

Washington Headquarters Services
FY 2014 Military Construction, Defense-Wide
(\$ in thousands)

<u>State/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
Virginia				
Pentagon				
PFPA Support Operations Center	14,800	14,800	C	309
Boundary Channel Access Control Point	6,700	6,700	C	315
Army Navy Drive Tour Bus Drop Off	1,850	1,850	C	321
Raven Rock Administrative Facility Upgrade	32,000	32,000	C	327
Raven Rock Exterior Cooling Tower	4,100	4,100	C	331
Total	59,450	59,450		

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROGRAM					2. DATE March 2013				
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155				4. COMMAND OSD/DAM			5. AREA CONSTRUCTION COST INDEX 1.00				
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. END FY 2011											28,000
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE									N/A		
b. INVENTORY TOTAL AS OF									N/A		
c. AUTHORIZATION NOT YET IN INVENTORY									N/A		
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)									14,800		
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									N/A		
f. PLANNED IN NEXT THREE PROGRAM YEARS									N/A		
g. REMAINING DEFICIENCY									N/A		
h. GRAND TOTAL (1,000)									14,800		
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE	(3) SCOPE									
17121 / 14126/ 61050	PFPA Support Operations Center		14,800	11/2011	01/2016						
9. FUTURE PROJECTS N/A											
10. MISSION OR MAJOR FUNCTIONS <p>Construct permanent support facilities to house a permanent indoor 12-point 50-meter firing range, canine operations, Court Liaison and Evidence offices, to serve the Pentagon Force Protection Agency (PFPA) whose mission is to support the security, life safety and functionality of military operations on the Pentagon Reservation and other locations in the National Capital Region (NCR).</p> <p>PFPA was established in May 2002, in response to the September 11 attack on the Pentagon. Its mission is to protect and safeguard the occupants, visitors, and infrastructure of the Pentagon and other assigned Department of Defense (DoD) facilities in the NCR. The Pentagon, America's symbol of strength, is one of the most challenging buildings to protect in the United States, given its size, location, reputation, and daily threats. The Pentagon is a major hub to more than 50,000 commuters daily. The Pentagon hosts several key functions and responsibilities, including the Offices of the Department of Defense senior leadership, the National Military Command Center, and the Nation's command and control capability. In PFPA's integrated and layered approach to perform its critical mission, it brings together major functions such as: law enforcement; criminal investigations; physical security, threat analysis, chemical, biological, radiological, nuclear, and explosive (CBRNE) detection and response; anti-terrorism/force protection; and surveillance detection. Each of these functions and operations must meet: AR 195-5, Evidence Procedures, Commission on Accreditation for Law Enforcement Agencies (CALEA) 84 standards or IPE Property and Evidence; AR 190-47 Army Corrections System; FM 3-19.40 Military Police, Internment Resettlement Operations, and; MCO 1630.3D, Operations and Administration of Holding Cells and Detention Spaces.</p>											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
				(\$000)							
A. Air Pollution				0							
B. Water Pollution				0							
C. Occupational Safety and Health				0							

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE March 2013		REPORT CONTROL SYMBOL	
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington VA				4. PROJECT TITLE PFPA Support Operations Center			
5. PROGRAM ELEMENT		6. CATEGORY CODE 17121 / 14126 / 61050		7. PROJECT NUMBER		8. PROJECT COST (\$000) 14,800	
9. COST ESTIMATES							
				UNIT COST	COST		
ITEM		U/M	QUANTITY		(\$000)		
PRIMARY FACILITY					9,469		
PFPA ANIMAL BUILDING		SF	7,062	262.61	1,855		
PFPA INDOOR FIRING RANGE		SF	23,476	209.32	4,914		
GENERAL OFFICE – Court Liaison & Evidence		SF	3,177	257.56	818		
AIR COOLED HVAC SYSTEM		LS	1	-	306		
BUILDING INFORMATION SYSTEM		LS	1	-	953		
SUSTAINABLE DESIGN & ENERGY CONSERVATION		LS	1	-	509		
ANTITERRORISM MEASURES		LS	1	-	114		
SUPPORTING FACILITIES					2,739		
SITE UTILITIES (ELECTRIC, WATER, SEWER, GAS & STEAM)		LS	1	-	625		
STORM DRAINAGE		LS	1	-	91		
PAVING, WALKS, CURBS & GUTTERS		LS	1	-	603		
SITE IMPROVEMENTS / DEMOLITION		LS	1	-	862		
SECURITY INFRASTRUCTURE		LS	1	-	558		
				Subtotal	12,208		
Design/Build – Design Cost (4.00%)					488		
ESTIMATED CONTRACT COST					12,696		
CONTINGENCY					1,270		
				Subtotal	13,966		
SUPERVISION, INSPECTION & OVERHEAD (6.5%)					825		
TOTAL REQUEST					14, 791		
TOTAL REQUEST (ROUNDED)					14,800		
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
<p>Construct a permanent indoor 12-point 50 meter firing range and canine operations facility to serve the Pentagon Force Protection Agency (PFPA) whose mission is to support the security, life safety and functionality of military operations on the Pentagon Reservation and other locations in the National Capital Region (NCR).</p> <p>PFPA primary facility includes a firing range (to include armory), suitable canine operations space, and supporting administrative office space for both. The Primary Facility also includes administrative office space for Court Liaison and Evidence offices.</p> <p>The facility shall have heating, ventilation, and air conditioning (HVAC) throughout, fire protection, site and building utilities, uninterruptible power supply (UPS) system with generator; and security measures. Anti-terrorism/force protection measures will be incorporated in accordance with criteria prescribed in the current Unified Facilities Criteria (UFC). Site improvements will include outside lighting, pavement, sidewalks, and road modification. Access for individuals with disabilities shall be provided. LEED Silver certification shall be pursued for this facility. Energy conservation and efficiency measures shall include energy management control systems; lighting; alternative energy; and HVAC. Demolition/disposal of existing facilities required to clear site locations is included.</p>							

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington VA			4. PROJECT TITLE PFPA Support Operations Center		
5. PROGRAM ELEMENT	6. CATEGORY CODE 17121 / 14126 / 61050	7. PROJECT NUMBER	8. PROJECT COST (\$000) 14,800		

PROJECT: Construct a permanent indoor 12-point 50 meter firing range and canine operations facility for Pentagon Force Protection Agency (PFPA) whose mission is to support the security, life safety and functionality of military operations on the Pentagon Reservation and other locations in the National Capital Region (NCR). Provide housing for the Court Liaison and Evidence offices. The facilities must comply with all applicable regulations and meet certification requirements. (Current Mission)

REQUIREMENT: Construct a support facility on the Pentagon Reservation that houses the firing range, canine, court liaison, and evidence functions of the Pentagon Force Protection Agency. By placing the 12-point range on the Reservation officers will no longer have to travel offsite, which increases the number of officers available for an incident and decreased response time to the Pentagon. The Canine Operations space will replace the facility that was located on the Navy Annex (FOB2) parcel, transferred to the Department of the Army on Jan 2012. The firing range facility will include an armory, offices and combined work areas for multiple law enforcement officers, classrooms, and training areas. The replacement facility for PFPA Canine Operations is to be within close travel distance of the Pentagon (no more than a five-minute response time).

CURRENT SITUATION: The current range is 9 years old and was originally designed for Defense Protective Services (DPS) requirements: 250 Law Enforcement (LE) personnel, armed with .38 caliber police revolvers. The current range's design and location does not allow for expansion, a change in mission requirements or modern weapon systems. WHS Industrial Hygiene surveys conducted in 2009, 2010, and 2012 identified critical safety concerns with ventilation system and noise exposure to the police officers which remain unresolved. Helicopter landings near the firing range operations result in the build-up of helicopter exhaust fumes within the range, which requires PFPA to suspend range operations until the fumes have cleared. Currently PFPA Canine Operations are housed in a temporary building that does not meet AR 190-12 standards for Military Working Dogs. The temporary facility does not have dog runs, a drainage system so that the kennel area can be cleaned properly, a separate ventilation system from the officers' area, sound insulation, isolation area for sick dogs, and no separate food prep and examination area. The PFPA Court Liaison and Evidence offices are temporarily located in the former Pentagon Child Development Center.

IMPACT IF NOT PROVIDED: Use of current Pentagon range and multiple offsite ranges around the NCR will continue to be used for training. Response time and availability to an incident on the Reservation from officers in training will remain unpredictable. The inability for officers to qualify on required weapon systems in the required timeframe due to lack of range access will continue to result in mission failure due to restricted duty status of the individual officer(s). Temporary canine facility is not in compliance with kennel standards. Per the WHS Pentagon Master Plan, the facility is scheduled to be demolished, as it is an outdated temporary structure.

