

**DEPARTMENT OF THE ARMY**  
**ARMY NATIONAL MILITARY CEMETERIES**  
*CEMETERIAL EXPENSES, ARMY APPROPRIATION  
FISCAL YEAR (FY) 2023 BUDGET ESTIMATES*



**April 2022**

*Military Construction, Veterans Affairs, and Related Agencies*

**JUSTIFICATION BOOK**

The estimated cost of this report or study for the Department of Defense is approximately \$5,880. This includes \$300 in expenses and \$5,580 in DoD labor.

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**Section I Executive Summary**

**Arlington National Cemetery FY 2023 Funding Profile:**

Army is requesting resources in FY 2023 for Arlington National Cemetery operations as well as for improvements to continue addressing infrastructure revitalization and modernization projects. In total, Army is requesting \$155.9 million in Cemeterial Expenses. Construction funding is \$62.5 million which supports: planning for Memorial Avenue improvements to enhance visitor screening and pedestrian/vehicular traffic flow at \$2.5 million; and, Southern Expansion expenses at \$60 million. Costs have increased as the construction industry is impacted by supply disruptions and material cost escalation coupled with industry-wide labor shortages, and unprecedented inflation, resulting in significant escalation to contractor bids.

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**Supporting Budget Line Item Detail:**

Cemeterial Expenses, Army (CEA)

Operations:	\$68,400	Operations and Routine Maintenance
Infrastructure Modernization:	\$25,000	Infrastructure Modernization Project
Construction	\$62,500	Memorial Avenue & Southern Expansion
<b>Total Funding for ANMC:</b>	<b>\$155,900</b>	

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**Section II Appropriation Highlights**

**MILCON/VA/Related Agency Appropriation Summary:**

	<u>FY 2021 Enacted</u>	<u>FY 2022 Enacted</u>	<u>FY 2023 Requested</u>
<b>Cemeterial Expenses, Army</b>			
Salaries and Expenses	81,815	87,000	93,400
Construction	-	141,000	62,500
<b>Total</b>	<b>81,815</b>	<b>228,000</b>	<b>155,900</b>

**Introductory Statement:**

Army National Military Cemeteries (ANMC) consists of both Arlington National Cemetery (ANC) in Arlington, Virginia, and Soldiers’ and Airmen’s Home National Cemetery (SAHNC) in Washington, D.C. The SAHNC is one of the country’s oldest national cemeteries, marking the final resting place for more than 14,000 veterans, including those who fought in the Civil War. The SAHNC continues to offer a final resting place for residents of the Armed Forces Retirement Home (AFRH) and is operated by ANMC staff.

Arlington National Cemetery and the Soldiers’ and Airmen’s Home National Cemetery are a living history of America. They are the final resting place for the heroes and patriots who built, preserved and protected our great nation from its establishment, during the Civil War, and to the most recent military activities that continue today. From the Soldiers of The Old Guard stepping in solemn vigilance before the Tomb of the Unknowns, to the gravesites of heroes and presidents, to the funerals for families and veterans of ongoing conflicts and wars long over, the memorials and acres of neatly lined white markers serve as a vivid reminder of the price so many have paid to keep our nation safe and free.

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Since 1864, the U.S. Army has been the steward of ANC—an active military shrine that continues to inter or inurn veterans, spouses, and eligible dependents with dignity and honor. ANMC employees, active duty military funeral details, and active duty funeral escort units from the Army, Navy, Marine Corps, Air Force and Coast Guard honor, up to 30 veterans and family members each weekday, and 7-10 on Saturday (approximately 7,000 annually).

ANC is listed on the National Register of Historic Places, which serves as the United States' official list of historic places and districts worthy of preservation. The ANC historic district has over 200 named monuments, structures, and other historically significant objects. In addition to its importance as a sacred national cemetery and memorial to the Service Members of the United States that served our country throughout its history, it is also the final resting place of many Americans of national importance, including presidents, Supreme Court Justices, and countless military heroes. ANC is also significant for its architectural and landscape design created by masters of their craft. The ANC historic district includes the remnants of plantations and military camps spanning nearly a century from the Civil War to the Second World War. It also includes the roads and boundary lines marking Freedman's Village, which were created during and after the Civil War.

