1	A.PROJECT TIT DRIVER TRAI	LE NING SCHOOL	
R I	8. PROJECT CO	ST (\$000) 14,710	
0 (1) U/N 1	QUANTITY :	UNIT : Cost :	COST (\$000)
	116 022 1	50 10 1	4.04
	74 530	17.10	1 1 75
1 36 1	101001	0/. TJ 1	( 21
: SF :	225	75.56	1
1 15		,	
I SF	14.090	66.71	( 94
ILS I			( 23
I SF I	70,000	46.79	( 3,27
ILS			( 23
I SF	5,168	25.15	( 13
I LS			(
I LS			6,41
: LS			( 24
1 LS			( 1)
I LS			( 6)
1 LS			( 2,1)
: LS			( 1,4:
I LS			
i LS	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
i LS			( 1,30
	1.		17.26
			10,10
i			13.9
			7
i		1.000	14.7
Contraction of the second second	1		14.7
1			
	R U/M I SF I SF I SF I SF I SF I SF I SF I SF	:4. PROJECT TIT         : DRIVER TRAIL         R       :8. PROJECT CO         :       :         R       :8. PROJECT CO         :       :         SF       :116,022         SF       :26,539         :       : </td <td>:4. PROJECT TITLE         : DRIVER TRAINING SCHOOL         R       :8. PROJECT COST (\$000)         :       14,710             Image: SF       116,022         :       :5F         :       :5F<!--</td--></td>	:4. PROJECT TITLE         : DRIVER TRAINING SCHOOL         R       :8. PROJECT COST (\$000)         :       14,710             Image: SF       116,022         :       :5F         :       :5F </td



1. COMPONENT		FY 1991	MILITARY CONSTRUCTION	1 12. DATE
NAVY	Close	- marginging	PROJECT DATA	1 30-Oct
3. INSTALLATION MCB CAMP LEJE	I AND LOCATION SUNE JACKSONVILL	.E, N.C.		
4. PROJECT TITLE DRIVER TRAINI	ING SCHOOL			: 5. PROJECT NUMBER : P- BO7
10. DESCRIPTION OF PROF B. DISPATCH BUILDING: Interior support system	OSED CONSTRUCTIO includes concre is consists of pl	DN: (CONTINUED) ete foundation, br Lumbing, HVAC, ele	ick and masonry walls, metal rom ctrical, communications, and fig	of framing and built up ro
C. VEHICLE MAINTENANCE structure with high bay systems include plumbin lube system, hydraulic	SHOP: contains area, brick and g, HVAC, electri lifts, overhead	timber piles, pil d concrete masonry ical, communicatio bridge crane, and	e caps, concrete slabs on grade walls, insulation and built up ns, fire alarm, sprinklers, com engine exhaust system.	, steel frame and roof roof. Interior support pressed air, central
D. APPLIED INSTRUCTION steel structure, insula Interior support system sprinkler, and engine e	H BUILDINGS (4): nted metal exteri ns include plumbi exhaust systems.	includes timber for walls, conrete ing, heating, vent	piles, pile caps, concrete slab masonry interior walls, and in ilating, electrical, communicat	s on grade, pre-engineered sulated metal roof. ions, fire alarm,
E. TRAINING SHELTER: of and insulated metal roo	contains timber p of. Shelter supp	biles, pile caps, port systems inclu	concrete slab on grade, pre-eng de plumbing, electrical, and fin	ineered steel structure, re alarm systems.
SUPPORTING FACILITIES:				
Supporting facilities i sewer, storm drainange, in certain areas, water buildings, underground and repair racks, concr area, fencing and area	nclude developme steam, electric , sanitary sewer petroleum storag ete and bitumino lighting.	ent of approximate cal, and telephone , and steam. Sup ge monitoring well bus parking, drive	ly 20 acres, utilities, water, s Size of facility will require port facilities will also inclus s, oil seperators, hazardous and s and roads, fording pit, drivin	forced main sanitary e up grading of utilities de site surcharge under d flamable storage, wash ng skills road test
11. REQUIREMENTS:				
PRDJECT: Construct an A Consolidated Driver Tra	Academic/Applied/ Mining School.	Vehicle Maintenan	ce Facililty as permanent facili	ities for the East Coast
REQUIREMENTS: Provde ad organizational vehicles Training School maintai vehicle maintenance wor following courses:	quate facilities along with firs ns over 400 piec kers. The schoo	s for training mil st and second eche ses of rolling sto ol provides academ	itary personnel in the operation lon maintenance. The East Coast ck and employs approximately 110 ic instruction for 3,334 student	n of various types of t Consolidated Driver D instructors and 20 ts annually in the
Motor Vehicle	Operator's Cour	se (MVOC)	249 hours	
Automotive Or	gainzational Mai	nt. Course (AOMC)	118 hours	
Tractor Trail	er Operator Cour	se (TTOC)	168.65 hours	
Seei-Trailer	Refueler Operato	r Course (SROC)	67 hours	



i. CO	MPDNENT Navy		FY 1991	MILITARY CONSTRUCTION PROJECT DATA		1 12. 1	DATE 30-Oct-87
3.	INSTALLATION MCB CAMP LEJE	I AND LOCATION UNE JACKSONVILLE	., N.C.				
4. PRO	JECT TITLE DRIVER TRAINI	N& SCHOOL			5. 	PROJECT	NUMBER 807
11. R	EQUIREMENTS: (CO	NTINUED)	Section 1				

The applied instruction section provides training of personnel on first and second echelon maintenance utilizing 100 vehicles at any given time.

CURRENT SITUATION: The MVOC is a new mission and no facilities exist in the Camp Johnson Area that can be utilized in support of this mission. Existing inadequate facilities in the Camp Geiger area will be utilized until new construction is completed.

IMPACT IF NOT PROVIDED: The training of Marine Corps personnel will continue in facilities which are not conducive to a good learning experience which will continue to impair the effectiveness of the training program and the Marine Corps mission.



LOCATION: NCB CANP LEJEUNE JACKSONVILLE, N.C. ACF: 0.84 FER PREPARED BY: R.C. DULIN DATE: 29-Oct-87 CONTINGENO BUILDING #: 1 BUILDING SIZE: 26,539 SF \$/SF \$/SYS SYS QUAN (UM) TOTAL BUILDING	Y:	N/A 52 BUILT IN EQUIPMENT 0 0
PREPARED BY: R.C. DULIN     DATE: 29-Oct-87     CONTINGEND       BUILDING #: 1     26,539 SF     \$/SF     \$/SYS     SYS QUAN     (UM) TOTAL     BUILDING	0 1 0 1 0 1	57 BUILT IN EQUIPMENT 0 0
BUILDING #: 1 BUILDING SIZE: 26,539 SF \$/SF \$/SYS SYS QUAN (UM) TOTAL BUILDING	01	BUILT IN EQUIPMENT 0 0
	01	0
		0
	01	0
112 SLAR ON SRAME ! 2 99 ! 2 99 ! 24 570 105 ! 74 000 ! 128,00	0 1	•
113 STRICTURAL ! 8.09 ! 8.09 ! 26.570 ICE ! 215.000 ! 215.00		0
141 RODE SYSTEM : 10.19 ! 10.19 ! 26.539 ISE ! 270.000 ! 270.00	0 1	0
142 EXTERIOR WALL SYSTEM : 3.45 ! 13.45 ! 7.700 !SF ! 97.000 ! 97.00	0 1	0
143 INTERIOR WALL SYSTEM : 4.31 : 4.87 : 23,500 :SF : 114.000 : 114.00	0 !	0
144 INTERIOR FINISHES   3.80   3.80   26.539   SF   101.000   101.00	0 !	0
145 DOORS AND WINDOWS   3.44   39.73   2.300  SF   91.000   91.00	0 1	0
147 SPECIALTIES 1 5.48 1 5.48 1 26.539 ISF 1 145.000 1 145.00	0 !	0
211 PLUMBING   3.13   1660.00   50  FIX   83.000   83.00	0 1	0
213 RDDF DRAINS : 1.05 : 1990.00 : 14 EA : 28.000 : 28.00	0 1	0
221 HVAC : 9.53 : 3161.00 : BO :TON : 253.000 : 253.00	0 1	0
244 COMPRESSED AIR 1.00 1 1.51 1 800.00 1 50 1CFM 1 40.000 1	0 1	40.000
271 SPRINKLERS 1.00 : 1.71 : 1.71 : 26,539 :SF : 45.000 :	0 1	45.000
275 FIRE ALARM SYSTEM 1.00 : 0.75 : 0.75 : 26,539 :SF : 20,000 :	0 1	20.000
311 POWER : 5.99 : 530.00 : 300 :KW : 159,000 : 159,00	0 1	0
312 LIGHTING 1.00   3.73   3.73   26,539  SF   99,000	0 1	99.000
332 EMCS 1.00 ; 0.45 ; 12000.00 ; 1  EA ; 12,000 ;	0 :	12,000
341 TELEPHONE 1.00 : 0.44 : 0.44 : 26,539 :SF : 12,000 :	0 :	12,000
342 INTERCOM 1.00 ! 0.43 ! 0.43 ! 26,539 ISF ! 11,000 !	0 :	11,000
344 PUBLIC ANNOUNCEMENT 0.58 0.58 26,539 ISF 1 15,000 1 15,00	0 1	0
SUBTOTAL BUILDING DNLY : 76.54 : : : : : : 2,029,000 : 1,790,00	ō	239,000
CQM 1 0.00 1 1 1 1 1	0 1	0
DMSI 1 0.00 1	0 1	0
TOTAL BUILDING COST : 76.54 : : : 2,029,000 : 1,790,00	ōi	239,000