FACILITY MISSION: PFPA is responsible for force protection, security, response and law enforcement, required for the people, facilities, infrastructures and other resources at the Pentagon Reservation and for DoD activities on DoD-occupied facilities not under the jurisdiction of a military department within the NCR. This includes the planning, preparation, and implementation of all protective measures against terrorist attacks and threats. The facility will provide 24-hour training capability for PFPA's Officers without requiring travel outside of the NCR, therefore, saving valuable time and funding. The training facility will have a 12-point firing range, classrooms, arms room, and training rooms for Law Enforcement Officers to receive the required weapons certification training. All of the PFPA Directorates provide security support to major events in and around the Pentagon Reservation on a 24-hour basis, 365 days per year.

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington VA		4. PROJECT TITLE PFPA Support Operations Center		
5. PROGRAM ELEMENT	6. CATEGORY CODE 17121 / 14126/ 61050	7. PROJECT NUMBER	8. PROJECT COST (\$000) 14,800	

11. SUPPLEMENTAL DATA

A. Estimated Design Data:

(1) Status:

- (A) Date design started: **November 2011**
- (B) Percent complete as of **January 2013**: **5%**
- (C) Date design expected to be 35% complete: **July 2013**
- (D) Date design-build Request for Proposals is advertized: **October 2013**
- (E) Parametric to develop costs: **No**
- (F) Type of design contract: **D/B**
- (G) An energy study and life cycle cost analysis will be documented during final design.

(2) Basis:

- (A) Standard or Definitive Design: **No**
- (B) Where design was most recently used: **NA**

(3) Total Design Cost (C)=(A)+(B)+(E)

- (A) Production of plans and specifications (4%): **\$488K**
- (B) All other design costs (2%): **\$244K**
- (C) Total: **\$732K**
- (D) Contract: **TBD**
- (E) In-House: **No**
- (F) A/E construction administration (3%): **\$366 M**
- (G) Cost of reproduction of plans and specifications: **\$10K**

(4) Design-build Construction Award Date: **February 2014**

(5) Construction Start: **July 2014**

(6) Construction Completion Date: **January 2016**

B. Equipment associated with this project will be procured from other appropriations.

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington VA			4. PROJECT TITLE PFPA Support Operations Center		
5. PROGRAM ELEMENT	6. CATEGORY CODE 17121 / 61050 / 14126	7. PROJECT NUMBER	8. PROJECT COST (\$000) 14,800		

DETAILED REQUIREMENTS STATEMENTS

GENERAL: This project is required to provide permanent facilities for PFPA Firing Range, Canine Operations, and Court Liaison & Evidence Offices.

DATA ON ACCOMMODATIONS NOW IN USE: The PFPA firing range is currently housed in the Pentagon Remote Delivery Facility (RDF). The PFPA Canine Operations are currently housed in the former Chauffer's Lounge, which is a construction trailer. The PFPA Court Liaison and Evidence Offices are housed in the former Pentagon Child Development Center.

ANALYSIS OF DEFICIENCY: The PFPA firing range, canine operations, court liaison, and evidence operations lack a permanent, code-compliant facility.

ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: PFPA prefers to have firing range training and canine housing located near the Pentagon to allow officers to be able to respond to a Pentagon incident quickly.

ANALYSIS OF CRITERIA FOR NEW CONSTRUCTION: The size and capacity of the project is constrained by the proposed site. In spite of this restriction, all program requirements can be met to support the mission of this facility while meeting applicable UFC standards and regulations.

STATEMENT OF PROGRAM RELATED EQUIPMENT: Equipment will be provided from other appropriations to support the requirements of this facility. Installation of this equipment will be controlled to assure all standards and regulations are met.

DISPOSITION OF PRESENT ACCOMMODATIONS: Temporary Structure vacated by Canine Operations will be used as a construction trailer. Firing range will be used for Remote Delivery Facility (RDF) functions. Once vacated the Pentagon Child Development Center will be used for storage and construction offices.

CONTRIBUTION TO MISSION: The benefits of this project to the Pentagon and its mission are as identified above in previous statements. This organization is vital to supporting all known and unknown threat conditions on the Reservation.

CLEAN AIR ACT AMENDMENT OF 1990: Permitting and other procedural requirements mandated by state, interstate and local air pollution control agencies will be complied with for this project.

PROTECTION OF WETLANDS: Project has been evaluated for compliance with Executive Order No. 11990 and is not sited in wetland conditions.

REQUEST FOR "EXCEPTION TO CRITERIA": None

TELECOMMUNICATIONS: Telephone service is available on the Pentagon Reservation and is within 1,000 feet of the proposed site. PFPA has a separate secure communication line and fiber network within the Pentagon Reservation. The facility will require connection to the PFPA source.

ECONOMIC ANALYSIS: An economic analysis will be conducted as part of further preliminary studies to this project. Because of the importance of this organization to the safety and welfare of its occupants, it has been determined that this project is feasible for execution.

NATIONAL ENVIRONMENTAL POLICY ACT: Project has been analyzed for potential environmental impacts in accordance with applicable regulations.

POLLUTION ABATEMENT: The design of proposed project includes, where appropriate, the provision of facilities for air and water pollution control IAW Executive Order No. 11752.

COASTAL ZONE PLAN: In accordance with the provisions of Section 102(2) (c) of the National Environmental Policy Act of 1969, the project has been reviewed, and it is determined to be in compliance with the State's Coastal Zone Plan.

ENDANGERED SPECIES ACT: Proposed project is in consonance with Section 7 of the Endangered Species Act (P.L. 93-205(87) STAT. as amended).

FALLOUT PROTECTION: In accordance with Section 601 of Public Law 89-568, as amended, the design of this project has been prepared to maximize fallout protection. Fallout shelters have been excluded from any structure only for the following reason: (1) Adequate protection areas are available to fulfill a station's requirements; (2) The presence of personnel during a period of fallout radiation would impair facility operations; or (3) Economic limitations necessitated either deferral or accomplishment by some other means.

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington VA		4. PROJECT TITLE PFPA Support Operations Center		
5. PROGRAM ELEMENT	6. CATEGORY CODE 17121 / 61050 / 14126	7. PROJECT NUMBER	8. PROJECT COST (\$000) 14,800	

FLOOD HAZARD: Project has been evaluated for flood hazards in compliance with Executive Order 11988, and the facility is not sited in an area known to be subjected to flooding.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL: In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of the facility.

NATIONAL HISTORIC PRESERVATION ACT OF 1966: A survey has been completed, and it revealed that this undertaking will not affect, either directly or indirectly, any property included in, or eligible for, inclusion in the National Register of Historic Places.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): In accordance with 29 CFR 1926 "Safety And Health Regulations For Construction", the project is in compliance with the construction standards set forth by OSHA and implemented in the construction project's Safety Plan.

CHESAPEAKE BAY PRESERVATION ACT: Project has been evaluated for erosion control and Best Management Practices to control run-off of storm water.

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROGRAM					2. DATE March 2013				
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155				4. COMMAND OSD/DAM			5. AREA CONSTRUCTION COST INDEX 1.00				
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
END FY 2011											28,000
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE									N/A		
b. INVENTORY TOTAL AS OF									N/A		
c. AUTHORIZATION NOT YET IN INVENTORY									N/A		
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)									6,700		
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									N/A		
f. PLANNED IN NEXT THREE PROGRAM YEARS									N/A		
g. REMAINING DEFICIENCY									N/A		
h. GRAND TOTAL (1,000)									6,700		
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE	(3) SCOPE									
14113	Boundary Channel Drive Access Control Point Facility Upgrade			6,700	11/2012	06/2015					
9. FUTURE PROJECTS N/A											
10. MISSION OR MAJOR FUNCTIONS Provide an access control facility that provides safe and secure screening and control of vehicles and pedestrian and protective facilities from unauthorized entry within the secured perimeter of the Pentagon Reservation and which provides the level protection of the Pentagon, tenants, visitors and Police Officers in conformance with the required current Unified Facilities Criteria (UFC), Homeland Security Presidential Directive 2012 (HSPD-12), Integrated Security Master Plan for the Pentagon, and Anti-Terrorism/Force Protection (AR/FP) standards.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
				(\$000)							
A. Air Pollution				0							
B. Water Pollution				0							
C. Occupational Safety and Health				0							