ANMC also has a unique public outreach, education, and interpretation mission within the Department of Defense (DoD) serving as one of the most visited sites in the Washington, D.C. area. ANMC strives to connect the cemetery's rich history to virtual visitors and with over three million visitors annually. The cemetery hosts thousands of public and official ceremonies, ranging from heads of state to schools and scouting troops to veterans with the Honor Flights from across the United States and the world. Other notable events include Wreaths Across America which draws over 100,000 public volunteers, the Sunrise Service on Easter Sunday which attracts approximately 5,000 visitors and two national ceremonies each year in the Memorial Amphitheater on Memorial Day and Veteran's Day. The cemetery conveys its rich history and events through the extensive use of social media and through an education program found on our website with numerous modules that convey America's history in the context of the cemetery's history.

The ANC grounds honor those who have served our Nation. Unique among our national cemeteries and landmarks, the impressive landscape of ANC was designated a Level III Arboretum in June of 2018 and serves as a tribute to the service and sacrifice of every individual laid to rest within the hallowed grounds over the past 150 years. The grounds provide a sense of beauty and peace—a solemn place for military families and our nation to mourn—and for our citizens and international guests to explore. The rolling green hills of ANC - across the Potomac River from our Nation's capital are dotted with approximately 10,000 trees complementing the gardens throughout the approximately 677 acres of the cemetery.

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**ANC Administration and Operations:**

10 U.S.C. 7724 establishes the roles and responsibilities of the ANMC Executive Director who has overarching operational responsibility for ANC and SAHNC. ANMC's Executive Director administers the total operational requirements for ANC and SAHNC along with providing policies, standards, and oversight to the Army's 28 other cemeteries under the Office of Army Cemeteries (OAC). The Executive Director's ANC specific authorities and responsibilities include:

- Exercising authority, direction, and control over all aspects of ANC's long-term development and day-to-day administration and operations;
- Formulating, administering, and overseeing plans, policies, and regulations pertaining to development, operation, and management of the Arlington National Cemetery and the Soldiers' and Airmen's Home National Cemetery;
- Overseeing programming, planning, budgeting, and execution of the Cemeterial Expenses, Army Appropriation and other accounts pertaining to ANC's operations; and,

The Executive Director's staff maintains functional expertise in operations, strategic communications, information management, resource management, and engineering. The Executive Director is supported by ceremonial units from the Armed Services to provide funeral honors and memorial services, a detailed staff of chaplains, staff support from Headquarters Department of the Army, and the Arlington Ladies who represent the Service Chiefs and Commandants of each Armed Service at funerals. The Superintendent is responsible for the total management and administration of operations at ANC and SAHNC. There are three directorates: Interments (Services, Operations) and Engineering (Design and Construction, Facilities, Horticulture, Environmental, Planning, Real Property, and Cultural Resources); and support staff under the direction of the Chief of Staff (Resource Management, Human Resources, Contracting/Logistics, History, Public Affairs and Outreach, Operations and Security, Safety and Strategic Plans).

In exercising authority, direction, and control over all aspects of ANC's long-term development, day-to-day administration, and operations the Executive Director focuses on ANC's mission, vision, objectives, and lines of effort:

- **ANMC Mission:** Arlington National Cemetery represents the American people for past, present, and future generations by laying to rest those who have served our nation with dignity and honor while immersing guests in the cemetery's living history.
- **Vision:** We are privileged to honor the service and sacrifice of those laid to rest at ANC and SAHNC. This solemn and honorable duty is captured as a singular vision that drives what we do each and every day; great people honoring service and sacrifice to a grateful Nation.
- **Objectives:**



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- Honor the fallen and sustain accountability.
- Preserve our hallowed grounds.
- Synchronize and sustain Arlington National Cemetery for the future.
- **Values:** All of our efforts must help ensure that ANC remains a place for every generation to Honor, Remember and Explore the depths of the creation of this great nation and the heroes that have made incredible sacrifices for freedom.
  - **Honor** – Honor the service and sacrifice of our eligible military members, veterans, and their family members with dignity, compassion, and accountability.
  - **Remember** – Remember the sacrifices of those from each generation who have answered the call to serve by preserving cemeteries befitting of their sacrifices.
  - **Explore** – Enable our guests to explore the rich, living history of our cemeteries and gain an appreciation for those who have defended our freedom and helped shape our Nation’s history.

