

**Washington Headquarters Services  
 FY 2019 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>
<b>Virginia</b>				
Pentagon North Village Secondary VACP and Fencing	12,200	12,200	C	206
Raven Rock Exterior Infrastructure and Security Improvements	23,650	23,650	C	211
<b>Total</b>	<b>35,850</b>	<b>35,850</b>		

<b>1. COMPONENT</b> Washington Headquarters Services		<b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>					<b>2. DATE</b> February 2018				
<b>3. INSTALLATION AND LOCATION</b> Pentagon, Arlington VA				<b>4. COMMAND</b> OSD/DCMO/DA/WHS			<b>5. AREA CONSTRUCTION COST INDEX</b> 1.07				
<b>6. PERSONNEL</b>		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 2017											27,488
b. END FY 2022											27,488
<b>7. INVENTORY DATA (\$000)</b>											
a. TOTAL ACREAGE											
b. INVENTORY TOTAL AS OF 30 Sep 2014											
c. AUTHORIZATION NOT YET IN INVENTORY											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)											12,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											21,887
f. PLANNED IN NEXT THREE PROGRAM YEARS											19,941
g. REMAINING DEFICIENCY											0
h. GRAND TOTAL (1,000)											54,028
<b>8. PROJECTS REQUESTED IN THIS PROGRAM</b>											
a. CATEGORY				b. COST (\$000)		DESIGN START		STATUS COMPLETE			
(1) CODE	(2) PROJECT TITLE	(3) SCOPE									
14113	North Village Secondary VACP and Fencing	1,382 SF		12,200	10/2016	01/2018					
<b>9. FUTURE PROJECTS (000)</b>											
73010 Control Tower Fire Day Station		\$21,887									
81350 Replace Switch House 1		\$12,495									
81160 Backup Generator		\$7,446									
<b>10. MISSION OR MAJOR FUNCTIONS</b>											
The Pentagon serves as the Nation's military command center providing critical command and control and support functions to the Department of Defense and its subordinate commands with 6.5 million square feet of office, support and quality of life space.											
<b>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES</b>											
											(\$000)
A. Air Pollution											0
B. Water Pollution											0
C. Occupational Safety and Health											0

<b>1. COMPONENT</b> Washington Headquarters Services		<b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>					<b>2. DATE</b> February 2018					
<b>3. INSTALLATION AND LOCATION</b> Pentagon Reservation (Raven Rock Mountain Complex)				<b>4. COMMAND</b> OSD/DCMO/DA/WHS			<b>5. AREA CONSTRUCTION COST INDEX</b> 1.07					
<b>6. PERSONNEL</b>		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 30 Sep 2017											27,488	
b. END FY 2022											27,488	
<b>7. INVENTORY DATA (\$000)</b>												
a. TOTAL ACREAGE												
b. INVENTORY TOTAL AS OF 30 Sep 2014												
c. AUTHORIZATION NOT YET IN INVENTORY												
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (1,000)												
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM												
f. PLANNED IN NEXT THREE PROGRAM YEARS												
g. REMAINING DEFICIENCY												
h. GRAND TOTAL (1,000)												
<b>8. PROJECTS REQUESTED IN THIS PROGRAM</b>												
a. CATEGORY												
(1) CODE		(2) PROJECT TITLE			(3) SCOPE			b. COST (\$000)		DESIGN START		STATUS COMPLETE
85210		Exterior Infrastructure and Security Improvements			22,634 SY			23,650		09/2017		09/2018
<b>9. FUTURE PROJECTS</b>												
14185 Consolidation Maintenance Complex \$29,580												
<b>10. MISSION OR MAJOR FUNCTIONS</b>												
Raven Rock Mountain Complex provides an enduring platform from where DOD can execute its mission essential functions in support of continuity of operations.												
<b>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES</b>												
(\$000)												
A. Air Pollution 0												
B. Water Pollution 0												
C. Occupational Safety and Health 0												

