Current and Future State of Army National Military Cemeteries

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Executive Director

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UNCLASSIFIED
Our Nation’s unique and iconic resting place for those who have made a significant sacrifice and commitment to the defense of our country in the Armed Services.”

– Honor Subcommittee, Advisory Committee on Arlington National Cemetery
Responsibilities for Directing Army National Cemeteries defined in 10 USC

Two Roles / Responsibilities
- Two organizations / TDAs
- Separate funding
- Both roles report directly to the Sec Army

41 Named Army Cemeteries
- National Cemeteries (2)
- Post cemeteries (26)
- Contracted plots in private cemeteries (3)
- Criminally incarcerated cemetery (1)
- Enemy Prisoner of War cemeteries (5)
- Native American cemeteries (4)
41 Named Army Cemeteries*

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* Does not include 600+ private cemeteries on Army property
Initiatives

- Native American children repatriation from Indian Industrial School, Carlisle Barracks
- Japanese repatriation from Presidio of Monterey (complete)
- West Point cemetery Molly Corbin resolution (pending)
- Potential cemetery divestiture of ten Army cemeteries (near BRAC posts) to VA-NCA

Assistance

- Office of Cemeteries Acquisition Review Board (oCARB)
- Repair work to Benecia, CA cemetery drainage system
On behalf of the American people, lay to rest those who have served our nation with dignity and honor, treating their families with respect and compassion; in addition, connect visitors to the rich tapestry of the cemeteries living history while maintaining the hallowed grounds in a manner befitting the sacrifice of all those who rest there in solemn repose.

**Primary focus:** Taking care of veterans and their families

**Being perfect - every service, every day**

**Readiness**
- Our sacred mission
- Ready equipment, ready people
- Right resources, right time
- Sustainment, always

**Taking care of people**
- Managing OPTEMPO
- Training right people, right job
- Enhancing security
- Enhancing technology
- Building team relations

**Future of ANC**
- Increasing the lifetime
- Cemetery expansions
- Eligibility
A Cemetery - Our primary mission (every day is Memorial Day at ANC)
- 160 services a week: Average 30/day, 5 days a week
- 7140 services conducted during FY16
- Only 1 of 2 national cemeteries operated by the U.S. Army
- All other 135* national cemeteries are operated by the VA

Eligibility & unique military honors
- Different from VA cemeteries
- In ground and columbarium

Demand and scheduling
- Average of 37 new requests per day, 7 days a week
- Military Honors most significant challenge (resources)

Peace of Mind
- Detailed/formal, verified chain with vigilant positive control
- Structured transfer of custody

* https://www.cem.va.gov/CEM/about/index.asp
- ~ 4 Million visitors a year - Open 365 days
  - Security Enhancements
- Two national events: Memorial Day and Veterans Day
- Distinguished visitor/public events
  - 2600 Public wreath layings
  - 700+ Honor Flight buses
  - 100+ DV wreath layings
- Host miscellaneous events
  - Wreaths Across America (WAA)
  - Organizational annual memorial services

A Continuous Challenge to Maintain the Balance: Funeral Services (Private) and a National Shrine (Public)
ANC Mapper System

ANC Mapper is a Geographic Information System (GIS):
- Scheduling grave/niche locations
- Deconflicting funeral routes
- Tracking field operations status
- Identifying: scheduled events
- Executive dashboard

Each headstone has been collected and new interments captured

ANC Explorer 2.0
- "App of the Year," by Federal Mobile Computing in Jan 2013
- Listed in "GovLoop's Guide": 20 Innovations that Mattered in 2013

Public website:
- Essential information to families and funeral homes
Significant Project Snapshot

**Operational Capability**
- Administration building renovation
- Funeral procession queuing area
- Completing the Tomb of Remembrance
- Completing salt, sand, soil storage facility

**Infrastructure and Utility Upgrade**
- Road repair
- Waterline replacement
- Storm water and sewer
- Electrical privatization
- Columbarium flagstone repair