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155			4. PROJECT TITLE Boundary Channel Drive Access Control Point Facility Upgrade		
5. PROGRAM ELEMENT	6. CATEGORY CODE 14113	7. PROJECT NUMBER		8. PROJECT COST (\$000) 6,700	

9. COST ESTIMATES

PRIMARY FACILITY					5,642
SITE IMPROVEMENTS	LS	1			590
DEMOLITION	LS	1			855
ACCESS CONTROL FACILITY TOTAL (CONTINUATION PAGE(s))	EA	1	4,197		4,197
SUPPORTING FACILITIES					
SUSTAINABLE ENERGY MEASURES (SDD and EPACT05)	LS	1			83
ANTI-TERRORISM MEASURES (AT/FP)	LS	1			83
					5,808
CONTINGENCY			(5.00%)		290
TOTAL CONTRACT COST					6,098
SUPERVISION, INSPECTION, AND OVERHEAD			(5.70%)		348
DESIGN/BUILD – DESIGN COST			(4.00%)		244
TOTAL REQUEST					6,690
TOTAL REQUEST ROUNDED					6,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS					530

10. DESCRIPTION OF PROPOSED CONSTRUCTION

REQUIREMENT - Construct a permanent Access Control Point (ACP) project which includes a Gatehouse, Identification (ID) Check Area with Canopy, Entry/Traffic Control System, Gate Arms, Active Vehicle Barriers (AVBs), Police Booths, Over watch Area, Passive Vehicle Barriers, Access Roadways with Vehicle Inspection Area and Rejection Lane and Street Lighting, Police Vehicle Parking Area, American Disabilities Act (ADA) Compliant Pedestrian Turnstiles, Card Readers, Installation of Security Equipment, Intrusion Detection System, Closed Circuit Television (CCTV) System, Fire Alarm System, Information System, Backup Power, Diesel Generator, and Uninterruptible Power Supply (UPS), Security Lighting, Electrical Service, Telecommunications Service, Storm Drainage System, Concrete Walkways Curbs and Gutters, Pavement, Pavement Markings, Vehicle and Pedestrian Signage, Pedestrian Crosswalk Signals, Entry and Exit Road Intersection Tie-Ins, Security Fencing and Entrance Gates, Relocation of Conflicting Underground Utilities, Demolition and Removal of existing non-UFC compliant Temporary ACP, Gatehouse, Police Booth, Knee Walls, Fencing, Gates, Security Equipment, Asphalt Pavement, Concrete Island, Walkways, Curbs and Gutters, Site Improvements, Landscaping, Trees and Shrubs. Anti-Terrorism/Force Protection (AT/FP) measures include Passive Barriers, K12 Bollards, Knee Walls and Ballistic Resistant NIJ Level III Windows, Doors and Hardware for the Gatehouse and Police Booths. Sustainable Design and Development (SDD) and Energy Policy Act of 2005 (EPAct05), and Energy Independence and Security Act (EISA) 2007 features will be provided. Access for individuals with disabilities will be provided. Comprehensive Interior Design Services of the Gatehouse including Work Area, Furnishings, Telecommunications and Equipment Room are required. Heating, Ventilation and Air Conditioning (HVAC) for the Gatehouse and Police Booths will be provided by stand alone systems. Air Condition estimated not to exceed 15 Tons. No hazardous materials are expected to be encountered. Electronic Security Equipment to be procured with Other Appropriations (OPA) and installed with MILCON funds include the Mass Notification Address (MSN) System, License Plate Reader(LPR), Under Vehicle Inspection System (UVIS), Closed Circuit Television (CCTV) Cameras, Controls and Monitors, Electronic Security Access Control System, Duress Alarm, Radiation Detector and Video Intercom System, Fence Line Sensor System (FLSS).

CURRENT SITUATION - The existing temporary ACP consists of a temporary Gatehouse, Police Booth, Security Equipment and Anti-Terrorism/Force Protection (AT/FP) features that do not comply with current ACP requirements including current UFC, ISMP, HSPD-12 and AT/FP standards and provides inadequate protection of the Pentagon tenants and Police Officers. The current ACP was installed as a temporary ACP following the 9/11 terrorist attack on the Pentagon and has insufficient staging area, limited and antiquated vehicle inspection equipment, no covered ID Check Area or Vehicle Inspection Area and provides inadequate protection of the Police Officers. The current configuration of the single lane, Gatehouse and Police Booth provides an inadequate response time for full activation of the AVBs by a high speed threat vehicle. The current layout without a dedicated vehicle inspection area and rejection within the ACP does not allow the Police Officers to inspect vehicles within a secured ACP. The Police Officers need to open the ACP via a sliding gate and conduct vehicle inspections in a non-secure adjacent parking lot and places the Police Officers and maintaining a secure ACP at risk. To provide a secure vehicle entrance and approach zone with adequate lanes for ID Check and Vehicle Inspection Areas and a Vehicle Rejection Lane within a AT/FP compliant ACP, a complete re-configuration of the entrance road and ACP facilities is required.

IMPACT IF NOT PROVIDED – If this project is not provided the level of protection of the Police Officers and the Pentagon as required by the current UFCs, HSPD-12, ISMP and AT/FP requirements will not be met. Efficient, safe and secure screening and control of vehicles will not be achieved and the Police Officers will continue to be at risk due to inadequate protective facilities.

JOINT USE CERTIFICATION - Not Applicable.

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155		4. PROJECT TITLE Boundary Channel Drive Access Control Point Facility Upgrade		
5. PROGRAM ELEMENT	6. CATEGORY CODE 14113	7. PROJECT NUMBER TBD	8. PROJECT COST (\$000) 6,700	

11. SUPPLEMENTAL DATA:

A. Estimated Design Data:

1. Status:

- (a) Design start date. November 2012
- (b) Percent complete as of 1 January 2013. 30%
- (c) Design complete date. December 2013
- (d) Type of Design Contract: Design/Build

2. Basis:

- (a) Standard or Definitive Design: NA
- (b) Date Design was Most Recently Used: NA

3. Total Cost (c) = (a) + (b) or (d) + (e) + (f)

- (a) Production of Plans and Specifications: \$50K
- (b) All other Design Costs: \$50K
- (c) Total: \$100K
- (d) Contract: \$300K
- (e) In-house: \$100K

4. Construction Start: Feb 2014

5. Construction Complete: Jun 2015

B. Equipment associated with this project which will be provided from other appropriations – Not Applicable

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155			4. PROJECT TITLE Boundary Channel Drive Access Control Point Facility Upgrade		
5. PROGRAM ELEMENT	6. CATEGORY CODE 14113	7. PROJECT NUMBER	8. PROJECT COST (\$000) 6,700		

ADDITIONAL REQUIREMENTS

FEASIBILITY STUDY: Alternatives methods of meeting this requirement have been explored during the Planning Charrette and development of TAB D, Economic Analysis. This project is the only feasible alternative to meet the requirement.

CLEAN AIR ACT AMENDMENT OF 1990: Permitting and other procedural requirements mandated by state, interstate and local air pollution control agencies will be complied with for this project.

PROTECTION OF WETLANDS: Project has been evaluated for compliance with Executive Order No. 11990 and is not sited in wetland.

REQUEST FOR "EXCEPTION TO CRITERIA": None

TELECOMMUNICATIONS: Telecommunication support requirements for this project are listed in Tab F. Project assumes separate follow on contract will be used by DA&M to install cabling in conduit installed by the Contractor using MILCON.

NATIONAL ENVIRONMENTAL POLICY ACT: Project will be analyzed for potential environmental impacts in accordance with applicable regulations. Documentation has been started/completed or will be completed prior to budget year, all known costs have been identified and included in the project estimate. Is it envisioned that a Record of Environmental Consideration will be prepared in accordance with 40 CFR 1500 through 1508 and 32 CFR651.

ECONOMIC ANALYSIS: An economic analysis was conducted. Maximum use is being made of the existing Access Control Point supporting facilities. Primary facilities do not meet current UFC and ISMP standards. Alternatives do not meet current mission requirements (see also alternatives addressed in TAB D, Economic Analysis).