The work

TITLE: DRIVER TRAINING SCHOOL COST ESCALATED TO:						APRIL 1991
LOCATION: MCB CAMP LEJEUNE	ACKSONVIL	LE, N.C.		ACF: 0.84	FER:	N/A
PREPARED BY: R.C. DULIN	DATE:	29-Oct-87			CONTINGENCY:	57
BUILDING #: 1						BUILT IN
BUILDING SIZE: 26,539 SF	\$/SF	\$/SYS	SYS QUAN	(UN) TOTAL	BUILDING	EQUIPMENT
A1 0MCT	1 0 57	1 15000 00		154 1 15 44		
111 EDUNDATION	1 0.3/	1 1000.00	1 1 5/ 570	IEA ; 15,000	1 15,000 1	0
	1 4.83	4.83	1 20,039	ISF : 128,000	1 128,000 1	0
117 STOUCTUDAL	1 0.00	1 2.88	1 20,339	ISF 1 /5,000	76,000 1	0
111 DOGE EVETEM	1 10.10	1 10.10	1 20,039	ISF : 215,000	1 215,000 1	0
141 RUUF STSTER	1 10.17	1 10.17	1 20,339	ISF 1 2/0,000	71 270,000 1	0
147 INTEDIOD HALL SYSTEM	1 3.03	1 13.43	1 7,200	ISF 1 97,000	71 97,000 1	0
145 INTERIOR WHEL STOTEN	1 4.31	1 4.8/	1 23,300	ISF : 114,000	); 114,000 ;	0
144 INTERIOR FINISHES	1 3.80	1 3.80	1 20,034	ISF : 101,000	1 101,000 1	0
143 DUURS HAD WINDOWS	1 5.49	1 37./3	1 2,300	ISF 1 91,000	1 91,000 1	0
211 DI HINDING	1 7 17	1 1/10 00	1 20,339	15F 1 145,000	1 145,000 1	0
211 FLUNDING	1 1.05	1 1000.00	1 30	IFIX : 83,000	7 i 83,000 i	0
2213 ROOF PRAINS	1 0 57	1 7141 00	1 00	1EM 1 28,000		0
244 COMPRESED ATP 1 00	1 1 51	1 000 00	1 50	170N 1 233,000	1 23,000 1	
271 CONTRESSED HIR 1.00	1 1.31	1 1 71	1 34 570	10FH 1 40,000		40,000
275 FIRE ALARM SYSTEM 1 00	1 0.75	1 1.71	1 20,337	ISF 1 43,000		43,000
TI POWED	1 5 00	1 570 00	1 20,337	ISP 1 20,000		20,000
312   IEUTING 1 00	1 3.17	1 330.00	1 04 570	ICE 1 00 000	1 137,000 1	0
312 ENGR	1 0.45	1 12000 00	1 20,337	15F 1 17,000		99,000
31 TELEPHONE 1 00	1 0.43	1 12000.00	1 24 570	ICE 1 12,000		12,000
342 INTERCON 1.00	1 0.44	0.44	1 20,337	ISF 1 12,000		12,000
TAA PUDI TO ANNOUNCEMENT	0.43	1 0.43	1 20,007	ISF 1 11,000		11,000
STA TODETC HANDONCENENT	1 0.56	1 0.30	1 20,007	1 1	1 13,000 1	U
SUBTOTAL BUILDING ONLY	1 76.54		1	1 2,029,000	1,790,000 1	239,000
CQN	: 0.00	1	1	1 1	1 01	0
OMSI	1 0.00	1	1		1 01	0
TOTAL BUILDING COST	76.54			1 2,029,000	1,790,000	239,000



TITLE:	DRIVER TRAINING S	CHOOL			COST	SCALATED TO:	APRIL 1991
LOCATION:	MCB CAMP LEJEUNE	JACKSONVILL	.E, N.C.		ACF: 0.84	FER:	N/A
PREPARED BY:	R.C. DULIN	DATE:	29-Oct-87			CONTINGENCY:	57
BUILDING #: BUILDING SIZE:	2 225 SF	\$/SF	\$/SYS	SYS QUAN	(UM) TOTAL	BUILDING	BUILT IN EQUIPMENT
119 DISPATCH B	LD6	1 73.37	1 73.37	1 225	ISF 1 17,000	17,000 1	0
SUBTOTAL BUILD CQM DMSI	ING ONLY	73.37			1 17,000	17,000	0 0 0
TOTAL BUILDING	COST	73.37			17,000	17,000	0



TITLE: DRIVER TRAINING SCHOOL COST ESCALATED TO:							APRIL 1991	
LOCATION: MCB CAMP	LEJEUNE JA	CKSONVILL	E, N.C.		ACF	0.84	FER:	N/A
PREPARED BY: R.C. DUL	IN	DATE:	29-0ct-87				CONTINGENCY:	5%
BUILDING #: 3 BUILDING SIZE: 1	4,090 SF	\$/SF	\$/575	SYS QUAN	(UM)	TOTAL	BUILDING	BUILT IN EQUIPMENT
A44 0401	·····*····							
U41 URSI		0.50	1 7000.00		I IEA	7,000	1 7,000 1	0
112 CLAD ON CDADE		6.54	6.54	1 14,09	DISF	92,000	92,000	0
112 JLHS UN ORAUE		2.61	1 2.61	1 14,09	0 ISF	37,000	37,000	0
115 STRUCTURAL	a second and a second	9.40	1 9.40	14,09	0 ISF	1 132,000	1 132,000	0
147 EVTEDIND WALL EVETE		12.02	1 12.02	1 14,09	U ISF	1 149,000	169,000	0
142 CATERION WHLL STOLE	n i u i	0.0/	1 11.12	1 8,43	0 151	94,000	94,000	0
144 INTEDIOD CINICUES	n i i	4.23	1 7.07	1 8,43	U iSF	: 60,000	50,000	0
145 BOODE AND WINDOWE	:	2.13	1 2.13	1 14,09	I ISF	30,000	30,000	0
147 SPECIALTICS		1.00	1 1.22.70	1 14 00	1 155	1 /5,000	1 76,000	0
211 PLUMPING		1.44	1 10/1 00	1 14,07		17,000	i 17,000 i	0
217 ROOF DRAINS		4.02	1 1000.00	1 3		63,000	: 65,000 ;	0
221 HVAC		7 10	5000.00		TON	8,000	1 8,000 1	0
224 MECHANICAL VENTILAT	TON 1 00 1	2 40	1 3000.00	1 14 00	LCE	1 100,000	1 100,000 1	0
231 BRIDGE CRANES AND H	DIST 1 00 1	2.00	1 14500 00	1 14,07		38,000	0	38,000
234 VEHCLE LIFTS	1 00 !	2.34	1 17000 00	1	S IEA	1 33,000		33,000
244 COMPRESSED AIR	1 00 1	1 71	574 00		L ICEN	1 34,000	1 01	34,000
252 FYHAUST SYSTEM	1 00 1	0.10	1 330.00	1 4 00		1 10 000	1 01	24,000
253 LUB EQUIPMENT	1 00 1	T 42	1 7.42	1 14 00	100	1 10,000	1 01	10,000
271 SPRINKLERS	1.00 1	2.00	2 00	1 14,00	100	1 78,000		48,000
275 FIRE ALARM SYSTEM	1 00 1	0.25	1 0.25	1 14,00	I ICE	1 20,000	1 01	28,000
311 POWER	1.001	2.29	1 215.00	1 17,07	IVH	1 77 000	1 000 57	4,000
312 LIGHTING		1.35	1 1 75	1 14 09	105	1 10 000	1 10 000 1	0
332 EMCS	1.00 1	0.71	10000 00	1 14,000	150	1 10,000	1 17,000 1	10 000
341 TELEPHONE	1.00 1	0.25	1 0 75	1 14 00	ICH ICH	1 4 000		10,000
342 INTERCOM	1.00 1	0.23	1 0.23	1 14 000	ICE	1 7,000		4,000
344 PUBLIC ADDRESS SYST	EM I	0.12	0.12	1 14,090	) ISF	2,000	2,000 1	5,000
SUBTOTAL BUILDING DNLY		83.47				1.176.000	940.000	236.000
COM	1	0.00	i	1	1	1	1 01	0
OMSI		0.00	1	1	1	1.5	0	õ
TOTAL BUILDING COST	i. 	83.47	'   	1		1,176,000	940,000	236,000
				1	1	1	1	