**Planning & Resource Management**
- Update the ANC Master Plan
- Acquire and implement an asset management system
- Acquire and implement a service order system
- Environmental compliance and cultural resource preservation

**Improve the cemetery’s operational capabilities, fix lingering infrastructure problems, and develop a plan to sustain it all**
### Engineering Update of Activities for 30 May to 07 Jun 2017

<table>
<thead>
<tr>
<th>#</th>
<th>Project</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Millennium</td>
<td>Landscaping, sidewalks, Granite panel installation (est. complete 03/Jul)</td>
</tr>
<tr>
<td>2</td>
<td>Electrical Privatization</td>
<td>Continue work behind Parking garage. Utility potholing behind admin next week. Excavation following.</td>
</tr>
<tr>
<td>3</td>
<td>CMB Flagstone</td>
<td>Flagstone installation ongoing.</td>
</tr>
<tr>
<td>4</td>
<td>Storm Drain Ph 1 &amp; 2</td>
<td>Repoint Stone wall and begin line in Sec 10/12 next week.</td>
</tr>
<tr>
<td>5</td>
<td>Trash/Recycle bins</td>
<td>Trash receptacles ordered 9 March, delivery ~ 1 June 17</td>
</tr>
<tr>
<td>6</td>
<td>Tomb of Remembrance</td>
<td>Fence removed. Punchlist work.</td>
</tr>
<tr>
<td>7</td>
<td>Columbarium Waterline</td>
<td>Mobilized to remove old vaults and make waterline connections near CC1, 2, 3</td>
</tr>
<tr>
<td>8</td>
<td>Funeral Queuing</td>
<td>Ph 2 South: Concrete paving &amp; curbs, grading, bio-retention excavation, remove unsuitable soil, eval signage. Ph 2 North: Wheel stop replacement, tree replacement, turn over to Govt. Directional boring fence installation 5 June.</td>
</tr>
<tr>
<td>9</td>
<td>Irrigation Upgrade</td>
<td>Scheduling continued work at all sites.</td>
</tr>
<tr>
<td>10</td>
<td>Old Post Gate Preserve</td>
<td>Install temporary gate 5 June after last funeral.</td>
</tr>
<tr>
<td>11</td>
<td>SAHNC Mothball</td>
<td>Electrical &amp; HVAC recirculation installation this week.</td>
</tr>
<tr>
<td>12</td>
<td>Tanner Rehabilitation</td>
<td>Stucco test patches cont. Final bronze coating to applied.</td>
</tr>
<tr>
<td>13</td>
<td>SAHNC sinkhole</td>
<td>Material ordering and submittals underway. CCTV Complete.</td>
</tr>
<tr>
<td>14</td>
<td>JFK Walkway Resurfacing</td>
<td>Requires discussion of potential risks and options scheduled for 1 June</td>
</tr>
<tr>
<td>15</td>
<td>Sheridan Gate Restor.</td>
<td>Onsite work continues for Dutchman repairs.</td>
</tr>
<tr>
<td>16</td>
<td>USS Maine Memorial</td>
<td>Roof paver removal complete. Gutter Removed. Continue work on roof.</td>
</tr>
</tbody>
</table>

### Upcoming Awards

<table>
<thead>
<tr>
<th>Project</th>
<th>Scope</th>
<th>Advertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin Building Renovations</td>
<td>Renovate interior of this unique and historic structure that serves visitors attending funeral services</td>
<td>Jan 18</td>
</tr>
<tr>
<td>Amphitheater Interior Renovation</td>
<td>Address living and workspace issues in the lower level of the amphitheater</td>
<td>3rd QTR18</td>
</tr>
<tr>
<td>Ord &amp; Weitzel Gate Relocation</td>
<td>Install newly restored historic gate including twin 22 foot tall stone Columns</td>
<td>Mar 18</td>
</tr>
<tr>
<td>Road Rebuild - Lee Drive</td>
<td>Design/Construction to revitalize this small roadway adjacent to Lee Mansion</td>
<td>3rd QTR18</td>
</tr>
<tr>
<td>Sanitary Sewer Line Repairs/Relocation</td>
<td>Replace/relocate sewer lines in portions of ANC</td>
<td>Feb 18</td>
</tr>
<tr>
<td>Boundary Wall Repairs / Improvements (Design Work)</td>
<td>Comprehensive contractor to repair all areas where the historic wall is failing</td>
<td>2nd QTR18</td>
</tr>
</tbody>
</table>

