor Wall to date
- Museum Campus: Main Museum Building, Army Trail, Memorial Garden, Amphitheater, Parade Field, Vehicle Demonstration Track.

Construction Facts

- 98% :Museum Building Completion Percentage
- The exterior façade is a mixture of stainless steel panels and glass curtain wall. The stainless steel panels weigh about 1,000,000 lbs.
- Approximate quantities of materials to be used:
 - 13,084 cubic yards of concrete
 - 2,059 tons of structural steel
 - 152,500 square feet of metal decking.



Aerial Photo of the National Army Museum Site—March 2019



Aerial Photo of the National Army Museum Site—March 2019



Aerial Photo of the National Army Museum Site—March 2019



Aerial Photo of the National Army Museum Site—March 2019



Museum Entrance—February 2019



Museum Lobby with Army Theater and *Soldiers Stories Gallery* in background—February 2019



Finished Museum Entrance Conceptual Rendering



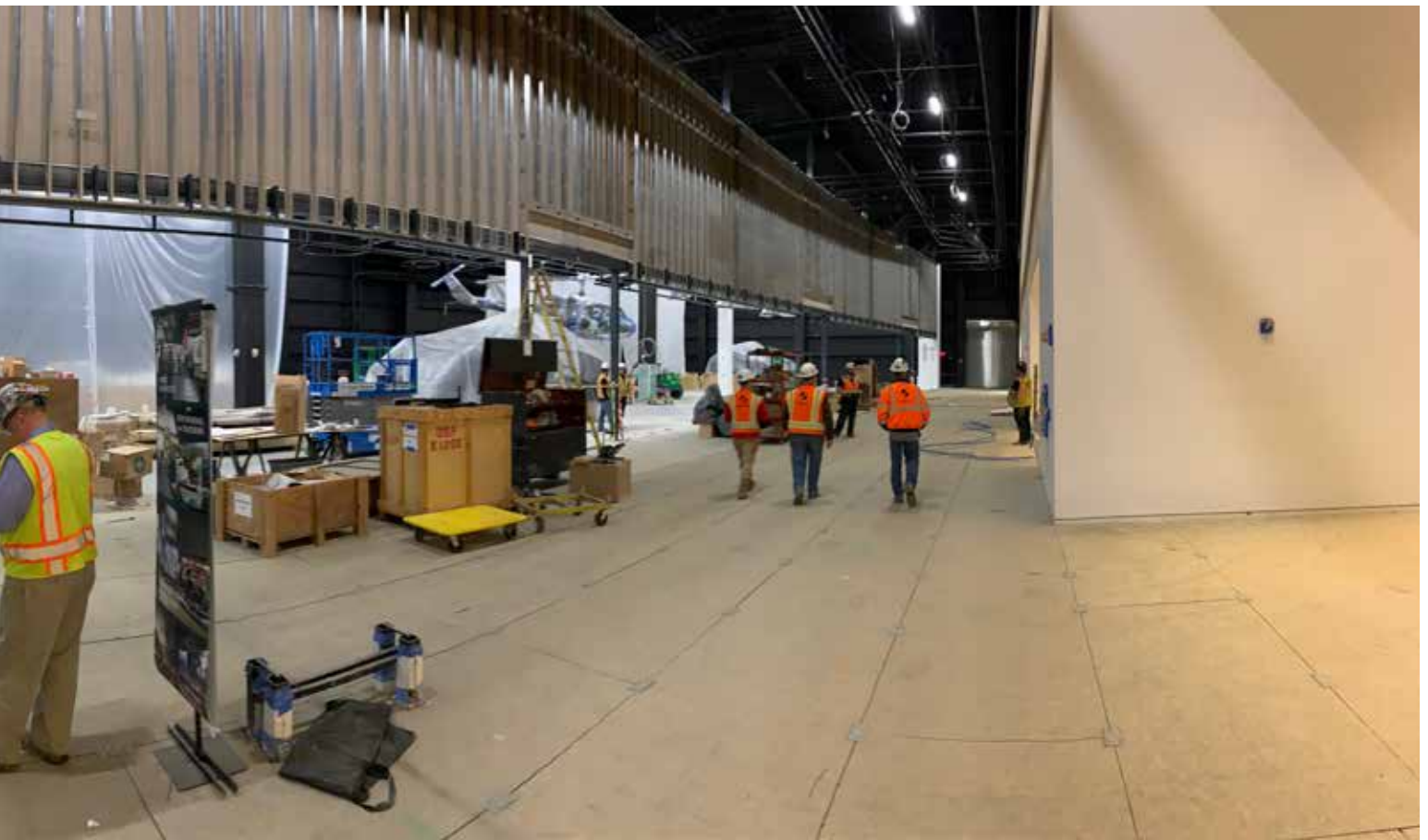
Finished Lobby Conceptual Rendering with Army Seal. Army Theater at left of the Seal.



Army Concourse Panoramic Photograph—Founding the Nation Gallery on Far Left and Changing World Gallery



Army Concourse Most Recent Conceptual Rendering (may not represent finished Concourse)—Founding the Nation



View of End of Concourse at Right, with Lobby of the Army Theater on Far Right—February 2019



View of Westward Expansion Gallery on Upper Left and Changing World Gallery at Lower Right.





First Response DRASH—Tent-February 2019



Move Out! Learning Station—February 2019



First Response DRASH Tent Conceptual Rendering



Move Out! Learning Station Conceptual Rendering



Recognizing Our Donors

Major donor recognition is an integral part of the Army Historical Foundation's Campaign for the National Museum of the United States Army. Individuals, corporations, foundations, and organizations donating \$50,000-\$4,999,999 will be enrolled in five circles of distinction, One-Star through Five-Star. Those contributing \$5,000,000 and more will be recognized in the Commander-in-Chief's Circle.

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PROJECT LIMITS

FORT BELVOIR
GUNSTON GOLF COURSE

OVERFLOW
PARKING

FUTURE
HOTEL

PARKING LOT 'D'

PARKING LOT 'C'

FUTURE TRAIL

PROJECT LIMITS

FORT BELVOIR INSTALLATION BOUNDARY

LIBERTY DRIVE

PARKING LOT 'B'

PARKING LOT 'A'

PARADE
GROUND

GRANDSTAND
PLAZA

DROP OFF LOOP

FUTURE
CHAPEL

MEMORIAL
GARDEN

FUTURE
AMPHITHEATER

FUTURE
FOUNDERS
HALL

ENTRY
PLAZA

MUSEUM

SERVICE
YARD

SERVICE DRIVE

PROJECT LIMITS
FOREST & WILDFIRE CORRIDOR

FAIRWAY

The Museum Experience...

The National Army Museum will be more than just a building. It will be an experience that will engage visitors of all ages emotionally and intellectually in the Army's history and heritage and allow them to experience what it is like to be a Soldier. Visitors will be able to absorb the history of America's Army in a variety of formats. Exhibits will replicate three-dimensional historical contexts by combining cutting edge technologies, inter-activity, carefully selected and positioned artifacts, special effects, and first-person Soldier stories to recreate a sense of time and place and bring action and adventure to the Museum experience.

Contact Us

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