TITLE: DRIVER TRAINI	NG SCHO	JOL				COST I	ESCALATED TO:	APRIL 1991
LOCATION: MCB CAMP LEJE	UNE JA	CKSONVILL	.E, N.C.		ACF:	0.84	FER:	N/A
PREPARED BY: R.C. DULIN		DATE:	29-Oct-87				CONTINGENCY:	52
BUILDING #: 4 BUILDING SIZE: 70,000	) SF	\$/SF	\$/SYS	SYS QUAN	(UN)	TOTAL	BUILDING	BUILT IN Equipment
041 DMSI		0.39	1 27000.00	1	IEA	27,000	1 27,000 1	0
111 FOUNDATION		7.27	1 7.27	1 70,000	ISF	509,000	1 509,000 1	0
112 SLAB ON GRADE	1	3.97	1 3.97	1 70,000	ISF	278,000	1 278,000 1	0
117 PRE ENGINEERED BUILDING	1	17.81	1 17.81	1 70,000	ISF	1,247,000	1 1,247,000 1	0
143 INTERIOR WALL SYSTEM	-	0.29	1 4.88	1 4,200	ISF	20,000	1 20,000 1	0
144 INTERIOR FINISHES	in the second	1.98	1 1.98	: 70,000	ISF	139,000	1 139,000 1	0
145 DOORS AND WINDOWS		3.59	1 3.59	1 70,000	ISF	: 252,000	1 252,000 1	0
147 SPECIALTIES	Sec. 1	0.78	1 0.78	1 70,000	ISF	: 55,000	1 55,000 1	0
211 PLUMBING		0.56	1 1639.00	1 24	IFIX	: 39,000	1 39,000 1	0
221 HVAC		5.00	1 5.00	1 70,000	ISF	1 350,000	1 350,000 1	0
252 EXHAUST SYSTEM	1.00	0.86	1 1.50	1 40,000	ISF	1 60,000	1 01	60,000
271 SPRINKLERS	1.00	1.25	1 1.25	1 70,000	ISF	88,000	1 01	88,000
275 FIRE ALARM SYSTEM	1.00	0.38	1 0.38	1 70,000	ISF	27,000	1 01	27,000
311 POWER	A 199	1.14	1 106.50	1 750	IKW	80,000	1 80,000 1	0
312 LIGHTING		3.87	1 3.87	: 70,000	ISF	1 271,000	1 271,000 1	0
332 ECMS	1.00	0.40	1 0.40	1 70,000	ISF	1 28,000	1 01	28,000
341 TELEPHONE	1.00	0.25	1 0.25	1 70,000	ISF	1 18,000	1 01	18,000
342 INTERCOM	1.00	0.26	1 0.26	1 70,000	ISF	1 18,000	1 01	18,000
344 PUBLIC ADDRESS SYSTEM		0.11	1 0.11	1 70,000	ISF	8,000	1 8,000	0
SUBTOTAL BUILDING ONLY		50.16	-' 	-'	-'	3,514,000	3,275,000	239,000
CQM		0.00	1	1	1	1	1 01	0
OMSI		0.00	1	1	-	!	0	0
TOTAL BUILDING COST		50.16	· 			3,514,000	3,275,000	239,000

·---- ' ---- ' ·



TITLE: DRIVER TRAINING S	CHOOL								COST E	SC	ALATED TO:		APRIL 1991
LOCATION: MCB CAMP LEJEUNE	JACI	KSONVILL	Ε,	N.C.			ACF	. (	.84		FER:		N/A
PREPARED BY: R.C. DULIN		DATE:	2	9-Oct-87						C	ONTINGENCY:		52
BUILDING 4: 5 BUILDING SIZE: 5,168 SF		\$/SF	\$	/SYS	545	GUAN	(UM	, ;	TOTAL	B	UILDING		BUILT IN EQUIPMENT
041 0MSI	1	0.00	1		1		1	ī	0	1	0	1	0
111 FOUNDATION	1	5.42	1	66.04	1	424	ILF	1	28,000	1	28,000	1	0
112 SLAB ON GRADE	1	3.97	1	3.97	1	5,168	ISF	1	21,000	1	21,000	1	0
117 PRE ENG. METAL SHELTER	1	14.14	1	14.14	1	5,168	ISF	1	73,000	1	73,000	1	0
312 LIGHTING	1	1.55	1	1.55	1	5,168	ISF	1	8,000	1	8,000	1	0
SUBTOTAL BUILDING ONLY	'	25.08	i-		' 			ï	130,000	i	130,000	ï	0
COM	1	0.00	1		1		1	1		1	0	1	0
OMSI	1	0.00	:		1		1	1		1	0	1	0
TOTAL BUILDING COST	'- 	25.08	1		1		1		130,000	1	130,000	1	0
								- 1					





Commanding General, Marine Corps Base, Camp Lejeune From: Commandant of the Marine Corps (LFL/MAJ Tiberg) To: (1) Commander, Atlantic Division, Naval Facilities Via:

- Engineering Command, Norfolk, VA 23511-6287 (Attn: 09A2131/Code 407)
- (2) Commander, Naval Facilities Engineering Command, 200 Stovall Street, Alexandria, VA 22332
- FY 91 MILITARY CONSTRUCTION (MCON) PROJECT P-807 DRIVER Subj: TRAINING SCHOOL, MARINE CORPS BASE, CAMP LEJEUNE
- Ref:

(a) My ltr 11000 PWO dtd 12 May 87 (b) PHONCON btwn MAJ Tiberg (CMC) and Mr. W. L. Brant (MCB, CamLej) of 27 Aug 87

(1) FY-91 MCON Project P-807, Driver Training School Encl: documentation consisting of revised DD Form 1391 dtd 27 Aug 87, Facility Study with NAVFAC 11013 Cost Estimate, Facilities Planning Documentation and approved NAVMC Form 11069 Request for Site Approval with Site Location Map

The subject project was submitted as enclosure (4) to refer-1. ence (a). During reference (b), it was brought to Headquarter's attention that FY-91 MCON Project P-893 (BEQ's for Camp Johnson) was not programmed at the Headquarters level and the utility improvements that were a part of P-893 should be a part of FY-91 MCON Project P-807 (Driver Training School). In accordance with reference (b) the enclosure is provided.

2. The subject project estimated cost has increased from \$9.000K to \$10.200K

The Atlantic Division, Naval Facilities Engineering Command 3. is requested to certify the cost of the subject project as shown by enclosure (1) to the Commander, Naval Facilities Engineering Command with copies to CMC and this Command.

4. Point of Contact for this Command is Mr. W. L. Brant on AV 484-1833 or commercial (919) 451-1833.

> B.W. ELSTON By direction

Copy to: CMC (LFL) (advance) NAVFACENGCOM (advance)

Blind copy to: FAC CO, MCSSS

Author: K. Foskey Typist: M. Thompson 9-3-87, 1833

perint d'analizaciónes o content las a sellas dos nos algunti "Dengals" que s'entitati el las nomeconos L. fille T anif logs level . Menes a visit of lovel average (in The ast that share the shirt of the the same that the set in the A DE Short MC SCARE SHERAE Constant private the set of the first state when the state of the set of the

ARVIED THE TORONG WORK WORK AND AND THE TORONG The let ANTING SOBOLD, MARTHE CORPS AN STATISTICS DESCRIPTION

values of the state that the state the state IN THE CONTRACTOR FROM SUID MODULARY IN

longine setting and the set and the set and the set in the de IRILEMAN SCRIPTER CO DELTERADO DE MERCENDE Electrony with hit by the contraction of the production ふるが絶滅り The second and the second of the second of the second Call Both Spall 1318 date

The subject or apart was wantiting ask forably in the loss are in er tos luptees dar inguest ann di . (d) sonstalarent ind (dis) oder Internet golgen gruppe selle gruppe gruppe ingen ingen ingen gruppes addition a sime success product phase one de lacted to in you rea training and the start affect descent and the second board board and the second "Can profect a bit (bit of this states febolition a some the states arrier inter add (a) a data ta ta

na second deservations definitions designed in comparent.

interfactors "Longith, Administration" Lawser (Constraint) (Const Contant and Contant to Call an "this Contants

A part of control for this Contain letter w. T. Pray a

LOTTING A. C. NO TRANSPORT OF A DATA STORES

> 4:00 ດ້າວດີ (ພະເຊັ່າ) (ອີບເຫລາວຍິ) ເຊັ່ງເຊັ່າດີ ເພື່ອໃຫ້ ເດືອງແອນເຊັ່າ)

> > Pilindie pv. col CONTRON.

4831

Veront: Reptoration nostront the thousand

**就**在5月17日 月

1. COMPONENT NAVY	FY	A 27	Aug 87								
3. INSTALLATION AND LOCATION4. PROJECT TIMARINE CORPS BASEDRIVERCAMP LEJEUNE, NC 28542DRIVER							TRAINING SCHOOL				
5. PROGRAM ELEM	ROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJEC 171-10 P-807 10,							:000)			
	-	9, С	OST ESTIMA	TES							
		ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)			
DRIVER TRA Academic Applied Pre-Engi Covered Vehicle Dispatch Built-In SUPPORTING Special Utility Misc. Ut Comm and Pavement Wash Apr Site Imp Misc Str Fording SUBTOTAL CONTINGENC TOTAL CONT SIOH 5.5% TOTAL REQU	INING Inst Inst Inst Shelt Bldg Equ FAC Const Const Const Const ility Fire ons orover uctu pit, EX 5% RACT EST FEST FEST	G FACILITY cruction Bldg. cuction Bldg. ed Bldg 4 @ 70 ters 2 @ 38x68 tenance Shop g. ipment ILITIES truction Featu ections y Improvements e Alarm System ments res (drive-up fuel pumps, e COST ROUNDED IDED FROM OTHE	x250 ares a ramp, etc.)	OPRI	SF SF SF SF SF SF SF SF SF SF SF SF SF S	116,022 26,539 70,000 5,168 14,090 225 - - - - - - - - - - - - - - - - - -	64.00 32.50 22.50 61.00 64.00 	5,629 (1,698) (2,275) (116) (860) (14) (666) 3,590 (100) (546) (1,046) (546) (1,046) (546) (1,274) (225) (100) -241 9,219 <u>461</u> 9,680 -532 10,212 10,200 -0-			

10. Description of Proposed Construction:

FORM DD1 DEC 76 1391

S/N 0102-LF-001-3910

Construct a permanent masonry academic instruction building consisting of reinforced concrete foundation and floors, structural steel framing, masonry walls, built-up roof and insulation with steel joist and interior support systems (i.e.: HVAC system, communication and fire alarm systems, etc.) Construct a vehicle maintenance shop with high bays of structural steel framing and reinforced concrete foundation and floors with masonry walls, and built-up roof and insulation. Interior support systems (HVAC, communications and fire alarm system, compressed air, central lube system, hydraulic lifts, overhead bridge crane, engine exhaust system etc.) storage for POL, hazardous, and flammable storage. Provide and erect four 70'x250' pre-engineered buildings for applied instruction to include reinforced concrete foundation





14.5 (1)	1000	1.	12	DA	TE
					100

27	Aug	8

NAVY 3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LJEEUNE, NC 28542

4. PROJECT TITLE

. COMPONENT

5 PROJECT NUMBER P-807

DRIVER . TRAINING SCHOOL

#### Description of Proposed Construction: 10.

and floors, structural steel framing, metal walls and roof systems with steel joist and engine exhaust systems. Exterior support systems for the Driver Training Facility include, wash aprons with pollution control, 2-38'x68' shelters with concrete floors, fencing and lighting, pavement, site improvements, fording pit, interior and exterior utility connections. Provide miscellaneous improvements to steam, water, sewer and electrical utilities.

