

1. Component NAVY	FY 2005 MILITARY CONSTRUCTION PROGRAM	2. Date 13 JAN 2004
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3. Installation and Location/UIC: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4. Project Title GATE 5 SECURITY IMPROVEMENTS - CT
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5. Program Element 0203476N	6. Category Code 87210	7. Project Number P541	8. Project Cost (\$000) 2,850
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9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost(\$000)
GATE 5 SECURITY IMPROVEMENTS - CT	LS			1850
GUARD HOUSE (474 SF)	m2	44	6,300.00	(280)
ACTIVE VEHICLE BARRIER	EA	6	88,000.00	(530)
ELEVATED CONTROL LANE ISLAND W/BULLNOSE	EA	2	8,250.00	(20)
GUARD HOUSE CANOPY	m2	418	1,295.00	(540)
PASSIVE VEHICLE BARRIER	m	626	350.00	(220)
SECURITY FENCING	m	250	271.68	(70)
SINGLE FIRING POSITION/SHELTER	EA	1	53,000.00	(50)
VEHICLE INSPECTOR & POV OCCUPANT SHELTER	EA	1	14,000.00	(10)
BUILT-IN EQUIPMENT	LS			(120)
TECHNICAL OPERATING MANUALS	LS			(10)
SUPPORTING FACILITIES				710
ELECTRICAL UTILITIES	LS			(120)
MECHANICAL UTILITIES	LS			(80)
PAVING AND SITE IMPROVEMENTS	LS			(380)
SITE PREPARATIONS	LS			(100)
DEMOLITION	LS			(30)
SUBTOTAL				2560
CONTINGENCY (5%)				130
TOTAL CONTRACT COST				2690
SIOH (6%)				160
SUBTOTAL				2850
TOTAL REQUEST ROUNDED				2850
TOTAL REQUEST				2850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(95)

10. Description of Proposed Construction

Project will install the Combating Terrorism (CT) measures at Gate 5 at Naval Amphibious Base (NAB) Little Creek to provide the proper Anti-Terrorism/Force Protection (AT/FP) measures required to meet security requirements and terrorist threats. The project will replace the existing gate structure; install cable-reinforced security fencing with concrete anchors surrounding the revised gate location; demolish the old guardhouse; construct a hardened guardhouse with head facilities, intrusion detection system (IDS), closed circuit television (CCTV), local area network (LAN), and base-wide duress alarm system; provide pump station to accommodate new head facilities; construct a guard house canopy with security lighting and signage; upgrade the surrounding site lighting; provide two elevated control lane islands with bullnose protection, permanent passive barriers from gate to active vehicle barriers, active vehicle barriers (six total) located in both inbound and outbound lanes, raised traffic median, elevated firing position, and an inspection and rejection area for privately owned vehicles (POVs) to include a vehicle

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<p>inspector and shelter for POV occupants to wait during vehicle inspections; relocate the signal pole to a raised median located at the entrance of Gate 5; construct a third lane entering and exiting Gate 5; and demolish and relocate the sidewalk and install a pedestrian turnstile with I.D. card reader. The gate will be located at the installation perimeter to allow the base to be closed. Technical operating manuals are included. Sustainable principles will be integrated into the design development, and construction in accordance with Executive Order 13123 and other laws and executive orders.</p>				
<p>11. Requirement: <u>LS</u> Adequate: <u>LS</u> Substandard: <u>LS</u></p> <p>PROJECT: Project constructs required AT/FP measures at Gate 5 at NAB Little Creek. (Current Mission)</p> <p>REQUIREMENT: The gates/guard stations are the installation's first line of defense against terrorist attacks. The major threat at NAB Little Creek is a car or truck, with a bomb or some other form of weapon, breaching the base's security. Such a vehicle could reach some of the vital piers, Navy Exchange, base gym and the chapel located directly north of Gate 5 within minutes. Security barriers are required to stop unauthorized vehicles from entering the station during increased threat conditions. NAB Little Creek is the major east coast homeport base for the amphibious forces of the US Atlantic Fleet. Its mission is to provide continuously improving support and services to operating forces and shore commands, and to enhance the quality of life within the Naval community. Personnel provide required support services to nearly 30 homeported ships and nearly 80 tenant and/or supported commands. NAB Little Creek is also the east coast facility designed and constructed specifically for Landing Craft "Aircushion" (LCAC) support and maintenance. Furthermore, NAB Little Creek is home to Naval Special Warfare Group Two and SEAL Teams Two, Four, Eight, and Ten. These activities make NAB Little Creek a prime target for terrorist attacks.</p> <p>CURRENT SITUATION: Currently, Gate 5 uses "Jersey barriers" in a serpentine configuration to slow down incoming traffic, which is limited to one lane. The process of placing these temporary barriers at perimeter gates can hamper security efforts and takes an unnecessary amount of time when the FPCON is rapidly increasing. During a normal deployment schedule, approximately 2,332 vehicles use Gate 5 during morning rush hours alone, resulting in major traffic congestion problems. The maximum observed/estimated queue time is a good illustration of the traffic congestion problems. The queue at NAB Little Creek Gate 5 is 260 vehicles with a 15 minute wait utilizing four identification checkers and two lanes.</p> <p>The guardhouse is in a dilapidated state with all electrical conduit exposed, and there</p>				

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<p>is neither insulation, head facilities, nor bullet-resistant windows, walls, or doors present. There is also inadequate space for trucks to turnaround when they mistakenly arrive at Gate 5. To reroute the trucks, guards must stop all traffic, inbound and outbound, pull the truck up into the trees to allow for more room to back up, and then have the driver drive across the median to the outbound lanes. This creates severe traffic back-ups, especially during the already congested rush hours.</p> <p>IMPACT IF NOT PROVIDED: Gate 5 at NAB Little Creek will remain an easy target for terrorists to breach security with a car bomb or other forms of weapons.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of SEPTEMBER 2003				5%
(E) Percent Completed as of JANUARY 2004				35%
(F) Type of Design Contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$205
(A) Production of Plans and Specifications				\$154
(B) All other Design Costs				\$51
(C) Total				\$205
(D) Contract				\$128
(E) In-House				\$77
4. Contract Award				112004
5. Construction Start				122004
6. Construction Complete				122005
B. Equipment associated with this project which will be provided from other appropriations:				

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<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Cameras	OPN	2005	20
Digital Recorder	OPN	2005	45
Duress Alarm	OPN	2005	5
MUX and Controller	OPN	2005	20
Monitor	OPN	2005	5

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.

Activity POC: RON RICE, REGIONAL ENGINEER

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