### Notes

- Chaffee Lot restriping scheduled for early June weekend. All cars need to be off the lot. Further notice to follow.
- Awaiting response from VDEQ on Ord and Weitzel Road.
- Sewer pump replacement at 123 pumping station starting 2 June.
In the past...

...just as rates of burials and Honors have changed...
So has the geographic footprint of the cemetery.

Old ANC maintenance area and Fort Myer picnic area (Millennium)

Expansion to accommodate repatriation from Spanish-American War and World War 1 (also timeframe of Veterans of the War of the Rebellion reaching approximately 50 years of age – *life expectancy in 1900 was 46.3 years*)

Original military cemetery area

Old South Post Fort Myer (timeframe of JFK death, eligibility restrictions, National Cemeteries Act, Vietnam War, Korean War Veterans reaching 20 YOS, WWI Veterans reaching their 70’s in age)

* University of California, http://u démog.berkeley.edu/~andrew/1918/figure2.html
Expanding the cemetery

Marine Corps War Memorial – 18.05 usable acres* +4.5 years

VA 110 Metro line and station

Private property – mixed use

Historic Ft. Myers
Military quarters
Funeral honors support staging
Post Exchange

Military community support:
Commissary, Youth services, Medical clinic
37 acres* – not all usable
+9 years if everything razed and all roads removed

Henderson Hall
USMC Exchange
USMC HQ
Other support facilities
25 acres* +6.25 years

*estimates are based on current policy and historical trends.
Millennium Project
27 acres
- Over 27K burial opportunities
- Extends capacity to early 2040s
- Complete in 2017

Southern Expansion
- 37-40 acres
- Extends capacity to mid-2050s
- In planning
The Millennium Project Summary

Key information
Already was federal land
Consisted of land from Ft. Myer, NPS, and ANC’s former maintenance facility
Both above ground and below ground graves add to capacity
First use of pre-placed crypts in ANC

Key influencing factors
• Topography of the area
• Section 106 of the National Historic Preservation Act carefully considered impacts to the multiple Historic Districts and monuments located near the project site.
• NEPA carefully considered impacts to natural resources, including a full analysis of existing trees on and adjacent to the project site
• Design required numerous retaining walls to make the challenging topography useful for burial space. An existing perennial stream required protection and restoration.
• Maximizing burial space, to include both above and below ground opportunities
  • New below ground techniques

Acres: 27
Graves: 27,282
Cost of property: $28,044.10
Project cost:
  Construction cost appropriated - $81,725,302.00
  Millennium storm water project contract award - $6,600,000.00
  Cost per burial opportunity: $2,995.58
Taxpayer investment to buy each year of extended cemetery life: $13,027,760.00

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Consisted of land from Ft. Myer, NPS, and ANC’s former maintenance facility
Both above ground and below ground graves add to capacity
First use of pre-placed crypts in ANC

Clinton presidency 1997
G.W. Bush presidency 2001
2005 Obama presidency

PL 106-65 authorizes transfer of land to ANC
Pre-design study begins
Land transfer occurs
Design begins for storm water management and interment areas
60% design submitted to CFA
Construction projected to begin
Revised design concept complete
Construction begins
Expected opening of burial sections

*estimates are based on current policy and historical trends.
Capacity & available space
- Millennium
- Southern Expansion
- Geographically constrained location
- Other adjacent areas?

100% capacity in 25 years*

High demand and the eligible population (past, current, & future)

The future of America’s cemetery

“...well into the future.”