**Description of Operations Financed:**

The Military Construction, Veterans Affairs, and Related Agencies (MILCON/VA) appropriation, under Title III – Related Agencies: Cemeterial Expenses, Army, provides ANC with its funding. These are a combination of one-year and multi-year funds which cover salaries and expenses related to operation & maintenance, construction, and infrastructure revitalization projects at both Arlington National Cemetery and the Soldiers’ and Airmen’s Home National Cemetery.

Operation & maintenance funding allocations support and sustain daily operations for funerals, ceremonies, and memorializations. Funding provides for the care and upkeep of gravesites and niches, grounds maintenance, upkeep of facilities and other infrastructure assets, and procurement of support equipment. Due to the transfer of Memorial Avenue from National Park Service (NPS) as part of the 2020 National Defense Authorization Act (NDAA), ANC assumed additional maintenance costs relating to turf, shrub, tree, fountain, hemicycle, and the exterior of Women in Military Service for America (WIMSA) memorial maintenance which were added to existing contracts and facilities sustainment projects. ANC also anticipates significant one-time costs in order to bring neglected infrastructure along Memorial Avenue to an acceptable standard. Funding allocations additionally address requirements for maintenance and repair of ANC infrastructure such as facilities, roadways, water and sewer utilities and cultural resources upkeep. ANC leases uniforms for wear by federal wage system personnel to provide for a consistent and professional

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appearance in a high visibility environment and to easily identify them to the families and the public on cemetery grounds. Investments made in support equipment, such as excavators, innovative utility vehicles, and other productivity-enhancing equipment, have enabled ANC to operate with greater effectiveness and efficiency. Implementing cutting edge equipment technology enhancements has reduced the physical impact of burial activities to the grounds, reduced risk of injury to employees, and improved the visible presence to families.

Security enhancements include visitor screening at designated entry points, visitor information assistance at key locations within the cemetery, and vehicle/pedestrian traffic control. Additional measures that enhance security and reduce risk to families, visitors and ANC's workforce are CCTV camera system, proper speed enforcement signage, and a Dual Authentication Common Access Card (CAC) system. These measures allow ANC's security team to monitor and control access into and around the cemetery further ensuring the security and safety of ANC visitors, employees and guests. This request includes funding to begin the planning effort to improve and enhance visitor screening and pedestrian/vehicular traffic flow into the land transferred during the 2020 National Defense Authorization Act.

Infrastructure revitalization funding for capital improvement projects aids in preserving Arlington National Cemetery as a national shrine while maintaining its quality, dignity, and central function as a military burial ground well into the future. Key capital improvement projects ensure ANMC is able to accomplish its mission now and for the future.

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**Appropriations Language:**

MILITARY CONSTRUCTION, VETERANS AFFAIRS' AND RELATED AGENCIES (TITLE III – RELATED AGENCIES)  
CEMETERIAL EXPENSES, ARMY  
SALARIES AND EXPENSES

For necessary expenses for maintenance, operation, and improvement of Arlington National Cemetery and Soldiers' and Airmen's Home National Cemetery, including the purchase or lease of passenger motor vehicles, lease of uniforms for federal wage system personnel, and not to exceed \$2,000 for official reception and representation expenses, \$93,400,000 of which not to exceed \$15,000,000 shall remain available until September 30, 2025. In addition, such sums as may be necessary for parking maintenance, repairs and replacement, to be derived from the "Lease of Department of Defense Real Property for Defense Agencies" account.

CONSTRUCTION

For necessary expenses for planning and design and construction at Arlington National Cemetery and Soldiers' and Airmen's Home National Cemetery, \$62,500,000, to remain available until expended, of which \$2,500,000 shall be for study, planning and design, and architect and engineering services for Memorial Avenue improvements project at Arlington National Cemetery; and \$60,000,000 shall be for planning and design and construction for the Southern Expansion project.

Sec. 301. Amounts deposited into the special account established under 10 U.S.C. 7727 are appropriated and shall be available until expended to support activities at the Army National Military Cemeteries.