FY 19 91 MILITARY CONSTRUCTION PROJECT DATA

#### 11. REQUIREMENTS:

PROJECT: Construct an Academic/Applied/Vehicle Maintenance Facility as permanent facilities for the East Coast Consolidated Driver Training School.

REQUIREMENT: Provide adequate facilities for training military personnel in the operation of various types of organizational vehicles along with first and second echelon maintenance. The East Coast Consolidated Driver Training School maintains over 400 pieces of rolling stock and employs approximately 110 instructions and 20 vehicle maintenance workers. The school provides academic instruction for 3,334 students annually in the following courses:

Motor Vehicle Operator's Course (MVOC)	249 Hours 118 Hours
(Driver Training portion only)	168.65 Hou
Tractor Trailer Operator Course (TTOC)	67 Hours

Semi-Trailer Refueler Operator Course (SRO Vehicle Recovery Course (VRC)

rs 189 Hours

The applied instruction section provides training of personnel on first and second echelon maintenance utilizing 100 vehicles at any given time.

CURRENT SITUATION: The MVOC is a new mission and no facilities exist in the Camp Johnson Area that can be utilized in support of this mission. Existing inadequate facilities in the Camp Geiger area will be utilized until new construction is completed.

PAGE NO. 2 Of 4



1		1	
		-	
12.20	3183		

.

.

•



			Alter and the second	State State		2. DATE
COMPONENT	EV 10 91	TARY CONST	RUCTION	ROJECT D	ATA	27 Aug 8
NAVY	FT 19WIL					
INSTALLATION	AND LOCATION	a tracting a se	NO 205	12		
MARINE CO	RPS BASE, CA	MP LEJEUNI	E, NC 285		5 8801	CT NUMBER
PROJECT TITLE	adate as a second second				5. FROM	D 907
DRIVER T	RAINING SCHO	OOL	1999 - 1999 - 1999 1999 - 1999 - 1999 1999 - 1999 - 1999 - 1999			P-007
IMPACT IF will conti learning e iveness of	NOT PROVIDED Inue in facil experience wh the trainin	<u>):</u> The tr lities whi nich will ng program	aining o ch are n continue	f Marine ot condu to impa	cive ir th	to a goo e effect
						<b>-</b>
						-
A. 1. 1983						
		A BARRING				
		14 A				
						•
			and the second			
						. • · · · · · · · · · · · · · · · · · ·
						•
				A Charles		
a province and						







NAVY       FY 19_91       MILITARY CONSTRUCTION PROJECT D         3. INSTALLATION AND LOCATION       MARINE CORPS BASE, CAMP LEJEUNE, NC 28542         4. PROJECT TITLE       DRIVER. TRAINING SCHOOL         SPECIAL CONSIDERATIONS         1. Pollution Prevention, Abatement and Control         will not cause additional air or water pollution         2. Flood Hazard Evaluation: Requirements of E:         No. 11296 (Flood Hazards) are not applicable.         3. Environmental Impact: The project Environm         Assesssment will be reviewed, and where require         design concepts given consideration to eliminat         enviroinmental effects consistent with applicable.         4. Fallout Shelter Construction: Fallout shell	ATA	27 Aug 87
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NC 28542 4. PROJECT TITLE DRIVER. TRAINING SCHOOL <u>SPECIAL CONSIDERATIONS</u> <u>1. Pollution Prevention, Abatement and Control</u> will not cause additional air or water pollution <u>2. Flood Hazard Evaluation</u> : Requirements of E: No. 11296 (Flood Hazards) are not applicable. <u>3. Environmental Impact</u> : The project Environm Assessment will be reviewed, and where require design concepts given consideration to eliminat enviroinmental effects consistent with applicable. <u>4. Fallout Shelter Construction</u> : Fallout shel		and the second
A.PROJECT TITLE DRIVER.TRAINING SCHOOL <u>SPECIAL CONSIDERATIONS</u> <u>1. Pollution Prevention, Abatement and Control</u> will not cause additional air or water pollution <u>2. Flood Hazard Evaluation:</u> Requirements of E: No. 11296 (Flood Hazards) are not applicable. <u>3. Environmental Impact:</u> The project Environm Assesssment will be reviewed, and where require design concepts given consideration to eliminat enviroinmental effects consistent with applicable. <u>4. Fallout Shelter Construction</u> : Fallout shel		
<u>SPECIAL CONSIDERATIONS</u> <u>1. Pollution Prevention, Abatement and Control</u> will not cause additional air or water pollution <u>2. Flood Hazard Evaluation:</u> Requirements of E: No. 11296 (Flood Hazards) are not applicable. <u>3. Environmental Impact:</u> The project Environmental Seessment will be reviewed, and where required design concepts given consideration to eliminately environmental effects consistent with applicable. <u>4. Fallout Shelter Construction:</u> Fallout shell	5. PROJ	ect number P-807
<u>SPECIAL CONSIDERATIONS</u> <u>1. Pollution Prevention, Abatement and Control</u> will not cause additional air or water pollution <u>2. Flood Hazard Evaluation:</u> Requirements of Ex- No. 11296 (Flood Hazards) are not applicable. <u>3. Environmental Impact:</u> The project Environmental Assessment will be reviewed, and where require design concepts given consideration to eliminate enviroinmental effects consistent with applicable. <u>4. Fallout Shelter Construction:</u> Fallout shell		
<ol> <li>Pollution Prevention, Abatement and Control will not cause additional air or water pollution</li> <li><u>Plood Hazard Evaluation</u>: Requirements of Ex No. 11296 (Flood Hazards) are not applicable.</li> <li><u>Environmental Impact</u>: The project Environmental Assessment will be reviewed, and where require design concepts given consideration to eliminat enviroinmental effects consistent with applicable</li> <li><u>Fallout Shelter Construction</u>: Fallout shell</li> </ol>		
<ol> <li><u>Flood Hazard Evaluation:</u> Requirements of E No. 11296 (Flood Hazards) are not applicable.</li> <li><u>Environmental Impact:</u> The project Environm Assessment will be reviewed, and where require design concepts given consideration to eliminat enviroinmental effects consistent with applicab</li> <li><u>Fallout Shelter Construction:</u> Fallout shell</li> </ol>	: Th n.	is project
3. Environmental Impact: The project Environm Assesssment will be reviewed, and where require design concepts given consideration to eliminat enviroinmental effects consistent with applicab 4. Fallout Shelter Construction: Fallout shel	xecut	ive Order
4. Fallout Shelter Construction: Fallout shel	ental d, th ing a le di	Impact ne adverse rectives.
is not incorporated in this project.	ter p	protection
5. Design for Accessibility of Physically Hand Personnel: Provisions for physically handicappe are not required in this project.	licapr d per	<u>sonnel</u>
6. Use of Air conditioning: Ceiling "U" factor to conform with DOD 4270.1-11.	ors w	ill be made
7. Preservation of Historical Sites and Struct project does not directly or indirectly affect site, building, structure, object, or setting w in the National Register or otherwise possesses quality of American History.	tures a di which s a s	: This strict, is listed ignificant
8. "New Start" Criteria for Commercial or Indu Activities Program (OMB Circular A-76): Not ap	<u>ustri</u> pplic	<u>al</u> able.
	•	







۱.	CON	PON	NEN	IT
	NA	VY		

FY 19 <sup>91</sup>MILITARY CONSTRUCTION PROJECT DATA

27 Aug 87

P-807

2. DATE

5. PROJECT NUMBER

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

4. PROJECT TITLE

DRIVER' TRAINING SCHOOL

#### FACILITY STUDY

1. Project: Provide 116,022 SF of Applied/Academic/Vehicle Maintenance Shopo Facilities for the East Coast Consolidated Driver Training School at Camp Johnson.

2. Current and Planned Future Workload with Regard to this Project: The percentage of usage for this facility is 100% of the time, and the duration of need is indefinite. It can only be anticipated that the future workload will increase as the East Coast Consolidated Driver Training School is established.

#### 3. Description of Proposed Construction:

#### a. Type of Construction:

(1) Construct a permanent masonry academic instruction facility of reinforced concrete foundation and floors, structural steel framing, masonry walls, built up roof and insulation, steel joist, and interior support systems (i.e.: HVAC system, communication and fire alarm systems, etc.) Construct a vehicle maintenance shop with high bays of structural steel framing and reinforced concrete foundation and floors with masonry walls and bult-up roof and insulation. Interior support systems( i.e.: HVAC, communication and fire alarm system, compressed air, central lube system, hydraulic vehicle lifts, overhead bridge crane, engine exhaust systems, etc.) storage for POL, hazardous and flammable storage.

(2) Provide and erect four 70'x250' pre-engineered buildings for applied instruction to include reinforced concrete foundation and floors, structural steel framing, metal walls and roof systems with steel joist and engine exhaust systems.

(3) Exterior support systems for the Driver Training Facility includes wash aprons with pollution control, 2-38'x68' shelter s with concrete floors, fencing and lighting, pavement site improvements, fording pit, interior and exterior utility connections, driver maneuver skills road test. Provide miscellaneous improvements to steam, water, sewer and electrical utilities.