ENVIRONMENTAL REQUIREMENTS: The project must comply with all applicable federal, state and local environmental regulations, including but not limited to the Clean Water Act (CWA) of 1972 as amended; the Federal Facility Compliance Act of 1992; the Energy Policy Act of 1992; the Noise Control Act of 1972 as amended. Primary Facility Cost programmed at standard 2 percent of the Primary Facility cost. Actual costs associated with achieving this policy are undetermined at the time this DD Form 1391 preparation. There will be no adverse environmental consequences as a result of this project. All required documentation will be prepared to obtain a Virginia Storm Water Pollution Prevention Permit (SWPPP), in addition to all required documentation required for same from the Pentagon.

COASTAL ZONE PLAN: In accordance with the provisions of Section 102(2)(c) of the National Environmental Policy Act of 1969, the project will be reviewed, for determination of compliance with the State's Coastal Zone Plan.

ENDANGERED SPECIES ACT: Proposed project is in consonance with Section 7 of the Endangered Species Act (P.L. 93-205(87) STAT. as amended).

FLOOD HAZARD: Project location has been evaluated for flood hazards in compliance with Executive Order 11988, and the facility is not sited in an area known to be subjected to flooding.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL: In accordance with Public Law 90-480, provisions for the physically handicapped personnel will be provided for, where appropriate, in the design of the facility.

NATIONAL HISTORIC PRESERVATION ACT OF 1966: A survey has been completed, and it revealed that this undertaking will not affect, either directly or indirectly, any property included in, or eligible for, inclusion in the National Register of Historic Places.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): 29 CFR 1926 "Construction Standard: The project is in compliance with the construction standards set forth by OSHA and implemented in the construction projects Safety Plan.

CHESAPEAKE BAY PRESERVATION ACT: Project has been evaluated for erosion control and Best Management Practices to control storm water runoff.

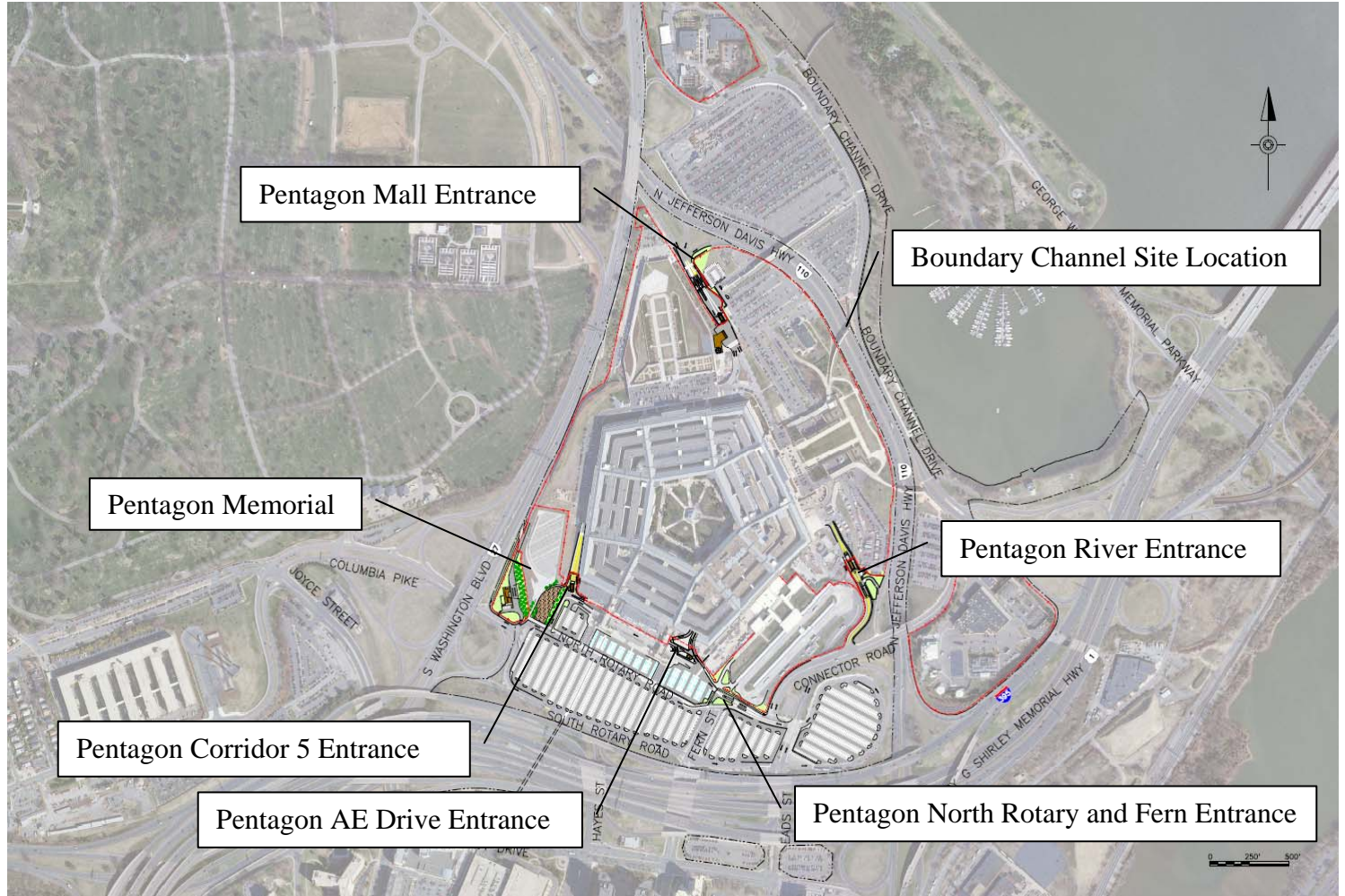
PHYSICAL SECURITY STATEMENTS: This project has been coordinated with the current Integrated Security Master Plan (ISMP) for the Pentagon, and all physical security and fire access requirements have been included as indentified by the Pentagon Force Protection Agency (PFPA) and the Pentagon Fire Marshal Office.

ANTITERRORISM PROTECTION STATEMENTS (based on entries in Tab G): All required AT/FP measure are included. Alternatives methods of meeting this requirement have been explored during the Planning Charrette and development of TAB D, Economic Analysis. This project is the only feasible alternative to meet the requirement.

JOINT USE CERTIFICATION STATEMENTS: N/A

SUSTAINABLE PRINCIPLES INTEGRATION STATEMENT: Sustainable Design and Development (SDD) and Energy Conservation principles, to include renewable energy alternative investigations and Life Cycle cost effective practices in accordance with 10 CFR Part 436, will be integrated into development of the design and construction of this project. This project will be completed in accordance with Executive Order (EO) 13423 and EO 13514, Energy Policy Act of 2005 (EPAct05), Energy Independence and Security Act (EISA) 2007, 10 USC 2802©, Engineering and Construction Bulletin (ECB No. 2011-1 dated 19 January 2011), Army Sustainable Design and Development Policy, the Pentagon Exterior Design Standards Manual, Homeland Security Protection Directive - 2012 (HSPD-12), current Unified Facilities Criteria (UFC) Access Control Points design criteria, and other applicable local, State and Federal codes, laws, and Executive Orders. This project will be certified by the United States Green Building Council (USGBC) under the Leadership in Energy and Environmental Design (LEED) rating system with a minimum silver rating.

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013		REPORT CONTROL SYMBOL	
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155				4. PROJECT TITLE Boundary Channel Drive Access Control Point Facility Upgrade			
5. PROGRAM ELEMENT		6. CATEGORY CODE 14113		7. PROJECT NUMBER TBD		8. PROJECT COST (\$000) 6,700	



1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROGRAM					2. DATE March 2013				
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155					4. COMMAND OSD/DAM			5. AREA CONSTRUCTION COST INDEX 1.00			
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
END FY 2011											28,000
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE									N/A		
b. INVENTORY TOTAL AS OF									N/A		
c. AUTHORIZATION NOT YET IN INVENTORY									N/A		
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)									1,850		
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									N/A		
f. PLANNED IN NEXT THREE PROGRAM YEARS									N/A		
g. REMAINING DEFICIENCY									N/A		
h. GRAND TOTAL (1,000)									1,850		
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE	(3) SCOPE									
8523	Construct Tour Bus Drop-off		1,850	12/2012	08/2014						
9. FUTURE PROJECTS N/A											
10. MISSION OR MAJOR FUNCTIONS Demolish impacted Hayes Street parking lot automobile parking stalls, sidewalk, curb & gutter and construct new tour bus visitor drop-off/pick-up stalls. Install new curb and gutter to tie into the surrounding pavements and provide vehicular safety medians. Provide proper gathering and walking surface areas directly adjacent to the bus discharge points while minimizing storm water run-off. Relocate Metro/ART bus stops, parking lighting and traffic signals as required. Provide proper pavement markings and signage to safely direct Pentagon visitors to the I-395 pedestrian tunnel and then to the Pentagon Memorial or the Pentagon Visitor check-in. The stalls must safely allow tour buses to pull off of Army-Navy Drive and drop-off/pick-up visitors. Correct pavement markings and signage to restore the current bus parking stalls back to curbside automobile parking. Buses are only to discharge/pick-up visitors; Arlington County administers tour bus parking a block over on Hayes Street. This location reduces visitor travel distance approximately 30% and segregates these pedestrian flows away from the key vehicular/pedestrian congestion points on the Pentagon reservation.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
				(\$000)							
A. Air Pollution				0							
B. Water Pollution				0							
C. Occupational Safety and Health				0							