1. COMPONENT  WHS		FY 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE  February 2018	
3. INSTALLATION AND LOCATION Pentagon Arlington, VA				4. PROJECT TITLE North Village Secondary VACP and Fencing		
5. PROGRAM ELEMENT		6. CATEGORY CODE  141 13	7. PROJECT NUMBER  87645		8. PROJECT COST (\$000)  12,200	
9. COST ESTIMATES						
ITEM		UM	QUANTITY	UNIT COST	COST(\$000)	
PRIMARY FACILITY					5,90	
Vehicle Access Control Point (14113)		EA	1	3,839	(3,839)	
Visitor Control Building (14113)		SF	1,382	1,491	(2,061)	
SUPPORTING FACILITIES					4,69	
Electric Service		LS	--	--	(130)	
Water, Sewer, Gas		LS	--	--	(18)	
Paving, Walks, Curbs And Gutters		LS	--	--	(215)	
Storm Drainage		LS	--	--	(36)	
Site Imp(2,493) Demo(1,799)		LS	--	--	(4,292)	
ESTIMATED CONTRACT COST					10,59	
CONTINGENCY (5.00%)					53	
SUBTOTAL					11,12	
SUPERVISION, INSPECTION & OVERHEAD (5.70%)					63	
DESIGN/BUILD - DESIGN COST (4.0000%)					44	
TOTAL REQUEST (ROUNDED)					12,20	
TOTAL REQUEST					12,20	
EQUIPMENT FROM OTHER APPROPRIATIONS(NON ADD)					(750)	
10. Description of Proposed Construction						
<p>Construct a new permanent Vehicle Access Control Point (VACP) with gate arms, Active Vehicle Barriers, under vehicle screening systems, License Plate Readers, passive vehicle barriers, paving for access roadways and installation of pedestrian turnstile. Includes installation of security equipment, intrusion detection system, closed circuit television, fire alarm system, information system, backup power, uninterruptible power supply canopy with pier footer foundation, precast limestone veneer exterior, and lighting.</p> <p>Construct Visitor Control Building and guard house slab on grade foundation, ballistic rated structure, mechanical and electrical systems, precast limestone veneer exterior, installation of IT and electrical service,</p> <p>Department of Defense principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders.</p>						

1. COMPONENT  WHS	FY 2019 MILITARY CONSTRUCTION PROJECT DATA		2. DATE  February 2018
3. INSTALLATION AND LOCATION Pentagon Arlington, VA		4. PROJECT TITLE North Village Secondary VACP and Fencing	
5. PROGRAM ELEMENT	6. CATEGORY CODE  141 13	7. PROJECT NUMBER  87645	8. PROJECT COST (\$000)  12,200
<p>10. Description of Proposed Construction (Continued)...</p> <p>Supporting facilities include the demolition of the North Village perimeter fence and installation of a crash-rated fence including infrastructure to support lighting and intrusion detection, removal and backfill of the south abandoned waste water basin, demolition of the existing temporary pedestrian access control point and guard post, duct banks for power, telecom, IT, and security, connections for water, sewer utility services, storm drainage with Low Impact Development (LID) measures, concrete walkway, paving, curbs, gutters, exterior lighting, and landscaping.</p> <p>Includes Anti-Terrorism/Force Protection (AT/FP) features and complies with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Low Impact Development and Chesapeake Bay Preservation Act pollutant reduction features will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>			
<p>11. REQ:        1,382 SF            ADQT:            NONE            SUBSTD:            NONE</p> <p>PROJECT: Construct a new permanent ACP and security fencing at the North Village compound.</p> <p>REQUIREMENT: The Pentagon operates a North Village compound adjacent to the North Parking Lot which houses various support functions comprised of GS and contract employees for Washington Headquarters Services and the Pentagon Force Protection Agency. The North Village compound requires an ACP capable of verifying the credentials of and screening both visitors and employees who arrive at the North Village as pedestrians or in a vehicle. In addition, the ACP must integrate with the capabilities at other new vehicle and pedestrian ACPs recently constructed and approved for construction at the Pentagon in order to maximize operational and maintenance efficiency and cost effectiveness. Replacement of the North Village perimeter fence is required in conjunction with the ACP upgrade to secure the compound in compliance with DoD antiterrorism policy.</p>			

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3. INSTALLATION AND LOCATION Pentagon Arlington, VA		4. PROJECT TITLE North Village Secondary VACP and Fencing	
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**CURRENT SITUATION:**

The current temporary ACP was installed after 9/11 to quickly address security protocols in place at the time similar to other original, temporary vehicle and pedestrian ACPs around the Pentagon. The current ACP configuration contains a non-crash rated, motorized vehicle gate for access control, which does not meet current DoD antiterrorism policy. Lack of vehicles barriers make the ACP vulnerable to breaching and lack of a reject lane does not allow the attending officers the ability to securely and efficiently reject a vehicle that will not be permitted access to the secure area. The current ACP is comprised of a prefabricated metal guard booth with room for a single officer. It lacks the space to install and utilize standard screening equipment, and therefore, the ability to screen visitors such as at the Pentagon's main facility or the ability to screen employees when conditions require it. The current perimeter fence at the North Village compound is not crash rated and does not conform to current DoD antiterrorism standards.