PAGE NO. 1 Of 12







CO	MP	ON	EN	

NAVY

FY 19 91 MILITARY CONSTRUCTION PROJECT DATA

27 Aug 87

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

4. PROJECT TITLE

DRIVER TRAINING SCHOOL

5. PROJECT NUMBER P-807

2. DATE

b. <u>Replacement:</u> Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.

c. Description of Work to be Done:

(1) Primary Facility: Permanent reinforced concrete/ steel/masonry academic instruction building with built-up roof and insulation, HVAC. A reinforced concrete/steel/ masonry vehicle maintenance shop with high bays built-up roof and insulation, engine exhaust systems, hydraulic vehicle lifts, central lube systems, compressed air, overhead bridge crane, HVAC. Provide and erect four pre-engineered buildings 70'x250' for applied instruction with metal walls and roof systems, engine exhaust systems, reinforced concrete foundation and floors. 2-38'x68' shelters with concrete floors and metal roof systems; other supporting facilities include, driver maneuver skills road test, wash aprons with pollution control, fencing and lighting, pavements, site improvements, fording pit interior and exterior utility connections, and utility improvements to water, steam, sewer and electrical.

(2) Energy Conservation: Energy efficient equipment and building orientation for maximum energy conservation will be utilized.

(3) Collateral Equipment: See Enclosure (1).

(4) Supporting Facilities: Special piling, foundation collateral equipment, site improvements, and pollution abatement utility connections.

4. <u>Cost Estimate:</u> Area cost factor for Camp Lejeune, NC is Ø.86, cost data derived from the Military Construction Cost Review Guide, FY-84 (DOD 4270.1-CG), and escalated to FY-91. See enclosure (2).

5. Justification for Project and for Scope of Project:

(1) Project: Project is required to provide adequate applied and academic instructional facilities for the East Coast Consolidated Driver Training School (Motor Transport

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED



1.	COMPONENT
1	
	NAVY

r't

FY 19\_91MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

DRIVER TRAINING SCHOOL

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

4. PROJECT TITLE

5. PROJECT NUMBER P-807

School). Proposed complex will include total facilities in support of the MVOC; i.e., applied/academic facilities; administrative space, and supply requirements. The number of students to receive training per year at this facility will be approximately 3,334 persons. Two branches of the U. S. Marine Corps Motor Transport School is to exist, one will be located here at |Marine Corps Base, Camp Lejeune and the other at Camp Pendleton, California.

(2) Current Situation: The Motor Vehicle Operators Course (MVOC) is a new mission and no facilities exist in the Camp Johnson area that can be utilized in support of this mission. Existing inadequate facilities in the Camp Geiger area will be utilized until new construction is completed.

(3) Impact if not Provided: Operation of the MVOC in inadequate facilities will result in impaired teaching capabilities.

b. Justification for Scope of Project: The project scope (116,022 SF) is the minimum size facility that can meet the schedule of classes for the Motor Transport School needs. The indicated scope was taken from the "Outline of Instruction Motor Transport Formal Courses prepared for Fiscal Year 1987, by the Marine Corps Service Support Schools (MCSSS), Marine Corps Base, Camp Lejeune, and the Schedule of Classes for Fiscal Year 1987 (first revision). See Item 13.

6. Equipment Provided from other Appropriations: Not applicable.

7. Common Support Facilities: There are no common support facilities available in the MCSSS area.

8. Effect on other Resources: This project will require increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. Proposed construction will be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977, and implemented by NAVFACINST 4100.5A.



# ...



1. COMPONENT NAVY

### FY 19 91 MILITARY CONSTRUCTION PROJECT DATA

27 Aug 87

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

4. PROJECT TITLE

5. PROJECT NUMBER

DRIVER TRAINING SCHOOL

P-807

9. <u>Siting of the Project</u>: The project will be located in the Camp Johnson area of Camp Lejeune. See enclosure (2).

10. Other Graphic Presentations, including Photographs: See Facility Planning Document, enclosure (3).

11. <u>Economic Analysis:</u> This facility is being constructed on an undeveloped site in the Camp Johnson area. Economic savings will be in nominal energy consumption realized from efficient operations. This is a military operational project in support of an operational mission located in this area.

12. <u>Environmental Impact</u>: An Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.

13. Quantitative Data:

### Facilities Square Footage

I. Classroom Spaces:

a. General Academic (Cat Code 171-10) In accordance with NAVFAC P-80:

Course	Duration in days (DD)	Annual % (AF)	Pupils p/Class (S)	Annual Input (AI)	Student AOB*	NSF/SF Student (NSF)	Reqmt Net Area**
MVOC	34	29	50	1450	198	19.5	5791.5
AOMC	15	38	40	1520	92	20.0	2760.0
TTOC	- 24 -	7	30	210	21	21.0	661.5
VAC	26	3	30	90	10	21.0	315.0
*Student	Avg on B	d (AOB)	= Durat	ion (DD	) x Annu	al Input	(AI)
		le se autoria estas	250	(Class	room Day	s Per Ye	ar)
**Require	d NSF Are	a = AOB	x NSF x	1.5			

# Classroom Space Requirement Computation


COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DAT	A 27 Aug 87
INSTALLATION	AND LOCATION	
MARINE COR	PS BASE, CAMP LEJUENE, NC 20042	BOJECT NUMBER
PROJECT TITLE	INTING SCHOOL	P-807
		1.2
Round all School yea	fractions to the next highest whole num r = 250 class days	ber
NSF = Sele type CDP = Cour AF = Numb AI = Numb	ect proper SF/student from Table 171-A ac of installation se Data Processing Code per of times course is taught per year per of students trained annually AI = (A	ccording to F) x (S) 🗢
1.5 = A u inability class-room	tilization factor required to compensate to completely schedule classes and full n capacity.	for the y use
Number of	Classrooms Required:	
MVOC AOMC TTOC VRC Total:	4; 50 PN classes @ 1447.87 NSF = 5,791. 3; 40 PN classes @ 920 NSF = 2,760. 1; 30 PN class @ 661.5 SF = 661. 1; 30 PN class @ 315.0 SF = 315. 9 Classrooms = 9,528.	5 NSF Ø NSF 5 NSF Ø NSF Ø NSF
b. <u>M</u>	odified Academic space (Cat Code 171-10)	
D	efensive Drivers Course & Licensing Clas	IS
	50 Students @ 30 NSF = 1,500 NSF	
с. Н	ands-On Mock Up Spaces (Cat Code 171-20)	:
	In accordance with NAVFAC P-80:	· · · · · · · · · · · · · · · · ·
Plann Hands-on	ing Formula for Determining Floor Requir Mock-up space.	ements for
Formu	la: A = B (CD + E)	
Defir	itions:	
A = P	area of classroom in net SF.	
B = M figure is	Number of items of practice equipment real s obtained by dividing C into the average	quired. This e number of

1.1

S/N 0102 LF 001-3915



I. COMPONENT	01	2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DA	TA 27 Aug 87
3. INSTALLATION A	ND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NC 28542	SPALEAT NUMBER
A. PROJECT TITLE	ITMC SCHOOL	D 007
DICIVEN INAI		F-007
C = Nur equipment. D = Net	aber of students assigned to each item	of practice
an item of	practice equipment.	
E = Net equipment. factors, in student won clearance a duplicated.	I SF OF FLOOF AREA OCCUPIED by one item Includes clearances and aisles. Huma Including safety, must be considered. I tking areas (Item D) partially overlap areas, insure that the space requirement	n of practice n engineering n cases where equipment ts are not
(1	) Motor Vehicle Operators Course:	
A A	= 25 [(2 x Ø) + *700] = 17,500 NSF Typical for 1 class.	
17	,500 x 4 classes = 70,000 NSF Total Re	quired.
*This figur area, aisle	e includes student working area, equip s and safety factor.	ment clearance
(2	) Tractor Trailer Course & Vehicle Rec	overy Course:
A A	= [(30 x 0) + *2,584] = 2,584 NSF	
(3	) <u>Semi-Trailer Refueler Operators Cour</u>	se:
A A	= [(30 x 0) + *2,584] = 2,584 NSF	
(4	) <u>Tire Repair Shop/Class</u> :	1 <u>- 1</u>
A A	= [(2 x 20) + 35] = 1,875 NSF	
This figur area, aisle	e includes student working area, equips s and safety factor.	ment clearance
	tal Hands-On Mock-Up space. 77 043 UKE	

1 1

S/N 0102-LF-001-3915



COMPONENT		2. DATE		
NAVY	AVY FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			
MARINE C	NAND LOCATION ORPS BASE, CAMP LEJEUNE, NC 28542			
PROJECT TIT	E 5. PRO	JECT NUMBER		
DRIVER 1	RAINING SCHOOL	-807		
II. Sup	port Spaces:			
a.	Instructor's Work Space			
	2 Instructors @ 60 NSF = 720 NSF	and the second se		
b.	Instructors Lounge:			
	150 NSF Fixed Allowance			
с.	Student Break Area:			
Maximum 100	number of students to break at a given time PN x 6 NSF = 600 NSF	= 100 PN.		
đ.	Library:			
	(1) Reading Area			
	12 PN (Instructors @ 25 NSF) = 300 NSF			
	(2) Stack Area			
	(700 Volumes ÷ 100) x 6.6 NSF = 46 NSF	1		
	(3) Film/Video Tape Storage			
	(100 reels ÷ 50) x 9 NSF = 18 NSF			
	(4) Fiilm/Video Tape Viewing Room	train and		
	100 NSF fixed allowances			
therefor	(5) Staff Area: This library will be for a no additional space is required.	Instructor's		
	Total Library space: 464 NSF			