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155		4. PROJECT TITLE Army Navy Drive Tour Bus Drop-off	
5. PROGRAM ELEMENT	6. CATEGORY CODE 8523	7. PROJECT NUMBER	8. PROJECT COST (\$000) 1,850

9. COST ESTIMATES				
PRIMARY FACILITY				0
SUPPORTING FACILITIES				1,534
DEMOLITION	LS			57
SITE WORK	LS			217
ROADWAY	LS			433
PAVEMENT	SY	10,584	43	455
CURB & GUTTER	LF	2,603	49	128
DRAINAGE	LS			166
UTILITIES	LS			34
TRAFFIC CONTROL DEVICES	LS			44
SUBTOTAL				1,534
CONTINGENCY				123
TOTAL CONTRACT COST				1,657
SUPERVISION, INSPECTION, AND OVERHEAD			(6.00%)	99
PCAS			(5.00%)	83
TOTAL REQUEST				1,839
TOTAL REQUEST ROUNDED				1,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				0

10. DESCRIPTION OF PROPOSED CONSTRUCTION <p>REQUIREMENT - Demolish impacted Hayes Street parking lot automobile parking stalls, sidewalk, curb & gutter and construct new tour bus visitor drop-off/pick-up stalls. Install new curb and gutter to tie into the surrounding pavements and provide vehicular safety medians. Provide proper gathering and walking surface areas directly adjacent to the bus discharge points while minimizing storm water run-off. Relocate Metro/ART bus stops, parking lighting and traffic signals as required. Provide proper pavement markings and signage to safely direct Pentagon visitors to the I-395 pedestrian tunnel and then to the Pentagon Memorial or the Pentagon Visitor check-in. The stalls must safely allow tour buses to pull off of Army-Navy Drive and drop-off/pick-up visitors. Correct pavement markings and signage to restore the current bus parking stalls back to curbside automobile parking. Buses are only to discharge/pick-up visitors; Arlington County administers tour bus parking a block over on Hayes Street. This location reduces visitor travel distance approximately 30% and segregates these pedestrian flows away from the key vehicular/pedestrian congestion points on the Pentagon reservation.</p> <p>CURRENT SITUATION - The requirement above replaces six tour bus parking stalls located in the southernmost section of south parking. These bus stalls are insufficient for peak visitor season where 10+ tour buses may be discharging or picking-up visitors at the same time wherever they can pull over out of main traffic flow. The present Pentagon Memorial and Pentagon tour bus parking location requires the tour groups to walk through two of the busiest intersections on the Pentagon reservation. One of these intersections is where the Pentagon Transit Center (PTC) buses (regional, city and DoD shuttles) and informal carpool lanes converge before leaving the reservation. The other intersection impacts the vehicle access control point for the west side of the Pentagon and adds additional pedestrian traffic to the passengers heading/leaving the PTC metro rail and bus stations. The PTC averages 19,250 daily bus person trips and 13,580 daily Metrorail person trips with 20,000 vehicles entering the Pentagon reservation daily. The current parking location and visitor pathways increase security / safety risks and adversely impacts reservation circulation.</p> <p>IMPACT IF NOT PROVIDED - Pentagon Memorial and Pentagon visitor bus and pedestrian traffic will continue to adversely impact Pentagon reservation circulation and pose safety and security risks.</p> <p>JOINT USE CERTIFICATION - Not Applicable.</p>

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155		4. PROJECT TITLE Army Navy Drive Tour Bus Drop-off		
5. PROGRAM ELEMENT	6. CATEGORY CODE 8523	7. PROJECT NUMBER	8. PROJECT COST (\$000) 1,850	

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

1. Status:
 - (a) Date Design Started: December 2012
 - (b) Parametric Cost Estimate Used to Develop Costs (Yes/No): Yes
 - (c) Percent Complete as of January, 2013: 5%
 - (d) Date 35 Percent Complete: March 2013
 - (e) Date Design Complete: May 2013
 - (f) Type of Design Contract: Design/Bid/Build
2. Basis:
 - (a) Standard or Definitive Design: No
 - (b) Date Design was Most Recently Used: NA
3. Total Cost (c) = (a) + (b) or (d) + (e)
 - (a) Production of Plans and Specifications: \$101K
 - (b) All other Design Costs: \$67K
 - (c) Total: \$168K
 - (d) Contract: \$168K
 - (e) In-house: 0
4. Contract Award: December 2013
5. Construction Start: February 2014
6. Construction Complete: August 2014

B. Equipment associated with this project which will be provided from other appropriations – Not Applicable

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155		4. PROJECT TITLE Army Navy Drive Tour Bus Drop-off		
5. PROGRAM ELEMENT	6. CATEGORY CODE 8523	7. PROJECT NUMBER	8. PROJECT COST (\$000) 1,850	

ADDITIONAL REQUIREMENTS

FEASIBILITY STUDY: This requirement was identified during the transportation management plan (TMP) evaluation. Preliminary transportation engineering analysis of Pentagon reservation vehicular and pedestrian flows reached the conclusion that this requirement is the best alternative to de-conflict the many modes of travel converging on the reservation. This project will accommodate the requirement based on the field data gathered during the TMP.

CLEAN AIR ACT AMENDMENT OF 1990: Permitting and other procedural requirements mandated by state, interstate and local air pollution control agencies will be complied with for this project.

PROTECTION OF WETLANDS: Project has been evaluated for compliance with Executive Order No. 11990 and is not sited in wetland.

REQUEST FOR "EXCEPTION TO CRITERIA": None

TELECOMMUNICATIONS: Telephone service is not required.

NATIONAL ENVIRONMENTAL POLICY ACT: Project has been analyzed for potential environmental impacts in accordance with applicable regulations.

ECONOMIC ANALYSIS: An economic analysis was not conducted.

ENVIRONMENTAL REQUIREMENTS: The project must comply with all applicable federal, state and local environmental regulations, including but not limited to the Clean Water Act (CWA) of 1972 as amended; the Federal Facility Compliance Act of 1992; the Energy Policy Act of 1992; the Noise Control Act of 1972 as amended.

COASTAL ZONE PLAN: In accordance with the provisions of Section 102(2)(c) of the National Environmental Policy Act of 1969, the project has been reviewed, and it is determined to be in compliance with the State's Coastal Zone Plan.

ENDANGERED SPECIES ACT: Proposed project is in consonance with Section 7 of the Endangered Species Act (P.L. 93-205(87) STAT. as amended).

FLOOD HAZARD: Project has been evaluated for flood hazards in compliance with Executive Order 11988, and the facility is not sited in an area known to be subjected to flooding.