**Appropriations Language Narrative:**

The \$155.9 million request in the Cemeterial Expense, Army – Salaries and Expense and construction accounts, supports Arlington National Cemetery and Soldiers' and Airmen's Home National Cemetery for the purpose of daily operations, addressing historical structure restoration, facilities restoration, modernization issues, planning and design and expansion.

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**Section III                      Budget Detail**

**Appropriation Summary of Price/Program Growth:**

Cemeterial Expenses, Army <u>Description</u>	<u>FY 2021 Program</u>	<u>FY 2022 Program</u>	<u>FY 2023 Program</u>
21-1805-0-1-705			
Operation and Maintenance	56,815	62,000	68,400
Infrastructure Modernization	25,000	25,000	25,000
21-1809-0-1-705			
Construction (SE / Memorial Ave)		141,000	62,500
<b>Total</b>	<b>81,815</b>	<b>228,000</b>	<b>155,900</b>

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**Appropriation Summary- By Object Class:**

Cemeterial Expenses, Army 21-1805-0-1-705		FY 2021	FY 2022	FY 2023
OC	Description	Actual	Estimate	Estimate
11110	FULL-TIME EQUIVALENTS	15,984	17,062	19,528
11510	OTHER PERSONNEL COMPENSATION	512	605	695
12110	CIVILIAN PERSONNEL BENEFITS	5,920	6,511	7,423
21010	TRAVEL	534	301	301
23310	COMMUNICATIONS, UTILITIES, AND MISC.	2,936	1,330	1,936
24010	PRINTING AND REPRODUCTION	25	20	30
25110	PROFESSIONAL SPT SVC	-	-	
25210	CONTRACTING	34,741	36,874	35,755
25310	INTRAGOV PURCH	-	-	
25410	FACILITY O&M	22,538	-	
25710	EQUIP MAINT BY CONTRACT	-	-	
26010	SUPPLIES & MATERIALS	1,471	1,471	1,471
31010	EQUIPMENT	420	420	420
32010	LAND AND STRUCTURES	25,926	27,841	25,841
	<b>TOTAL</b>	<b>111,007</b>	<b>92,435</b>	<b>93,400</b>

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**Reconciliation of Appropriations and Obligations Including Carry Over & Recoveries:**

Cemeterial Expenses, Army: 21-1805-0-1-705/ 21-1809-0-1-705	<b>Operation &amp; Maintenance (0861)</b>	<b>Administration (0864)</b>	<b>Construction/ Infrastructure Revitalization (0865/0866)</b>	<b>ANC Major Construction (1809)</b>	<b>Totals</b>
A. FY 2021 Appropriation (Allocations)	56,815	-	25,000	-	81,815
B. Rescission of FY 2020 Authority	-	-		-	
C. Allocation of Carry Over & Recoveries from PY	1,150	251	6,460	176,771	184,632
D. FY 2021 Total Budgetary Resources Available	57,965	251	31,460	176,771	266,447
E. FY 2021 Obligations (a/o 30 Sep estimated)	56,815	-	54,192	65,344	176,351
F. FY 2022 Appropriation (Allocations) Estimated	62,000	-	25,000	141,000	228,000
G. Recession of FY 2021 Authority	-	-		-	-
H. Allocation of Carry Over & Recoveries from PY	1,123	251	12,510	106,963	120,847
I. FY 2022 Total Budgetary Resources Available	63,123	251	37,510	247,963	348,847
J. FY 2022 Planned Obligations	62,000	-	25,000	247,963	334,963
K. FY 2023 Appropriation Planned (Allocations)	68,400	-	25,000	62,500	155,900
L. FY 2023 Planned Obligations	68,400	-	25,000	62,500	155,900
M. Change (FY 2021 vs FY 2022)					
1. Appropriation (Line K minus Line F)	6,400	-	-	(78,500)	(72,100)
2. Obligations (Line L minus Line J)	6,400	-	-	(185,463)	(179,063)

\*Row H carry over totals are derived from Dec End of Month final 1002 reports.