DD 1 DEC 76 1391C

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED



COMBONIENT	1	2. DATE					
NAVY	VY FY 19 91 MILITARY CONSTRUCTION PROJECT DATA 27 Aug						
MARINE COR	RPS BASE, CAMP LEJEUNE, NC 28542						
DRIVER TRA	E 5. AINING SCHOOL	PROJECT NUMBER P-807					
e. <u>A</u>	dministrative Space: (Cat Code 610-10):						
	Officer in Charge	00 NSF 00 NSF 00 NSF 20 NSF 75 NSF 75 NSF					
	Total Administrative Space97	70 NSF					
f. 1	Training Aid Storage: 380 Students x 1.5 NSF57	70 NSF					
g. <u>C</u>	ther Support Spaces:						
Motor Veh	(1) Tool Rooms: One tool room required nicle Operators Course Class (4 total).	to support ea					
	4 Tool Rooms @ 216 NSF = 864 NSF						
	(2) Storage (OVE):	-					
equipment of equipm assigned.	Storage space is required to store all t for the Driver's Training School. The ment indicates over 400 pieces of rolling	vehicle organi School's tabl g stock					
	The school has indicated a requirement	of 3,200 NSF.					
	(3) Dispatch Office: (171-20)						
	15'x 15' = 225 NSF						
required	(4) Classified Storage: A classified for storing student personnel records.	storage area :					
	12' x 12' = 133 NSF						
	Total Support Space = 4,433 NSF						
tani sunang dina 1998. Kalinggan							



. COMPONENT			2. DATE		
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT D	ATA	27 Aug 87		
3. INSTALLATION	AND LOCATION				
MARINE COR	PS BASE, CAMP LEJEUNE, NC 28542	山中当市			
4. PROJECT TITL		5. PROJ	ECT NUMBER		
DRIVER TRA	INING SCHOOL	P-0	307		
III. Cir	culation and Service Areas:		A second		
(1)	Classroom Space:				
	a General Academic	28 NS	F		
	b. Modified Academic	ØØ NS	F		
	c. Hands-On Mockup*77,04	IS NS	E.		
	Total Class Space: 95,46	50 NS	F		
(2)	Support Spaces:				
	a. Instructor's Work Space	72Ø N	SF		
	b. Instructor's Lounge	150 N	SF		
	c. Studen Break Area	000 N	SF		
	e. Administrative Space	97Ø N	SF		
	f. Training Aid Storage	57Ø N	SF		
	g. Other Support Spaces4,	433 N	SF		
	8,:	207 N	SF		
(9,528 NS	F + 1,500 NSF + 8,207 NSF) 1.33 = 25,58	33 SF			
*Hands-On since cir	Mock-up class space was not used in the culation and service areas had already	nis c been	alculation considered		
Total Req	uirement: 77,043 + 25,583 = 102,626 SI	F			
IV. Auto	motive Vehicle Maintenance Shop (Cat Co	ode 2	14-20):		
In ac	cordance with NAVFAC P-80:		e and a second		
			and a second of the second s		

S/N 0102-LF-001-3915





1. COMPONENT NAVY

FY 19 91 MILITARY CONSTRUCTION PROJECT DATA

27 Aug \*7

3. INSTALLATION AND LOCATION

DRIVER TRAINING SCHOOL

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

4. PROJECT TITLE

5. PROJECT NUMBER P-807

2. DATE

#### MT School Company T/E

#### Motor Transport Class VII

		Eqpt	S. Caller	Prod.	Rpr
		Cost	T/E	Space	Bay
Nomenclature	TAMCN	Code	Allow	Facto	rReqmt
Steam Cleaner, TRLR MTR4D	DØØ9Ø	Ø8ØØ	5	.016	.080
Lubrication and Servicing Unit	DØ91Ø	Ø8ØØ	3	.016	.048
Semitrailer, Refueler M970	D0215	0300	4	.023	.092
*LVS Front Unit MK48	D02Ø9	0300	20	.023	.460*
Semitrailer XM1000	D0225	0800	1	.016	.016
Semitrailer, Stake M127	D026Ø	0800	12	.016	.192
Trailer, Cargo 1/4 Ton, M416	D048Ø	Ø8ØØ	26	.016	.416
Trailer, Cargo, 1-1/2 Ton, M105	D086Ø	0800	25	.016	.400
Trailer, Tank, Water 1-1/2 Ton	D0880	0800	2	.016	.032
Container Hauler, MK14 (LVS)	D0876	0800	6	.016	.096
Wrecker MK15 (LVS)	D0877	0300	4	.023	.092
Fifth Wheel, MK16 (LVS	D0878	0300	4	.023	.092
Dropside Crane, MK17 (LVS)	D0879	1100	6	.020	.120
Truck Ambulance M718	D089Ø	0102	1	.015	.015
Truck Ambulance M1035 (HMMWV)	DIØØZ	Ø1Ø2	1	.015	.015
Truck cargo, 1 1/4 Ton, M10087					
(CUCV)	D1Ø16	0300	23	.023	.529
Truck, Cargo, 5T, 6x6, M923/M925/	D1050	azaa	128	Ø23	2.944
M813/M810	DIUSS	asaa	120	a23	046
Truck, Shelter Carrier, MI028 (HMMWV)	DIIDS	ששכש		.025	
Truck, Tank, Fuel Servicing M49	D110	0300	4	.023	.092
Truck, Tractor, 5T, 6x6, M931	D1134	0300	14	.023	.280
Truck, Utility, Cargo M998					
(HMMWV)	D1158	Ø3ØØ	92	.023	2.116
Truck, Utility, Cargo, M151	D1160	0300	61	.023	1.403
Truck, Wrecker, M543	D121D	0300	1 .	.023	.023
Truck, Wrecker, M936	D1212	0300	2	.023	.046
			447		9.188

Total number of Repair Bays (rounded) = 10

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED



1		1	-	
		•		
			1917	

S/N 0102-LF-001-3915



COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT	DATA	27 Aug 87
INSTALLATION MARINE CORP	LAND LOCATION S BASE, CAMP LEJEUNE, NC 28542		
PROJECT TITLE DRIVER TRAI	NING SCHOOL	5. PROJE P-80	CT NUMBER
In order f the indica required.	or repair bays to be functional for a ted vehicles and equipment, a 16'x35'	all van (typ:	riations of ical) bay i
10 bay	s x 560 SF = 5,600 SF	An el part el de Recordence gale	and an and a second
*Repair sp A separate required.	ace for support of the LVS (MK-48) was drive-thru repair bay of 1,120 SF (	as not 16' x	included. 70') is
Total Vehi	cle Maintenance Shop Requirement:		
10 Rep 1 Driv Admini	Dair Bays (16' x 35')= 5,600 SYe Thru (LVS) (16'x70')= 1,120 SStrative and Indirect= 1,120 S	F F	
Suppor (From Direc	table 214-20D for 10 bays) = $3,100$ S t Support = $4,270$ S	F	
(From	table 214-200 for 10 bays, - 4,270 5	- न	
Summary:			
Facil Acade Appli Dispa Vehic	nic Instruction Bldg (171-10) ed Instruction Facilities (171-20) tch Bldg. (171-20) le Maintenance Shop (214-20)	24,664 77,043 225 14,090	1 SF 3 SF 5 SF 3 SF
Total	Requirement	16,023	2 SF
14. Main	tenance Facilities: Not appliable.		in a set of the set
15. <u>Mora</u> applicabl	le, Welfare, and Recreation Facilitie	es: N	ot
16. <u>Relo</u>	cation Facilities: Not applicable.		
17. <u>Stor</u>	age Facilities: Not applicable.		



NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	27 Aug 8.7
3. INSTALLATION AND MARINE CO	RPS BASE, CAMP LEJEUNE, NC 28542	

# 18. Hazard Identification, Assessments and Analysis:

The proposed facility will be a Motor Transport School Facility. The following potential hazardous conditions will be considered during the design phase:

a. Exhaust Fumes

DD 1 DEC 76 1391c

S/N 0102-LF-001-3915

- b. Battery Acid Fumes
- c. Gasoline/Diesel fumes



#### COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (Pev.11/81)



----

6

.

1

Page

1. ACTIVITY (hase and Location

DRIVER TRAIN	ING FACILITY FY 91				P-807
COG. SYMEOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN-	UNIT OF ISSUE	UNIT	TOTAL
Built In	*Compressed Air System		Sys		
luipment:	*Sprinkler System		Sys		
	*Telephone, Intercom and Fire Alarm		Sys		
	*Ceiling Mounts for ITV Monitors		Sys		
	<pre>*Instructor Platforms for 6 Lecture Type classrooms (raised)</pre>		Ea		
	*Public Address Sys in the 4 Driver Training Shelters and Maintenance Shop		Sys		
	*Deep sinks/Lavatories throughout facility		Ea		
	*Exhaust Gas Removal System for all vehicles Trng Bays and Shop Maintenance Bays		Ea		
	*Tier arrangement for seat- ing in 6 classrooms		Sys		
	*Chalkboards, wall mounted		Ea		
· · · · · · · · · · · · · · · · · · ·	*Deluge Shower and Eye Wash CW ( for battery shop)		-Ea		
	*Steam cleaning System for Maintenance Shop Wash rack w/50' hose		Sys		
	*High pressure water system for cleaning vehicles at all wash racks w/high pressure hose		Sys		
	*External Storage for Lubricants, hazardous material and paint		Ęa		
	*Overhead Crane (for LVS)		Ea		
Section and an and a second		1. 18 19	1.1	and the second second	all more from the





COLL'ATERAL EQUIPMENT REQUIREMENTS (Innial Outfitting) LANTDIV NORVA 4-11010/6 (Rev. 11/81)