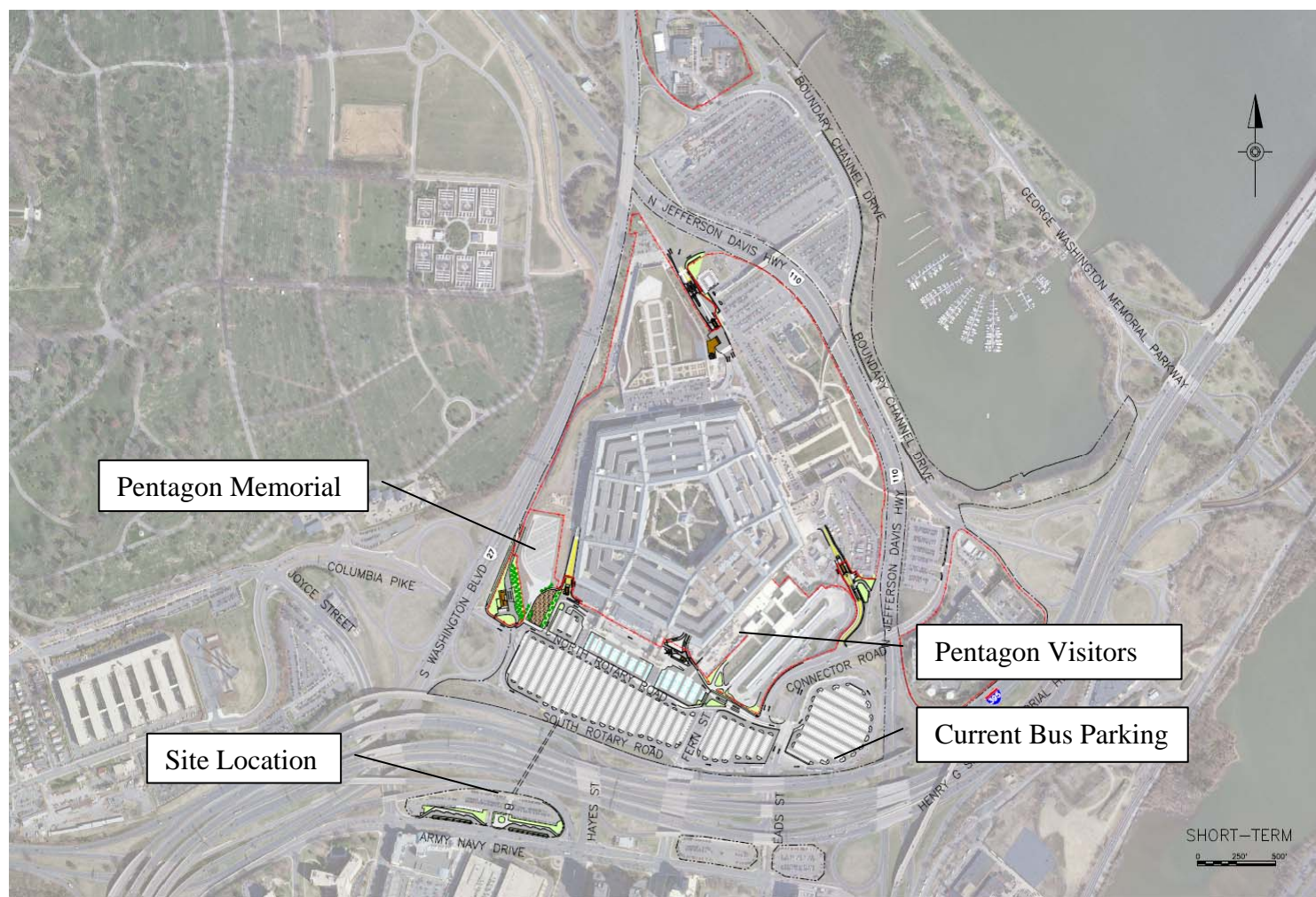
DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL: In accordance with Public Law 90-480, provisions for the physically handicapped personnel will be provided for, where appropriate, in the design of the facility.

NATIONAL HISTORIC PRESERVATION ACT OF 1966: A survey has been completed, and it revealed that this undertaking will not affect, either directly or indirectly, any property included in, or eligible for, inclusion in the National Register of Historic Places.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): 29 CFR 1926 "Construction Standard: The project is in compliance with the construction standards set forth by OSHA and implemented in the construction projects Safety Plan.

CHESAPEAKE BAY PRESERVATION ACT: Project has been evaluated for erosion control and Best Management Practices to control storm water runoff.

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013		REPORT CONTROL SYMBOL	
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155				4. PROJECT TITLE Army Navy Drive Tour Bus Drop-off			
5. PROGRAM ELEMENT		6. CATEGORY CODE 8523		7. PROJECT NUMBER TBD		8. PROJECT COST (\$000) 1,850	



1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013		REPORT CONTROL SYMBOL	
3. INSTALLATION AND LOCATION Pentagon Reservation, Arlington, Virginia 20301-1155				4. PROJECT TITLE Army Navy Drive Tour Bus Drop-off			
5. PROGRAM ELEMENT		6. CATEGORY CODE 8523		7. PROJECT NUMBER		8. PROJECT COST (\$000) 1,850	



1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROGRAM					2. DATE March 2013				
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)					4. COMMAND OSD/DAM			5. AREA CONSTRUCTION COST INDEX 1.00			
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
END FY 2011											28,000
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE									N/A		
b. INVENTORY TOTAL AS OF									N/A		
c. AUTHORIZATION NOT YET IN INVENTORY									N/A		
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)									32,000		
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									N/A		
f. PLANNED IN NEXT THREE PROGRAM YEARS									N/A		
g. REMAINING DEFICIENCY									N/A		
h. GRAND TOTAL (1,000)									32,000		
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE			(3) SCOPE							
14162	Admin Facility Interior Renovations					32,000		11/2013		01/2016	
9. FUTURE PROJECTS N/A											
10. MISSION OR MAJOR FUNCTIONS Renovation will align space with the ASD (HD&ASA) memorandum dated January 21, 2011, "Raven Rock Mountain Complex Tenant Requirements." Portions of the renovated facility must be an accredited Sensitive Compartmented Information Facility (SCIF). The renovated facility will include operational spaces, installation of intrusion detection system (IDS), connection to Supervisory Control and Data Acquisition (SCADA) and supporting infrastructure upgrades. Infrastructure upgrades include, but are not limited to HVAC, lightning, voice and data cabling, power, plumbing, intrusion detection, and fire alarm systems. This project is necessary to provide the OSD with adequate operational space that has high reliability with back-up for power, mechanical systems, and communications in a 24 hour per day operational space. Sustainable principles to include life cycle cost-effective practices will be incorporated into the design, development, and construction of the project in accordance with Executive Order 31514 and 13123. Additional requirements are classified.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
				(\$000)							
A. Air Pollution				0							
B. Water Pollution				0							
C. Occupational Safety and Health				0							

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE March 2013		REPORT CONTROL SYMBOL	
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)				4. PROJECT TITLE Raven Rock Administrative Facility Upgrade			
5. PROGRAM ELEMENT		6. CATEGORY CODE 14162		7. PROJECT NUMBER		8. PROJECT COST (\$000) 32,000	
9. COST ESTIMATES							
				UNIT COST	COST		
ITEM		U/M	QUANTITY	(\$000)	(\$000)		
PRIMARY FACILITY					24,133		
SCIF and OFFICES		LS	1	22,865	22,865		
BUILDING INFORMATION SYSTEMS (included)		LS	1	0	0		
SECURITY and IDS INSTALLATION		LS	1	231	231		
EMCS (included)		LS	1	0	0		
DEMOLITION (included)		LS	1	0	0		
INFORMATION SYSTEMS		LS	1	1,037	1,037		
SUPPORTING FACILITIES					0		
ELECTRIC SERVICE (included)		LS	1	0	0		
WATER, SEWER & GAS (included)		LS	1	0	0		
ESTIMATED CONTRACT COST					24,133		
CONTINGENCY (20%)					4,827		
SUBTOTAL 1					28,960		
DESIGN (5%)					1,448		
SUBTOTAL 2					30,408		
SUPERVISION, INSPECTION & OVERHEAD (6.5%)					1,976		
SUBTOTAL 3					32,384		
FURNITURE					332		
EQUIPMENT					1,615		
SUBTOTAL 4					34,331		
FURNITURE AND EQUIPMENT – Procured by other funding					(1,947)		
TOTAL					32,384		
TOTAL REQUEST (ROUNDED)					32,000		
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
<p>PROJECT: Renovate the existing underground facility to provide adequate space and infrastructure for Office of the Secretary of Defense (OSD) and other mission partners to meet their mission essential functions in direct support for Continuity of Government and Continuity of Operations.</p> <p>REQUIREMENT: Renovation will align space with the ASD (HD&ASA) memorandum dated January 21, 2011, "Raven Rock Mountain Complex Tenant Requirements." Portions of the renovated facility must be an accredited Sensitive Compartmented Information Facility (SCIF). The renovated facility will include operational spaces, installation of intrusion detection system (IDS), connection to Supervisory Control and Data Acquisition (SCADA) and supporting infrastructure upgrades. Infrastructure upgrades include, but are not limited to HVAC, lightning, voice and data cabling, power, plumbing, intrusion detection, and fire alarm systems. This project is necessary to provide the OSD with adequate operational space that has high reliability with back-up for power, mechanical systems, and communications in a 24 hour per day operational space. Sustainable principles to include life cycle cost-effective practices will be incorporated into the design, development, and construction of the project in accordance with Executive Order 31514 and 13123. Additional requirements are classified.</p>							

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)	2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)		4. PROJECT TITLE Raven Rock Administrative Facility Upgrade	
5. PROGRAM ELEMENT	6. CATEGORY CODE 14162	7. PROJECT NUMBER	8. PROJECT COST (\$000) 32,000

CURRENT SITUATION: The Office of the Secretary of Defense does not have adequate space for the personnel necessary to perform Continuity of Operations. RRMC requires renovation to fully support OSD requirements. The facility infrastructure is inadequate in the proposed spaces to provide power, cooling, communications, and security. Additional information regarding this project is classified.