**IMPACT IF NOT PROVIDED:**

Efficient, safe and secure screening and control of vehicles and pedestrians entering the North Village will not be achieved and the compound will continue to lack protection from vehicles breaching the perimeter fence.

**ADDITIONAL:**

Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Mission requirements, operational considerations, and location are incompatible for joint use potential.

Washington Headquarters Services/Facilities Services Directorate/703-697-7241

**12. SUPPLEMENTAL DATA:**

**A. Estimated Execution Data:**

(1) Acquisition Strategy: Design-build

(2) Design Data:

(a) Design or Request for Proposal (RFP) Started.....	<u>OCT 2016</u>
(b) Percent of Design Completed as of JAN 2018.....	<u>35</u>
(c) Design or RFP Complete.....	<u>JAN 2018</u>
(d) Total Design Cost.....	<u>692,556</u>
(e) Energy Study and/or Life Cycle Cost Analysis performed?	<u>NO</u>
(f) Standard or Definitive Design Used?.....	<u>NO</u>

(3) Construction Data:

(a) Contract Award.....	<u>JAN 2019</u>
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1. COMPONENT  WHS	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  February 2018
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3. INSTALLATION AND LOCATION Pentagon Arlington, VA	4. PROJECT TITLE North Village Secondary VACP and Fencing
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5. PROGRAM ELEMENT	6. CATEGORY CODE  141 13	7. PROJECT NUMBER  87645	8. PROJECT COST (\$000)  12,200
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12. SUPPLEMENTAL DATA: (Continued)...

A. Estimated Execution Data:

(b) Construction Start.....	JUL 2019
(c) Construction Complete.....	JUL 2021

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Security Equipment	PRMRF	2020	\$750

1. COMPONENT  WHS		FY 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE  February 2018	
3. INSTALLATION AND LOCATION  Pentagon Reservation (Raven Rock Mountain Complex)			4. PROJECT TITLE  Exterior Infrastructure and Security Improvements			
5. PROGRAM ELEMENT		6. CATEGORY CODE  852 10	7. PROJECT NUMBER  88790		8. PROJECT COST (\$000)  23,650	
9. COST ESTIMATES						
ITEM		UM	QUANTITY	UNIT COST	COST(\$000)	
PRIMARY FACILITY					8,388	
Organizational Vehicle Parking (85210)		SY	22,634	74.33	(1,682)	
Visitor Control Building East (14113)		SF	960	733.36	(704)	
Vehicle Access Control Point (VACP) East (14113)		EA	1	2,593	(2,593)	
Vehicle Access Control Point (VACP) West (14113)		EA	1	3,409	(3,409)	
SUPPORTING FACILITIES					12,922	
Electric Service		LS	--	--	(2,045)	
Water, Sewer, Gas		LS	--	--	(1,449)	
Paving, Walks, Curbs And Gutters		LS	--	--	(1,889)	
Storm Drainage		LS	--	--	(2,272)	
Site Imp(3,739) Demo(604)		LS	--	--	(4,343)	
Information Systems		LS	--	--	(348)	
Post Construction Award Services (PCAS)		LS	--	--	(576)	
ESTIMATED CONTRACT COST					21,310	
CONTINGENCY (5.00%)					1,066	
SUBTOTAL					22,376	
SUPERVISION, INSPECTION & OVERHEAD (5.70%)					1,274	
TOTAL REQUEST (ROUNDED)					24,000	
TOTAL REQUEST					23,650	
EQUIPMENT FROM OTHER APPROPRIATIONS(NON ADD)					(8,500)	
10. Description of Proposed Construction Construct additional parking utilizing a mix of asphalt paving and stone areas. Construct a concrete masonry unit building with a standing seam roof that contains a lobby, two offices, and restroom. Construct a VACP at the east entrance of the facility that consists of a guard booth, canopy, barriers, paving, storm drain system, lighting, building information systems, and security fencing. Construct a VACP at the west entrance of the facility that consists of a guard booth, canopy, barriers, paving, storm drain system, lighting, building information systems, and security fencing. Department of Defense principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with Federal laws and Executive Orders.  Electrical services will include underground distribution to include conduit, cabling, and manholes to support new barriers, buildings, and lighting. This also includes new transformers and connections to existing emergency power sources. Construct a new sanitary sewer line to connect buildings along the roadway to the facility's current sanitary sewer system to include the line, excavation, pumps, and lift stations. Sewer connections to existing buildings will be included.						