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- **Operation & Maintenance (086100)** – One-year funding supports day-to-day operations of the Arlington National Cemetery, including planning and execution for about 7,000 interments and inurnments annually, as well as routine repairs made to facilities, contracted services, and horticultural work at Arlington National Cemetery and the Soldiers’ and Airmen’s Home National Cemetery. Funding shown in Object Class 31 is included in these estimates.
- **Sustainment, Restoration and Modernization (086500/086600)** – Multi-year funding supports ANC's infrastructure renovation, sustainment and maintenance of ANMC facilities, utilities and roadways. Created in FY 2013 to address the SRM backlog.
- **ANC Major Construction (1809)** – No-year funding supports ANC's expansion efforts in construction of facilities and land improvements for expanded burial capacity.

**Section IV Financial Summary**

**Financial Summary (Appropriations): Increases and Decreases:**

FY 2022 Enacted (Cemeterial Expenses, Army: 21-1805-0-1-705/21-1809-0-1-705)	\$228,000
Congressional Adjustments	\$0
Requested Amount	\$228,000
Anticipated Program Increases	+\$6,400
Annualization of FY 2023 New Programs	\$0
Recurring Service and Support Cost Increases	\$3,488
Civilian Staffing (Compensation & Benefit Costs Only)	\$2,912
Land & Structures (Infrastructure Modernization)	\$0
Anticipated Program Decreases	-\$78,500
Annualization of FY 2023 Program Decreases	\$0
One-Time Cost Decreases (removal of Congressional Adjustment)	\$0
Travel and Transportation of Persons Cost Decreases	\$0
Utilities, Rents, and Communication Cost Decreases	\$0
Contracts	\$0
Reproduction Cost Decreases	\$0
Land & Structures (Infrastructure Modernization) Decreases	-\$78,500
FY 2023 Budget	\$155,900

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**Section V Personnel Summary**

**ANC Personnel Requirements:**

Army conducted a manpower review of ANMC in FY 2020 which validated an increase to the organizational structure and total manning levels for Arlington National Cemetery’s mission, functions, authorities, and command and staff relationships within the Army. ANMC is actively hiring all vacant positions and is requesting funding for the additional validated positions, which directly support the Administration’s proposals of centering equity across work of the Federal government, empowering, rebuilding, and protecting the Federal workforce, delivering services effectively, and enhancing Federal IT and cybersecurity. Additionally, ANMC’s FTE utilization rate continues to increase and the attrition rate decreases, making it imperative that the additional funding is received.

	<b>FY 2021 Actual</b>	<b>FY 2022 Enacted</b>	<b>FY 2023 Requested*</b>	<b>Change</b>
Active Military End Strength Total	14	14	14	0
Officer	9	9	9	0
Enlisted	5	5	5	0
Civilian Full-Time Equivalents (FTE) Total	201	201	219	18
<b>Total Military/FTEs</b>	<b>215</b>	<b>215</b>	<b>233</b>	<b>18</b>
Average Annual Civilian Salary Cost				
General Schedule (GS) Graded Positions	\$120.08	\$133.39	\$138.92	\$5.53
Federal Wage Grade (WG) System Positions	\$85.58	\$95.45	\$98.95	\$3.49

\*Includes an additional 18 of 31 FTE validated during the FY 2020 manpower study.



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## Section VI Supporting Budget Priorities

### **Background:**

Arlington National Cemetery is a national treasure. Preserving this asset well into the future and maintaining its quality, standing as a National Shrine, and central function as a military burial ground are paramount to Army leadership. The ANMC budget identifies key capital improvement projects and infrastructure modernization projects, which maintain and sustain safety, security, cultural, and environmental requirements.