IMPACT IF NOT PROVIDED: The OSD personnel will reside in inadequate space within RRMC for Continuity of Operations. RRMC will not meet the requirements put forth in the ASD (HD&ASA) memorandum dated January 21, 2011, "Raven Rock Mountain Complex Tenant Requirements." Additional information regarding impacts to OSD and other mission partners are classified.

ADDITIONAL: All applicable codes will integrated into this project. Due to security requirements, all construction personnel must possess a minimum SECRET industrial security clearance or be escorted by the contractor at all times.

12. Supplemental Data:

A. ESTIMATED DESIGN DATA:

- (1) STATUS:
- | | |
|--|---------------------|
| (a) DATE DESIGN STARTED _____ | <u>NOV 2013</u> |
| (b) PERCENT COMPLETE AS OF JANUARY 2014 _____ | <u>15%</u> |
| (c) DATE DESIGN EXPECTED TO BE 35% COMPLETE _____ | <u>MAR 2014</u> |
| (d) DATE DESIGN EXPECTED TO BE 100% COMPLETE _____ | <u>JUN 2014</u> |
| (e) PARAMETRIC COSTS TO DEVELOP COSTS _____ | <u>No</u> |
| (f) TYPE OF DESIGN CONTRACT _____ | <u>DESIGN/BUILD</u> |
| (g) AN ENERGY STUDY AND LIFE CYCLE COST ANALYSIS WILL BE DOCUMENTED DURING FINAL DESIGN. | |

- (2) BASIS:
- | | |
|---|-----------------------|
| (a) STANDARD OR DEFINITIVE DESIGN | <u>NOT APPLICABLE</u> |
| (b) WHERE DESIGN WAS MOST RECENTLY USED | <u>NOT APPLICABLE</u> |

- (3) TOTAL DESIGN COST (\$000) 1,448
- (4) CONSTRUCTION AWARD DATE NA
- (5) CONSTRUCTION START JUL 2014
- (6) CONSTRUCTION COMPLETION DATE JAN 2016

- B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROCURED FROM OTHER APPROPRIATIONS:
- Installed Furnishings - \$332,402
- Installed Equipment - \$1,614,846

Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)			4. PROJECT TITLE Raven Rock Administrative Facility Upgrade		
5. PROGRAM ELEMENT	6. CATEGORY CODE 14162	7. PROJECT NUMBER	8. PROJECT COST (\$000) 32,000		

DETAILED REQUIREMENTS STATEMENTS

GENERAL: Most discussion on the detailed requirements of this project is classified.

DATA ON ACCOMMODATIONS NOW IN USE: The current mission essential function space will not meet the mission partner requirements at Raven Rock Mountain Complex.

ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: There are no other available sites at RRMC. Due to the required mission and security conditions, this facility must be located on the Reservation. No current lease space will provide the security measures nor meet the mission requirements for the project. The selected locations are within underground complex.

ANALYSIS OF CRITERIA FOR NEW CONSTRUCTION: The size and capacity of the project is constrained by the proposed site. In spite of this restriction, all program requirements can be met to support the mission of this facility.

STATEMENT OF PROGRAM RELATED EQUIPMENT: Furnishings, IT hardware (computers, copiers, etc) will be purchased separately from this project. Security systems and installation will be provided in this project.

DISPOSITION OF PRESENT ACCOMMODATIONS: Demolished and excavated material will be removed in accordance with all applicable regulations.

CONTRIBUTION TO MISSION: The benefits of this project to Continuity of Government and the Continuity of Operations are as identified above in previous statements.

CLEAN AIR ACT AMENDMENT OF 1990: Permitting and other procedural requirements mandated by Federal, state, interstate, and local air pollution control agencies will be complied with for this project.

PROTECTION OF WETLANDS: Project has been evaluated for compliance with Executive Order No. 11990 and is not sited in wetland.

REQUEST FOR "EXCEPTION TO CRITERIA ": None

TELECOMMUNICATIONS: Telephone service is available on the Raven Rock site and is within 1000 feet of the proposed site. All telecommunications must be coordinated through the 114th Signal Battalion.

ECONOMIC ANALYSIS: An economic analysis will not be conducted for this project as provided for in the FMR. This project supports RRMC mission readiness established in DoDI 5110.11 Raven Rock Mountain Complex and DoD S-5100.44 Defense and National Leadership Command Capacity. Due to COOP and COG requirements this project is feasible for execution.

POLLUTION ABATEMENT: The design of proposed project includes, where appropriate, the provision of facilities for air and water pollution control IAW applicable regulations.

ASSOCIATED CONSTRUCTION PROJECTS: NA

ENVIRONMENTAL REQUIREMENTS: The project must comply with all applicable federal, state and local environmental regulations, including but not limited to the Clean Water Act (CWA) of 1972 as amended; the Federal Facility Compliance Act of 1992; the Energy Policy Act of 1992; the Noise Control Act of 1972 as amended.

DEFENSE INSTRUCTIONS: All applicable Department of Defense guidance concerning peacetime and continuity construction and energy conservation.

NATIONAL ENVIRONMENTAL POLICY ACT: Project must be analyzed for potential environmental impacts in accordance with applicable regulations, including but not limited to 40 CFR 1500-1518.

NATIONAL HISTORIC PRESERVATION ACT OF 1966: A survey has been completed, and it revealed that this undertaking will not affect, either directly or indirectly, any property included in, or eligible for, inclusion in the National Register of Historic Places.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): 29 CFR 1926 "Construction Standard: The project will be in compliance with the construction standards set forth by OSHA and implemented in the construction projects Safety

1. COMPONENT Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROGRAM					2. DATE March 2013				
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)					4. COMMAND OSD/DAM			5. AREA CONSTRUCTION COST INDEX 1.00			
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
END FY 2011											28,000
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE									N/A		
b. INVENTORY TOTAL AS OF									N/A		
c. AUTHORIZATION NOT YET IN INVENTORY									N/A		
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)									4,100		
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									N/A		
f. PLANNED IN NEXT THREE PROGRAM YEARS									N/A		
g. REMAINING DEFICIENCY									N/A		
h. GRAND TOTAL (1,000)									4,100		
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE	(3) SCOPE									
89410	Exterior Cooling Towers			4,100		11/2013		06/2015			
9. FUTURE PROJECTS N/A											
10. MISSION OR MAJOR FUNCTIONS Existing evaporative cooling towers are old, inefficient, and require significant fan power to bring air to them and exhaust air from them due to their underground location. A new set of cooling towers is to be constructed above ground where outdoor air is readily available to them. Piping from the existing cooling tower location to the new tower will also be installed. In addition, valves and controls will be installed and both chilled water and condenser water piping will be modified so that the new towers can also operate in a "Free Cooling Mode". In the "Free Cooling Mode", the chillers can be shut down when weather conditions are suitable to cool condenser water to temperatures below the desired chilled water supply temperature. The existing underground towers will remain in place and be available for operation for redundancy. Sustainable principles to include life cycle cost-effective practices will be incorporated into the design, development, and construction of the project in accordance with Executive Order 31514 and 13123. Additional requirements are classified.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
				(\$000)							
A. Air Pollution				0							
B. Water Pollution				0							
C. Occupational Safety and Health				0							

