

Fort Example
CONUS Infantry Platoon Battle Course

178 97 59839 3,850

1.0000 /US\$

PRIMARY FACILITY				3,278
Stationary Infantry Tgt. Emplmt	EA	41	3,342	(137)
Moving Infantry Tgt. Emplmt	EA	14	7,404	(104)
Stationary Armor Tgt. Emplmt	EA	6	11,782	(71)
Moving Armor Tgt. Emplmt	EA	1	276,950	(277)
Additional Elec. MAT Quan.	EA	1	27,971	(28)
Total from Continuation page(s)				(2,661)
SUPPORTING FACILITIES				180
Electric Service	LS	--	--	(180)

ESTIMATED CONTRACT COST				3,458
CONTINGENCY PERCENT (5.00%)				<u>173</u>
SUBTOTAL				3,631
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				<u>207</u>
TOTAL REQUEST				3,838
TOTAL REQUEST (ROUNDED)				3,850
INSTALLED EQT-OTHER APPROPRIATIONS				(0)

Construct a standard Infantry Platoon Battle Course (IPBC) consisting of 6 objectives for training specific platoon battlefield skills. Primary Facilities are located within the perimeter of the range complex and include Stationary Infantry Targets (SIT), Stationary Armor Targets (SAT), Moving Armor Target (MAT), Moving Infantry Targets (MIT), Machine Gun Bunkers, Trench Obstacle, Assault/Defend House, Landing Zones, Small Range Operations Center, General Instruction Building, Ammo Breakdown Building, Operations/Storage Building, Latrine, Bleacher Enclosure, Covered Mess, service roads, site improvements and associated range power and data transfer cabling. Supporting facilities include electric service, utilities, and information systems. Approximately ___ square feet of facilities will be demolished. Unexploded ordnance contamination is expected on the project site. Surface clearance will be performed prior to construction start; subsurface clearance will be performed during construction using funding other than MILCON. Heating and air conditioning (___ tons) will be provided by self-contained units.

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9. COST ESTIMATES (CONTINUED)

Item	U/M	Qty	Unit Cost	Cost (\$000)
PRIMARY FACILITY (CONTINUED)				2,661
Mortar Simulation Device	EA	8	1,225	(10)
Machinegun Observation Bunker	EA	9	7,695	(69)
Fighting Trench	EA	1	97,229	(97)
Assault/Defend House	EA	1	48,190	(48)
Power Center Emplacement	EA	8	2,638	(21)
Service Roads	LS	--	--	(212)
Grading & Drainage	LS	--	--	(232)
Clearing & Grubbing	LS	--	--	(276)
Demolition	LS	--	--	(1)
Limit Markers	EA	12	1,768	(21)
Security Barrier	LS	--	--	(3)
Range Operations & Control Area	LS	--	--	(96)
Downrange Electrical	LS	--	--	(1,142)
Range Operations Center, Small	m2	78.50	1,009	(79)
Operations/Storage Building	m2	74.32	993.45	(74)
General Instruction Building	m2	74.32	997.86	(74)
Latrine, Dual Sex, Aerated Vault	m2	18.02	2,889	(52)
Bleacher Enclosure	m2	54.44	1,259	(69)
Covered Mess	m2	72	764.03	(55)
Ammo Breakdown Building	m2	10.78	2,754	(30)

Description of Proposed Construction: (CONTINUED)
Anti-terrorism/force protection measures include ____.

11. REQ: NONE ADQT: NONE SUBSTD: NONE

PROJECT:
Construct a standard Infantry Platoon Battle Course (IPBC). ([New][Current] mission)

REQUIREMENT:
This information is prepared to address the question "Why is the project needed now?" A continuing need for the project should also be indicated. Include a sentence stating the average daily loads/training throughput. Any alternatives to project construction should be identified along with the corresponding rationale for rejection. In cases where the project is required to support unit activations, stationing actions or equipment modernization, clearly indicate what type of unit or what type of equipment has generated the programming action. List the units generically, not specifically. Also,

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REQUIREMENT: (CONTINUED)

provide a statement indicating if the project has been validated by the Range Development Plan.

CURRENT SITUATION:

This information is required to answer the questions "How is the need currently being met" and "How does the unit currently operate?" Avoid emotional appeals. Be factual. Do not state that mission is not being met, instead describe the deficiencies in meeting mission. Include all factors considered in determining that the current facilities are not suitable for continued use.

IMPACT IF NOT PROVIDED:

Information contained in this subsection will describe the results if the project is not approved and constructed. Indicate, where applicable, any adverse impacts on overall mission accomplishment, safety, etc. Do not just repeat the Current Situation. This paragraph defines the forecasted adverse impact on the continuing operation or mission. Begin this subsection with, "If this project is not provided..."

ADDITIONAL:

Information in this subsection is easily entered by using the "Standard Statement Assistance" in the PAX processor. The statement choices for a typical range project follow:> Physical Security ñ 1st choice AT/FP ñ 1st choice Econ Analysis ñ 2nd choice Joint Use Certification ñ 2nd choice Sustainable Principles ñ yes This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism/force protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders.

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ESTIMATED CONSTRUCTION START:	APR 2004	INDEX: 2221
ESTIMATED MIDPOINT OF CONSTRUCTION:	JAN 2005	INDEX: 2249
ESTIMATED CONSTRUCTION COMPLETION:	OCT 2005	INDEX: 2279

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U/M Qty Unit Cost
Cost (\$000)

PRIMARY FACILITY.