DATE JUL 2 9 1587

# MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

2. PROJECT TITLE DRIVER TRAIN	ING FACILITY				P. NO. P-807
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT	UNIT	TOTAL
	*Lift, floor hydraulic	Ea			$\begin{array}{c} & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $
1. Built-In Equipment to be MCON Funded:	*Overhead Lube and Air Sys. for Maintenance Shop		Sys		
(cont'd)	*Overhead Drop Light, HD for Maintenance Shop Bays	andra an	Ea		
	*Drainage system for Vehicles Lubricants, in floor for Maint Shop		Sys		
	Ventilation System (for battery room)				
	*Issue window for all tool rooms and dispatch office		Ea		
	*Hand wash, Round w/foot control (for maint. shop)		Ea		· · ·
	*Lockers (small) and showers in lavatories of Maint Fac.		Ea		
	*Bins for handout material ll"xl2"x6" (20 classrooms) (fabricate)		Ea		
	*Front wall of classroom 1 & 2 should have a smooth dry white surface to be		Ea		
Equipment with ass	ociated installation cost.			· · · · · · · · · · · · · · · · · · ·	
2 Expanse Itoms:					
La Expense items:		n data se		a a ser a ser Ser a ser	
<b>4910-00-</b> 543-7772	Work bench	38	ea	204.13	7,757
7240-00-160-0440	Can, trash garbage	57	ea	16.70	952
6645-00-530-3342	clock, wall electric	25	ea	8.55	214
5120-00-293-1439	vice, machinist's bench	11	ea	58.00	638
3415-00-517-7754	Grinder, bench mounted	3	ea	80.12	240
4940-00-449-6689	Parts cleaner-degreaser	4	ea	441.00	1,764



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (Pev.11/81)



#### DATEJUL 2 0 1987

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

2. PROJECT TITLE DRIVER TRAINING FACILITY					
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
3920-01-113-0117	Truck, hand, 2 wheeled	1	ea	85.19	85
7125-00-285-2420	Cabinet, storage	8	ea	136.58	1,093
7125-00-269-8534	Cabinet, storage	4	ea	139.93	560
7110-00-740-8931	Desk, single ped	21	ea	262.00	5,502
7110-00-082-6226	Chair, straight w/o arms	228	ea	31.81	7,253
7110-00-143-0821	Office table, 45"x34"	. 1	ea	164.00	164.
7110-00-286-3798	Cabinet, file, 5 dwr	14	ea	135.51	1,897
<b>7520-00-</b> 285-5416	Waste paper basket	26	ea	2.40	62
<b>7520-</b> 00-292-9421	File, horizontal, desk	29	ea	13.97	405
<b>7195-</b> ØØ-912-9445	Bulletin Board (small)	4	ea	10.12	41
<b>7195-</b> Ø1-Ø99-3444	Bulletin Board (large)	2	ea	361.25	723
7110-00-601-9822	Bookcase 32x13	20	ea	82.92	1,658
7110-00-177-4902	Office table 60"x30"	156	ea	125.00-	19,500
<b>712</b> 5-00-297-3795	Rack, storage, drum	4	ea	508.17	2,033
4110-99-001-0984	Refrigerator	1	ea	329.00	329
7110-00-132-6554	Desk, typist	3	ea	173.00	519
<b>7110-00-089-6791</b>	Chair, rotary w/arms	24	ea	63.03	1,513
<b>4910-</b> 00-190-5235	Tire tube leak detector (tank testing tire & tube) S/S B-14	2	ea	849.00	1,698
7430-00-461-9536	Typewriter, electric	4	ea	405.00	1,620
7429-99-989-1695	Adding Machine, electric	3	ea	151.20	454
7520-00-162-6178	Sharpener, pencil	11	ea	3.45	38
<b>62</b> 30-00-200-7771	Desk. lamp	21	ea	53.00	1,113
7195-00-262-6647	Coat rack	10	ea	21.45	215
7110-01-192-6173	Desk, computer	1		430.00	430-

....

3







•

DATE Jul 87

P. NO.

# COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (Rev.11/81)

1. ACTIVITY (MARE AND LOCATION: MARINE CORPS BASE, CAMP LEJEUNE, NC

- -

.... 

PROJECT RIVER TRAININ	NG FACILITY				P-807
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
2. Expense Items:	(cont'd)				den stat
7110-00-958-8044	Chair, rotary w/o arms	4	ea	57.72	231
7110-00-177-4901	Office, table 36"x24"	11	ea	90.00	990
110-00-758-6146	Desk, double pedestal	4	ea	411.00	1,644
110-01-157-8296	Couch, lounge	4	ea	330.00	1,320
230-01-000-0001	Lamp, table	4	ea	37.80	151
1125-00-297-3393	Rack, Tire storage	4	ea	40.00	160
240-00-256-7700	Waste Can, flammable mat'l	5	ea	19.00	95
125-01-C00-3832	Cabinet, flammable storage	2	ea	454.80	910
5120-00-234-1372	Vise, bench (small)	26	ea	9.00	234
<b>191</b> Ø-ØØ-2Ø4-2448	Safety cage, tire repair (for 1400 x 20 tire)	25	ea	898.06	22,452
<b>719</b> 5-00-C00-0049	Lecturn w/wheels	12	ea	95.00	1,140
4910-00-675-1478	Mounter/demounter (tire machine auto changer) pneumatic tire, floor mounted, power capacity range 7-1 through 14-24, motor elect. 2HP capacitor type 60HZ, 230V, 12.6 amp requires 30 amp circuit breaker. Installation Installation req'd 11'dia. working space. Non-definitiv spec/std data type 3, RN difference capacity differ- entiated by tire, type and size range, Part #931A	1	ea	3164.00	3,164
4210-00-720-1815 \$9C	Fire Extinguisher, fire 2-1/2 gal, water, s/s w/hanging bracket	12	ea	29.08	349
<b>4210-01-202-7858</b>	Extinguisher, fire, 15 1b cap. CO2, carbon monoxide, hand operated w/hanging bracket	10	ea	91.98	920







#### ATERAL EQUIPHENT REQUIREMENTS (Initial Outfitting) DIV NORVA 4-11010/6 (Rev.11/81) COL

DATE JUL 2 9 1987

# MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

2. PROJECT TITLE								
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL			
2. Expense Items: (o	ont'd)							
Brodhead-Garrett Co.	Shelving, closed 8 shelves per unit #461260 36x24x85 (102)	8	ea	267.00	2,136			
	Add on units for above #461282 (Cl02A)	60	ea	245.00	14,700			
McMaster-Carr POB 440 New Brunswick, NJ Ø8903	Charger, multiple charging station, 10 charging circuits can handle up to 10-12V or 20-6V batteries at once or any combination of sizes for charges up to 50 Amps.	2	ea	416.44	833			
	#7047K5, pg 1284, cat 90			124 08	248			
	Charging lead set (24" #10	20	ea	12.17	243			
	leads) pg 1284, cat 90	i an the		filler opså som sine i s Frankriger	a statistica en en estatistica en estatistica en estatistica en estatistica en estatistica en estatistica en es			
	Steel Shelving, industrial #4586T16, closed shelf unit	50	ea	112.69	5,635			
	Shelf quick clips	100	ea	.22	22			
OP	Draperies & hardware	8	ea	90.00	720			
	Total Expense Items:				118,767			
	· · · · · · · · · · · · · · · · · · ·	+		Allassi Correge	and a second field and an			

6

.







DATE 29 Jul 87

### OLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) ANTDIV NORVA 4-11010/6 (Rev.11/81)

1 2

ACTIVITY (Near and Location) MARINE CORPS BASE, CAMP LEJEUNE, NC 28542 P. NO P-807 DRIVER TRAINING FACILITY UNIT UNIT TOTAL QUAN-OF COST ITEM/EQUIPMENT DESCRIPTION COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE Not Applicable. APA Equipment: Training Eqpt: 1,015 145.00 7 ea Projector, 35mm slide 730-LL-323-0232 1,841 263.00. ea 7 Projector, Overhead 730-LL-C00-3889 = 6,972 996.00 7 ea Player, videocasestte 5820-01-C00-1049 5,395 475.00 Monitor, ITV (ceiling mtd) 3 ea 5820-01-000-1058 763 109.00 7 ea Projector Stand 6730-01-000-1098 1,155 165.00 7 ea. Projector Stand 6730-01-000-1400 1,512 108.00 ea 4 Projector Stand 6760-00-514-2384 19,433 Total

6

. 6



NAVEAC 11013/7 (1-78)	COST ES	TIM	ATE	DATE PREPAREN 27 Aug 87			SHEET 1 OF 4		
upersedes NAVDOCKS 2417 and 2417A	CONSTRUCTION CONTRACT NO.						P-807	ION NUMBER	
CTIVITY AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542 PROJECT TITLE DRIVER TRAINING SCHOOL			ESTIMATED BY	W. L. B	CATEGORY C	CATEGORY CODE NUMBER			
			STATUS OF DESIG	N 7% 100%	JOB ORDER NUMBER				
			MATER	IAL COST	LABO	R COST	UNIT COST TOTAL		
ITEM DESCRIPTION	NUMBER	UNIT	UNIT COST	TOTAL	UNITCOST	TUTAL			
FACILITIES:							64 99	1 698 500	
ACADEMIC INSTRUCTION BUILDING	26,539	SF				All and a second s	04.00	.a	
APPLIED INSTRUCTION FACILITIES:							22.50	2.275.000	
PRE-ENGINEERED BLDG (4/70'X250')	70,000	SF					32.50	116 200	
COVERED SHELTERS (2/38'X68')	5,168	SF					22.50	110,200	
UBULCLE MAINTENANCE SHOP	:14,090	SF					61.00	859,490	
DISPATCH BLDG. (15'X15')	225	SF					64.00	14,400	
BUILT-IN EQUIPMENT:		1. A.						280.000	
HVAC SYSTEM	1	LS					2.00	222,488	
ENGINE EXHAUST SYSTEMS	76,720	Ø SF					2.90	34 999	
HYDRAULIC VEH LIFTS (34,000 1b)		2 EA	4				17,000	10.000	
BRIDGE CRANE	1	Ø TI	1				4,000	40,000	
COMPRESSED AIR SYSTEM	8,59	5 SI	5				1.35	11,600	
CENTRAL LUBE SYSTEM	8,59	5 SE	F				10,000	10,000	
PUBLIC ADDRESS SISTER		1 1	F				50,000	50,00	
3 WASTE OIL SISTEM (UNDERGROUND)	38 71	5 5	F			$\begin{array}{c} \sum\limits_{i=1}^{n} \sum\limits_{j=1}^{n} \sum\limits_{j=1}^{n} \sum\limits_{i=1}^{n} \sum\limits_{j=1}^{n} \sum\limits_{j=1}^{n} \sum\limits_{i=1}^{n} \sum\limits_{j=1}^{n} \sum \sum\limits_{j=1}^{n} \sum\limits_{j=1}^$	1.50	58,07	
FIRE ALARM & COMM	50,71	1					de la constance	48,00	