1. Component Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROGRAM			2. Date March 2013
3. Installation and Location/UIC: Raven Rock Mountain Complex		4. Project Title Exterior Cooling Tower		
5. Program Element	6. Category Code 89410	7. Project Number	8. Project Cost (\$000) \$4,100	
9. COST ESTIMATES				
			UNIT COST	COST
ITEM	U/M	QUANTITY	(\$000)	(\$000)
PRIMARY FACILITY				2,946
INSTALLED COST OF SYSTEM	LS	1	3,074	2,904
MEASUREMENT AND VERIFICATION	LS	1	45	43
SUPPORTING FACILITIES				0
ELECTRIC SERVICE (included)	LS	1	0	0
WATER, SEWER & GAS (included)	LS	1	0	0
ESTIMATED CONTRACT COST				2,946
CONTINGENCY				589
SUBTOTAL 1				3,535
DESIGN				354
SUBTOTAL 2				3,889
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				253
SUBTOTAL 3				4,142
TOTAL				4,142
TOTAL REQUEST (ROUNDED)				4,100
10. DESCRIPTION OF PROPOSED CONSTRUCTION PROJECT: Construct exterior cooling tower to increase redundancy and energy efficiency.				
REQUIREMENT: Existing evaporative cooling towers are old, inefficient, and require significant fan power to bring air to them and exhaust air from them due to their underground location. A new set of cooling towers is to be constructed above ground where outdoor air is readily available to them. Piping from the existing cooling tower location to the new tower will also be installed. In addition, valves and controls will be installed and both chilled water and condenser water piping will be modified so that the new towers can also operate in a "Free Cooling Mode". In the "Free Cooling Mode", the chillers can be shut down when weather conditions are suitable to cool condenser water to temperatures below the desired chilled water supply temperature. The existing underground towers will remain in place and be available for operation for redundancy. Sustainable principles to include life cycle cost-effective practices will be incorporated into the design, development, and construction of the project in accordance with Executive Order 31514 and 13123.				
Cooling system optimization will help Raven Rock Mountain Complex comply with the Energy Policy Act of 2005, Strategic Sustainability Performance Plan (SSPP), Executive order (EO) 13514, EO 13423, and the Energy Independence and Security Act (EISA) 2007 which require Federal agencies to decrease energy consumption and reduce greenhouse gas (GHG) emissions. Installation of new cooling towers with the ability to provide "free cooling" and installation of chilled water fan coil units will save approximately 8.9 million kWh of electrical energy use, worth \$565,000 per year. This savings of electricity also reduces the site's annual greenhouse gas (GHG) emissions by 6,089 metric tons per year of carbon dioxide equivalent (MTCO ₂ e), supporting Raven Rock's GHG reduction goals as outlined in Executive Order 13514 and the Department of Defense (DoD) Strategic Sustainability Performance Plan (SSPP). Additional requirements are classified.				

1. COMPONENT Washington Headquarters Services	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)	2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)		4. PROJECT TITLE Exterior Cooling Tower	
5. PROGRAM ELEMENT	6. CATEGORY CODE 89410	7. PROJECT NUMBER	8. PROJECT COST (\$000) 4,100

CURRENT SITUATION: Condenser water from electrically powered chillers is currently cooled by old, inefficient underground cooling towers which are located far from any source of outside air. Additional cooling towers are necessary for facility redundancy during other projects. The current system is unable to take advantage of "Free Cooling" opportunities when outdoor air conditions are suitable to cool the facility without operating the chillers. Additional information regarding this project is classified.

IMPACT IF NOT PROVIDED: The proposed project will significantly reduce the energy required to cool the facility. By installing new cooling towers above ground, the fan energy required to efficiently cool condenser water is reduced by about 90%. The proposed system also makes it possible to realize free cooling during over 4,000 hours per year when the outdoor air conditions are suitable to produce chilled water by using only the cooling towers, allowing the chillers to be turned off. Additional information regarding impacts to OSD and other mission partners are classified.

ADDITIONAL: All applicable codes will integrated into this project. Due to security requirements, all construction personnel must possess a minimum SECRET industrial security clearance or be escorted by the contractor at all times.

12. Supplemental Data:

C. ESTIMATED DESIGN DATA:

(1) STATUS:

(a) DATE DESIGN STARTED _____	<u>NOV 2013</u>
(b) PERCENT COMPLETE AS OF JANUARY 2014 _____	<u>15%</u>
(c) DATE DESIGN EXPECTED TO BE 35% COMPLETE _____	<u>MAR 2014</u>
(d) DATE DESIGN EXPECTED TO BE 100% COMPLETE _____	<u>JUN 2014</u>
(e) PARAMETRIC COSTS TO DEVELOP COSTS _____	<u>No</u>
(f) TYPE OF DESIGN CONTRACT _____	<u>DESIGN/BUILD</u>
(g) AN ENERGY STUDY AND LIFE CYCLE COST ANALYSIS WILL BE DOCUMENTED DURING FINAL DESIGN.	

(2) BASIS:

(a) STANDARD OR DEFINITIVE DESIGN	<u>NOT APPLICABLE</u>
(b) WHERE DESIGN WAS MOST RECENTLY USED	<u>NOT APPLICABLE</u>

(3) TOTAL DESIGN COST (\$000)	<u>354</u>
-------------------------------	------------

(4) CONSTRUCTION AWARD DATE	<u>NA</u>
-----------------------------	-----------

(5) CONSTRUCTION START	<u>JUL 2014</u>
------------------------	-----------------

(6) CONSTRUCTION COMPLETION DATE	<u>JUL 2015</u>
----------------------------------	-----------------

D. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROCURED FROM OTHER APPROPRIATIONS:

Washington Headquarters Services		FY 2014 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. DATE March 2013	REPORT CONTROL SYMBOL
3. INSTALLATION AND LOCATION Raven Rock Mountain Complex (RRMC)			4. PROJECT TITLE Exterior Cooling Tower		
5. PROGRAM ELEMENT	6. CATEGORY CODE 89410	7. PROJECT NUMBER	8. PROJECT COST (\$000) 4,100		

DETAILED REQUIREMENTS STATEMENTS

GENERAL: Most discussion on the detailed requirements of this project is classified.

DATA ON ACCOMMODATIONS NOW IN USE: The current cooling towers will not meet the mission partner requirements at Raven Rock Mountain Complex.

ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: There are no other available sites at RRMC. Due to the required mission and security conditions, this facility must be located on the Reservation. No current lease space will provide the security measures nor meet the mission requirements for the project. The selected locations are within underground complex.

ANALYSIS OF CRITERIA FOR NEW CONSTRUCTION: The size and capacity of the project is constrained by the proposed site. In spite of this restriction, all program requirements can be met to support the mission of this facility.

STATEMENT OF PROGRAM RELATED EQUIPMENT: Furnishings, IT hardware (computers, copiers, etc) will be purchased separately from this project. Security systems and installation will be provided in this project.

DISPOSITION OF PRESENT ACCOMMODATIONS: Demolished and excavated material will be removed in accordance with all applicable regulations.

CONTRIBUTION TO MISSION: The benefits of this project to Continuity of Government and the Continuity of Operations are as identified above in previous statements.

CLEAN AIR ACT AMENDMENT OF 1990: Permitting and other procedural requirements mandated by Federal, state, interstate, and local air pollution control agencies will be complied with for this project.

PROTECTION OF WETLANDS: Project has been evaluated for compliance with Executive Order No. 11990 and is not sited in wetland.

REQUEST FOR "EXCEPTION TO CRITERIA ": None

TELECOMMUNICATIONS: Telephone service is available on the Raven Rock site and is within 1000 feet of the proposed site. All telecommunications must be coordinated through the 114th Signal Battalion.

ECONOMIC ANALYSIS: An economic analysis will not be conducted for this project as provided for in the FMR. This project supports RRMC mission readiness established in DoDI 5110.11 Raven Rock Mountain Complex and DoDD S-5100.44 Defense and National Leadership Command Capacity. Due to COOP and COG requirements this project is feasible for execution.

POLLUTION ABATEMENT: The design of proposed project includes, where appropriate, the provision of facilities for air and water pollution control IAW applicable regulations.

ASSOCIATED CONSTRUCTION PROJECTS: NA

ENVIRONMENTAL REQUIREMENTS: The project must comply with all applicable federal, state and local environmental regulations, including but not limited to the Clean Water Act (CWA) of 1972 as amended; the Federal Facility Compliance Act of 1992; the Energy Policy Act of 1992; the Noise Control Act of 1972 as amended.

DEFENSE INSTRUCTIONS: All applicable Department of Defense guidance concerning peacetime and continuity construction and energy conservation.

NATIONAL ENVIRONMENTAL POLICY ACT: Project must be analyzed for potential environmental impacts in accordance with applicable regulations, including but not limited to 40 CFR 1500-1518.

NATIONAL HISTORIC PRESERVATION ACT OF 1966 : A survey has been completed, and it revealed that this undertaking will not affect, either directly or indirectly, any property included in, or eligible for, inclusion in the National Register of Historic Places.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): 29 CFR 1926 "Construction Standard: The project will be in compliance with the construction standards set forth by OSHA and implemented in the construction projects Safety