GENERAL.

1.0)	17710	Stationary Infantry Tgt. Emplmt	EA	41	3,342	(137)
1)		Electrical	EA	41	2,648	109
2)		Architectural / Structural	EA	41	693.92	28
2.0)	17710	Moving Infantry Tgt. Emplmt	EA	14	7,404	(104)
1)		Architectural / Structural	EA	14	4,753	67
2)		Electrical	EA	14	2,651	37
3.0)	17710	Stationary Armor Tgt. Emplmt	EA	6	11,782	(71)
1)		Electrical	EA	6	2,651	16
2)		Architectural / Structural	EA	6	9,131	55
4.0)	17710	Moving Armor Tgt. Emplmt	EA	1	276,950	(277)
1)		Electrical	EA	1	441.85	0
2)		Architectural / Structural	EA	1	276,508	277
5.0)	17710	Additional Elec. MAT Quan.	EA	1	27,971	(28)
1)		Transformers- T6	EA	1	27,971	28
6.0)	17710	Mortar Simulation Device	EA	8	1,225	(10)
1)		Electrical	EA	8	75.79	1
2)		Architectural / Structural	EA	8	1,149	9
7.0)	17710	Machinegun Observation Bunker	EA	9	7,695	(69)
1)		Concrete, Timbers, Rebar	EA	9	7,695	69
8.0)	17710	Fighting Trench	EA	1	97,229	(97)
1)		Excavation, Timbers, Concrete	EA	1	97,229	97
9.0)	17710	Assault/Defend House	EA	1	48,190	(48)
1)		Fill	LS	--	--	3
2)		Structure	LS	--	--	39
3)		Stationary Infantry Tgt. Emplmt	EA	2	3,095	6
10.0)	17710	Power Center Emplacement	EA	8	2,638	(21)
1)		Architectural / Structural	EA	8	2,638	21
11.0)	85710	Service Roads	LS	--	--	(212)
1)		Targets Service Roads	LS	--	--	212
12.0)	87120	Grading & Drainage	LS	--	--	(232)
1)		Grading, Drainage & Erosion Pro	LS	--	--	220
2)		Landing Zone	LS	--	--	12
13.0)	93210	Clearing & Grubbing	LS	--	--	(276)
1)		Clear Trees & Grub Stumps	LS	--	--	276
14.0)	93310	Demolition	LS	--	--	(1)
1)		Demolition of Existing Structur	LS	--	--	1
15.0)	17710	Limit Markers	EA	12	1,768	(21)
1)		Wooden Construction	EA	12	1,768	21
16.0)	87250	Security Barrier	LS	--	--	(3)

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		U/M	Qty	Unit Cost	Cost (\$000)
1)	Steel Pipe Swing Barrier	LS	--	--	3
17.0)	85710 Range Operations & Control Area	LS	--	--	(96)
1)	Fill Under Buildings	LS	--	--	6
2)	Access Road Upgrade	LS	--	--	26
3)	Fencing	LS	--	--	15
4)	Sidewalks	LS	--	--	1
5)	Parking	LS	--	--	12
6)	Grading and Drainage	LS	--	--	30
7)	Range Flag Pole	EA	1	5,839	6
18.0)	81242 Downrange Electrical	LS	--	--	(1,142)
1)	Telephone	LS	--	--	9
2)	Power Center- PC 1, 2, 3, and 7	LS	--	--	67
3)	Power Center- PC 8 and 9	LS	--	--	33
4)	Power Center- PC 5 and 6	LS	--	--	29
5)	Power Center- ROC	LS	--	--	20
6)	Concrete Encasement	LS	--	--	9
7)	Secondary Utilities	LS	--	--	243
8)	Strobe Lamp on Pole	LS	--	--	3
9)	Testing	LS	--	--	8
10)	Limit Marker Lighting	LS	--	--	28
11)	Fiber Optics	LS	--	--	244
12)	Primary Utilities	LS	--	--	214
13)	Primary Trenching	LS	--	--	199
14)	Sectionalizing Switches	LS	--	--	35
19.0)	17123 Range Operations Center, Small	m2	78.50	1,009	(79)
1)	ARCHITECTURAL/STRUCTURAL	m2	78.50	723.58	57
2)	MECHANICAL	m2	78.50	84.50	7
3)	ELECTRICAL	m2	78.50	200.54	16
20.0)	17122 Operations/Storage Building	m2	74.32	993.45	(74)
1)	ARCHITECTURAL/STRUCTURAL	m2	74.32	692.37	51
2)	MECHANICAL	m2	74.32	89.24	7
3)	ELECTRICAL	m2	74.32	211.84	16
21.0)	17120 General Instruction Building	m2	74.32	997.86	(74)
1)	ARCHITECTURAL/STRUCTURAL	m2	74.32	636.93	47
2)	MECHANICAL	m2	74.32	142.73	11
3)	ELECTRICAL	m2	74.32	218.19	16
22.0)	00000 Latrine, Dual Sex, Aerated Vault	m2	18.02	2,889	(52)
1)	ARCHITECTURAL/STRUCTURAL	m2	18.02	1,577	28
2)	MECHANICAL	m2	18.02	907.21	16
3)	ELECTRICAL	m2	18.02	404.77	7
23.0)	00000 Bleacher Enclosure	m2	54.44	1,259	(69)
1)	ARCHITECTURAL/STRUCTURAL	m2	54.44	1,014	55
2)	ELECTRICAL	m2	54.44	244.45	13