### **Supporting DoD and Army Priorities:**

- **Department of Defense Priority – Preserve and Enhance the Force:** This request is critical to continuing Army National Military Cemeteries' mission and preserving ANC as a national shrine for generations to come.
- **Army Priority:** ANC must continue to revitalize and maintain infrastructure systems to provide an effective and safe environment for conducting daily burials, hosting ceremonies and hosting visitors in a manner that honors our Nation's veterans.
- **Objectives:** ANMC is pursuing three objectives in order to accomplish its sacred mission:
  - **Honor the Fallen & Sustain Accountability.** ANMC's decisive operation—its core mission—is to honor our Nation's fallen military heroes as they are laid to rest in solemn repose. At its end state, "Honor the Fallen" ensures that each family feels that they were served by a professional and compassionate staff that scheduled and conducted the final tribute to their loved one flawlessly; the family leaves feeling their needs were met and entrusting their loved one to the care of ANC with full faith and confidence in ANC; and the permanent commemoration is erected free of error and in a timely manner. We continue to optimize information technology to accomplish this objective. As an active cemetery, this objective most importantly focuses on the conduct of flawless interment operations and execution of the six-step chain of custody. ANC Explorer, ANC Mapper and the ANC website are examples of information technology solutions utilized to deliver ANC's mission. Efforts continue to enhance the auditable systems of record to include ongoing migrations to the cloud, which provides optimization of computing power to improve network bandwidth, decrease system outages, improve cybersecurity monitoring and reduce overall risk to network availability. The enhanced data availability and increased operational efficiencies benefit internal (ANC employees)

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and external (the public) users of the systems. Ongoing development and implementation of an Enterprise Interment Services System further codifies and sustains the accountability processes.

- **Preserve these Hallowed Grounds.** This objective ensures that ANC's grounds, memorials and facilities continue to honor the veterans and their families who have served the nation by providing a sense of beauty and peace. In 2018, we began capturing data for infrastructure maintenance work. This ongoing effort will assist in determining the annual cost of recurring maintenance and infrastructure. In 2014 ANC negotiated a programmatic agreement with the Advisory Council on Historic Preservation and the Virginia State Historic Preservation Officer under the National Historic Preservation Act of 1966 for the use, sustainment, and conservation of 200+ historic structures. Bi-annually we assess the condition of all historic structures and prepare environmentally sound treatment recommendations which determines upcoming restoration project priorities and guide routine preservation work. As a national shrine, ANC's impressive 639-acre landscape also requires constant attention and improvements to maintain and enhance its designed and natural beauty and native environment. In April 2018, ANC was awarded Level III arboretum accreditation, by the ArbNet Arboretum Accreditation Program and the Morton Arboretum for achievements in meeting specific standards for arboreta and botanic gardens and ANC continues to maintain this designation. Great care is taken by dedicated cemetery employees and contract staff working tirelessly throughout the year to ensure the grounds are maintained to the highest standards. In 2014 and 2018, ANC received stormwater permits authorizing ANC to discharge stormwater collected by their storm sewer systems to waters of the United States, specifically tributaries of the Chesapeake Bay. ANC has over thirty (30) stormwater best management practices. These stormwater practices provide a beautiful and functional landscape for improving water quality of the Chesapeake Bay. At its end state, this objective ensures that ANC's physical setting is kept at national shrine standards, which enhances the experience for visitors and families coming to mourn for and honor our Nation's military heroes.
- **Synchronize & Sustain Arlington National Cemetery for the Future.** Our goal is to synchronize cemetery activities, which includes maximizing burial opportunities by revising eligibility criteria, allowing for more contiguous interment space via the Southern Expansion project, and implementing the ANC Interment Management Plan that will prioritize land use, equipment locations, and optimize utilization of resources. Leveraging technology and industry innovations will allow ANC to adapt to new burial procedures and techniques, and changing family desires during their time of need, while sustaining the iconic nature of the cemetery, and extending operations, well into the future.
- **Infrastructure Modernization Projects:** ANC continues to execute sustainment, restoration and modernization (SRM) of its previously long-neglected infrastructure. With few exceptions, ANC has completed work on failing systems and is now modernizing the remaining infrastructure in a systematic manner while implementing management systems to track, forecast and program for SRM.

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(\$ in Thousands)