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5. PROGRAM ELEMENT	6. CATEGORY CODE  852 10	7. PROJECT NUMBER  88790	8. PROJECT COST (\$000)  23,650	
<p>10. Description of Proposed Construction (Continued)...</p> <p>Paving in various locations includes resurfacing of existing pavement, new paving in the parking areas and access roads, and along the roadway. Construction of curb and gutter for storm water management and passive security barriers. Replacement and addition of sidewalks along parking areas are also included.</p> <p>Storm drainage included to accommodate the increase in non-porous surfaces, structures, and grading. Storm water management will follow guidance from state standards and studies.</p> <p>Site Improvements will include replacement of security fencing along site perimeter, excavation for parking area, and slope/retaining structures.</p> <p>Demolition includes the removal of asphalt, canopies, guard booth, fencing, and building debris.</p> <p>Information Systems are included to support new construction and consists of cabling, conduit, and manholes.</p> <p>Antiterrorism Measures will include passive and active vehicle barriers with comprehensive control systems, fencing, and electronic security surveillance.</p> <p>Facilities designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. REQ: 29,447 SY                      ADQT: 6,813 SY                      SUBSTD: 22,634 SY</p>				
<p>PROJECT: Construct a new VACP at East Gate and West Gate, construct parking areas, visitor control building, sanitary sewer line, storm water system and erosion control measures, and security measures.</p>				
<p>REQUIREMENT: Raven Rock Mountain Complex requires two VACPs with the ability to vet vehicle traffic as well as perimeter fencing that meets ATRP criteria to enhance perimeter security. Parking is required to be increased to meet the requirements of DoD Directive 3020.26 Department of Defense Continuity Programs. Visitor control is required at East VACP in order to provide the capability to screen personnel at both site entrances. Sanitary sewer modernization is required to connect facilities near the East and West Gates with the existing wastewater infrastructure, in order to eliminate regular, manual collection of waste. The storm water system must be modernized to eliminate constant erosion to the site perimeter.</p>				
<p>CURRENT SITUATION: The existing ACPs at the east and west entrances are deteriorated and not sufficient for personnel to perform daily functions. Existing parking at the site cannot accommodate mission essential functions per DoD Directive. The current sanitary sewer system utilizes holding tanks that do not connect all facilities to the existing waste water system and requires transfer of material by trailer to the wastewater treatment facility. Due to the antiquated design of the existing storm water system at the site, constant repair of erosion damage to fencing and roadways is required. Water leaving the site presents a risk of damage to private property below.</p>				

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IMPACT IF NOT PROVIDED:  
Force protection officers will continue to use security devices and facilities that are inadequate in meeting site security. In addition, the site will also continuously repair erosion damage to the fencing and roadways caused by an inadequate storm water system that will continue to deteriorate and discharge water onto neighboring private property causing damage. The sanitary sewer system will continue to require an inadequate work around to convey materials to the treatment plant. The site will remain deficient for parking available when called upon to perform its essential DoD mission.

ADDITIONAL:  
Alternative methods of meeting this requirement have been explored and this project is the only feasible option to meet the requirement. Mission Requirements, operational considerations, and location are incompatible for joint use potential.  
Washington Headquarters Services/Facilities Services Directorate/ 703-697-7241

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy: Design-bid-build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started.....	SEP 2017
(b) Percent of Design Completed as of JAN 2017.....	35%
(c) Design or RFP Complete.....	SEP 2018
(d) Total Design Cost.....	2,365
(e) Energy Study and/or Life Cycle Cost Analysis performed?	NO
(f) Standard or Definitive Design Used?.....	NO
(3) Construction Data:	
(a) Contract Award.....	MAR 2019
(b) Construction Start.....	MAY 2019
(c) Construction Complete.....	OCT 2021

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Security Equipment	PRMRF	2019	1,645
Security Equipment	PRMRF	2020	2,990
Security Equipment	PRMRF	2021	650
Information Systems	PRMRF	2019	855
Information Systems	PRMRF	2020	1,985
Information Systems	PRMRF	2021	350
Loading Dock Equipment	PRMRF	2020	25