Feasible, acceptable, and suitable options and/or actions

*new graves
According to the Veterans Administration, there are over 21,000,000 Veterans alive today. ANC can only provide services for 1% of eligible Veterans or their families at their time of need.

Arlington National Cemetery will close for 1st burials – including those Killed in Action (KIA) or died on Active Duty - within the lifetime of many of those reading this slide.

With current policies, Veterans of the Gulf War, Somalia, OIF, and OEF era cannot expect to be buried at Arlington National Cemetery, even if awarded the Medal of Honor.
...necessary to ensure that the maximum interment and inurnment capacity of the cemetery is not reached until well into the future...

Maintain current eligibility
Adopt VA 24 month active duty service minimum
Retirees with certain lengths of service
KIA, active duty deaths, and qualifying awards
KIA, active duty deaths, and Medal of Honor only
KIA and Medal of Honor only
Change eligibility for in-ground burial only
Southern Expansion
Expand to adjacent government land
Establish new DoD-run national cemetery
Find new ways to use existing space
Preserve a certain number of in-ground plots for KIA/AD/MoH
Prohibit use of ANC space for monuments
Enhance VA honors to mirror ANC
Strategy

- To invite stakeholders to join the national dialogue; increase the public’s awareness of ANC’s needs continue to far outweigh capability and capacity; and maintain long-term, positive innovative communications.

- Solicit/collect public opinion regarding the future of ANC.

- Conduct targeted outreach events.

- Assist stakeholders with accurate information and queries to the website and call center.

Stakeholders include:

- Active Duty, Veterans, spouses
- Public
- Congress/Advisory Committee
- VSO/MSO
- News media

Opened Dialog at Advisory Committee

Roundtable Discussion, 7 June 2017

22-26 July 2017

17-22 August 2017

For more information on the report to Congress and FAQs visit:

National dialogue begins at Arlington National Cemetery

Southern Expansion Project (Current State)

- Arlington County
- Federal Government
- VDOT
- Private
- Easement of Federal Government Land

ARLINGTON NATIONAL CEMETERY

SOUTHGATE ROAD
COLUMBIA PIKE
FOYCROFT HEIGHTS
AFM
S. JOYCE ST
WHS
VA-27

395
Southern Expansion Project (Future State)

- Arlington County
- Federal Government
- VDOT
- Private
- Easement of Federal Government Land

The information on this slide is draft and pre-decisional.
Potential End State Features

Summary
- Service Complex
- Parking
- Stormwater Collection Pond
- Spoils/contractor laydown
- 9/11 VEC

Hypothetical Final Condition
Planning Charrette

- Concepts ranged from dense use of columbaria or niche walls to open fields with niche walls on the outside

Criteria emerged:

- Public Access
- Operational throughput/circulation
- Views; connection to ANC; noise

The information on this slide is draft and pre-decisional
Proposed Road Realignment

The information on this slide is draft and pre-decisional.
Conceptual Southern Expansion with AF Memorial
Design Charrette -
Views, Grading and Character

Grading

Convex

Concave

5 x 10

5 x 5
Southern Expansion - Program Summary & Milestones

**Land Acquisition**
- 2017: 1
- 2018: 2

**Environmental**
- NEPA Process: 3
- Environmental Condition of Property Report: 4

**Roadway Design-Build Program**
- 2017: 5
- 2018: 6

**Cemetery Design-Bid-Build Program**
- 2017: 1
- 2018: 2
- 2019: 3

**Funding**
- AE Task Order
- P&D Expires
- Additional DAR (for FY19)
- SE Request (for FY20)

**Key Actions**
1. Agreement on land transactions
2. Complete land acquisition
3. Update NEPA documents
4. Publish NEPA findings (EA used in DAR RFP)
5. Start DAR MOA coordination
6. Signed DAR MOA
7. Initiate SE construction

**Decision Points**
1. Confirm feasibility studies to be advanced into 15% design (Apr)
2. Select “end state” for land south of Columbia Pike (Jul 17)
3. Confirm security and access requirements between ANC and AFM (Oct 17)