- **General Building Repair** – This project category is transitioning from urgent sustainment activities to preventive maintenance and SRM. This includes addressing public accessibility shortfalls that are a significant concern given the high number of aging veterans and wounded warriors who visit ANC. In July 2020, ANC completed work on the extensive renovations for the Administration Building; completing a 3-year, \$13.8 million project. This project modernized the administrative offices of the cemetery but also rehabilitated the meeting rooms for families coming to bury their loved ones. During FY 2022, ANC will complete the installation of an ADA-compliant ramp at Memorial Amphitheater. Facilities still requiring upgrades include the main floor and basement of the Welcome Center, the interior of Memorial Amphitheater, and the Receiving Vault.
- **Road Rebuilding & Repair** – ANC has completed work on over half of the 12 miles of roadway identified in 2011 as requiring repair or rebuild. Road rebuilding continues at a deliberate pace throughout the cemetery to minimize impacts to burial operations. In FY 2020, we completed work on two major road projects – one in the northern part of the cemetery and one in the south. We have now begun work on a major road project on the western side of the cemetery with completion scheduled for 3<sup>rd</sup> Quarter, FY 2023. A second smaller road project began in FY 2021. Going forward, ANC has one major road project per year scheduled for the next three years. These road projects include replacement of storm water systems and installation of stormwater best management practices to comply with regulatory requirements as well as adding conduits to support the future expansion of the cemetery Wi-Fi network, which supports burial operations, cemetery visitors, and public outreach.
- **Historical Stonework/Masonry Repairs** – This project category addresses rebuilding the crumbling flagstone sidewalks, paved plazas and the historic stone boundary walls throughout ANC. Areas posing safety hazards for visiting families and the public have already been addressed in the columbarium courts, amphitheaters, and JFK gravesite. Cleaning and preservation of the several columbarium courts was completed in 2019 with another major restoration that began in FY 2022. Large sections of the ANC boundary wall remain in poor condition including two areas in Section 50 that completely failed in May 2020. Those failed sections were permanently repaired under a separate project in early FY 2021. A larger, multi-year restoration project for the boundary wall began in late 2021, with phased repair and construction projects anticipated through the next five years. Finally, ANC began construction on the restoration of the Ord and Weitzel Gate in late 2021.
- ANC completed a multi-year study to identify the best treatment method to remove biofilm from the Memorial Amphitheater and successfully applied the treatment to the entire structure with excellent results. A follow-on contract to the Amphitheater to repair crumbling masonry, remove staining, and repair joints began at the end of FY 2020 and was completed in time for the 100<sup>th</sup> Anniversary of the Tomb of the Unknown Soldier (TUS) in November 2021. Finally, ANC conducted multiple repairs and restoration projects to the TUS Plaza including: biofilm treatment

DEPARTMENT OF THE ARMY  
ARMY NATIONAL MILITARY CEMETERIES  
FISCAL YEAR (FY) 2023 BUDGET ESTIMATE  
Military Construction, Veterans Affairs, and Related Agencies  
Cemeterial Expenses, Army  
(\$ in Thousands)

to the TUS, masonry repairs to the TUS ledger stones, rust removal and leveling to the granite paving stones, and brass cleaning and restoration to the railings on the plaza.

- **Sustainment of Infrastructure** – ANC implemented a new system to schedule and track repair requests and provide condition assessments. We also continue our partnership with the NPS to document the condition of our historic structures and develop a prioritized list of future restorative work. One of the important and unique focus areas of preventative maintenance includes restoring, cleaning and maintaining the numerous monuments and memorials throughout the Cemetery that contribute to its listing on the National Historic Register of Historic Places. ANC also conducted an assessment of the property transferred along Memorial Avenue from NPS to prioritize the restorative work required to bring it to National Shrine standards consistent with all property at ANC. Extensive work has already begun in this area to include the restoration of the historic hedge, turf renovation, irrigation system installation, and fountain repair. In the spring of 2021 ANC completed a rehabilitation project of the TUS guard shack which provides Tomb Sentinels relief from the elements and is an important component of ANC's iconic viewshed. In FY 2022, ANC will begin the design effort for phase 1 renovation of the interior space of the Amphitheater which includes the Tomb Sentinel quarters, the offices, the display rooms and lower level chapel.
  
- **Underground Utilities & Drainage** – ANC continues to modernize the entire water network and the most deteriorated sections of the storm drain lines, but significant work remains to modernize the sanitary sewer system. Storm drains are now being repaired or modernized in conjunction with road projects to accomplish construction/economic efficiencies as well as reduce operational impacts to the cemetery. Through the Utility Modeling Project, the entire stormwater system is currently being inspected and diagnosed to provide an accurate assessment for future work, and we are completing a contract to identify and document old, subsurface structures and lines that have been emplaced over the past 150+ years. This project is scheduled to be completed in FY 2022. ANC will execute a major sanitary sewer infrastructure replacement project in early FY 2023.