SAN 0105-UF-010-1335

# U.S. Government Printing Offices 1983-608-196/6811 4-



NAVFAC 11013/7 (1-78)	COST E	STIM	ATE	and the second	DATE 27	Aug 87	SHEET 2 OF 4		
ACTIVITY AND LOCATION	CONSTRUCTION C	ONTRACT NO.	IDENTIFICAT	IDENTIFICATION NUMBER					
CAMP LEJEUNE, NC 28542				W. L. E	CATEGORY C	CATEGORY CODE NUMBER			
DRIVER TRAINING SCHOOL	STATUS OF DESIG	N 7% 100%	ject JOB ORDER N	JOB ORDER NUMBER					
ITEM DESCRIPTION			MATERIAL COST		LABOR COST		ENGINEERIN UNIT COST	G ESTIMATE TOTAL	
SUPPORTING FACILITIES:									
SPECIAL CONSTRUCTION FEATURES	1	LS						100,000	
SITE IMPROVEMENTS & CLEARING	25	AC			e .817			100,000	
WASH APRONS (20/20'x40')	30	EA						225,000	
(10/20'x60')					and off		An All Children	-	
STORAGE: POL, HAZARDOUS WASTE	. 800	SF					32.50	26,000	
FLAMMABLE, PAINT, ETC.	-					1			
DRIVE ON RAMP	1	EA	Real Property				10,000	10,000	
UNDERGROUND FUEL STORAGE (DIESEL)	10,000	GA					4.50	45,000	
UNDERGROUND FUEL STORAGE (GAS)	2,000	GA		4	P F an		4.50	9,000	
FUEL PUMPS; TWIN OUTLET	5	EA	este an este				5,000	25,000	
PAVEMENT: REINFORCED CONCRETE	2,000	SY					31.00	62,00	
PAVEMENT: BITUMINOUS PAVEMENT	51,312	SY	R. H. C.		Service .		17.35	890,26	
PAVEMENT: CRUSHED STONE	42,435	SY				and the second	7.60	322,50	
FORDING PIT (100'LX15'WX4'D)	1	EA		14 			12,000	12,00	
FENCING	4,000	LF					16.20	64,80	
	- N-	3.7	Sec. 1	Sector 12	d Costa	and the second	· · · - · · ·	-	

-

# U.S. Government Printing Office: 1982-608-108/8911 2-1



NAVFAC 11013/7 (1-78) Summarized to NAVDOCKS 2417 and 2417A	COST E	STIM	ATE		DATE P 27	Aug 8.7	SHEET	OF 4
ACTIVITY AND LOCATION MARINE CORPS BASE		CONSTRUCTION C	ONTRACT NO.	IDENTIFICATI P-8 CATEGORY CO	IDENTIFICATION NUMBER P-807 CATEGORY CODE NUMBER			
PROJECT TITLE			W. L	. BRANT			171	-10
DRIVER TRAINING SCHOOL			STATUS OF DESIG	N 0% 100% [	FINAL X Other	(Specify)_Pro	ject <sup>job order N</sup>	UMBER
	QUANT	TY	MATER	IAL COST	LABO	R COST		
THEM DESCRIPTION	NUMBER	UNIT	UNITCOST	TUTAL	- Civil Cost	TOTAL		
UTILITY CONNECTIONS;							and the second	
ELECTRICAL DISTRIBUTION	1,200	LF				i i	185.00	222,000
WATER DISTRIBUTION	1,000	LF					33.35	33,350
STEAM DISTRIBUTION	600	LF					124.15	74,490
SANITARY SEWER	1,000	LF					89.30	89,300
COMMUNICATIONS	1,200	LF					50.00	60,000
STORM DRAINAGE	2,400	LF					28.00	67,200
UTILITY IMPROVEMENTS:					in and a			
STEAM AND CONDENSATE	800	LF					124.15	99,320
UPGRADE EXIST'G OH STEAM DIST	2,200	LF					172.00	378,400
SANITARY SEWER:								
REPL. FILTER PUMPS AT M-136	3	EA					10,000	30,000
PROVIDE COMMINUTOR (15"DRUM)	1	EA					20,000	20,000
SEWER PIPING	1,200	LF					32.30	38,760
WATER:		200						
ELEVATED STG TANK 250,000 GA	1	GA					400,000	400,000
ALTITUDE VALVE AT S-TT-40 TANK	1	EA					10,000	10,000

S/N 0105-LF-010-1335

# U.S. Government Printing Office: 1982-505-106/6911 8-1



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST	ESTIM	ATE		DATE 27	Aug 87	SHEET	4 OF 4	
ACTIVITY AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NC 28542 PROJECT TITLE DRIVER TRAINING SCHOOL			CONSTRUCTION CONTRACT NO. IDENTIFICATION NUMBER   P-807 P-807   ESTIMATED BY CATEGORY CODE NUMBER   W. L. BRANT 171–10   STATUS OF DESIGN JOB ORDER NUMBER   PED 30%   100% FINAL XX Other (Specify)						
PUMP CONTROLS TO BLDG 670	1	LS					50,000	50,000	
WATER PIPING	600	LF		<u></u>			33.25	19,950	
SUBTOTAL				a share				9,220,220	
CONTINGENCY - 5%								461,011	
TOTAL CONTRACT COST								9,681,231	
<u>S.I.O.H 5.5%</u>								532,468	
TOTAL REQUEST				<u></u>				10,213,699	
TOTAL REQUEST (ROUNDED)								10,200,000	
		1.1925	1						
								Aller Strange	
		in the second se		National Ant		an in			
								1	
					1.20				
						GEN .			
			1. St k.			1			


#### COST MODEL QUESTIONNAIRE

#### GENERAL:

807

This questionnaire will establish a measure of the project scope, early in the planning stage in a manner which will allow empirical prices to be applied. It is recognized that many design decisions cannot be made at this time; however, if a realistic price is to be developed, the needs of the activity relating to a particular project must be defined. The NAVFACENGCOM method of conceptual estimating requires cost development from guidance cost of comparable construction. Any variation from guidance cost must be supported by a definition and cost of unusual features. This support is often necessary to provide adequate project funding.

### BUILDING:

The completed cost model (systems 111 through 499) must state what is planned, with <u>EMPHASIS UPON SCOPE FEATURES THAT GENERATE SIGNIFICANT COST</u>. Assumptions must be stated. Additional narrative description for unusual items is encouraged.

System 000 Building Construction

This system describes the total function of the building. As such, it is the most important information shown on the cost model.

#### SUPPORTING FACILITIES

The completed cost model (systems 500 through 999) should state what is planned with emphasis upon scope features that generate significant cost. Refer to additional guidance in the cost model questionnaire.

Notes:

 This Cost Model Questionnaire serves two purposes:
 At the budget stage it serves as a means of documenting and quantifying project requirements in such a manner that emperical prices can be used to generate a project cost.

At the final estimate stage it serves as a means of defining a project as designed, for storage in NAVFACENGCOM historical data collection system.

2. Notes asking for narrative/descriptions etc. are intended for use at the budget stage.

3. The cost model queationnaire systems list includes numbered systems that are "write-in". These numbers may be used to identify systems in the project that are not identified in the questionnaire. Sub-system numbers that are blank may be used for write-in.

4. Systems preceeded by (1) are considered built-in equipment.

5. Exterior Systems and Special Equipment need more scope definition for accurate pricing. Show narrative description as you best understand the scope when detailed lists are not available.



6. For all Building Systems using a systems quantity of "Gross Building Area", where the specific system is only in a portion of the building then the Gross Building Area is only the area in which the system occurs. Gross Area Calculations instructions apply.

÷

7. Gross Area Calculation Instructions - The total area of all floors, including mezzanines, basements and penthouses as determined by the effective outside dimensions of the building. One-half the area shall be included for uncovered loading platforms, covered ground level or depressed loading facilities and covered but not enclosed passageways, porches and balconies and stairs. Exterior uncovered stairs, uncovered stoops, paved terraces, and all enclosed space having an average ceiling height of less than 7 feet shall be excluded.

(These calculations are to determine scope SF. The cost of these features taken as zero area above <u>must</u> be priced. This can be done by pricing the actual areas as 'special features of additional cost' on the building SF derivation sheet.)



Y
Г
25
14.1

COST ENGINEERING SYSTEM (CES)

COST MODEL QUESTIONNAIRE

12/31/86

00

	Func	tion or	
171-1	Categ	ory Code	Z or Area
111-1	<u> </u>		

Where a single building includes areas of significant cost variation as identified by category code or functional area, show a breakdown by function or category code (under sub system 01 through 05). Show area in sq. ft. or by percentage to nearest 5%.

20 21 22 23 25 26	Number of Floors
40	Describe any known special NO MAJOR considerations; scheduling, security, SPECIAL asbestos removal, hazardous materials CONSIDERATIONS
50	Finish floor elevation above existing grade - nearest foot.
	* VARIES - 9 BUILDING COMPLEX
	** HAZARD - EXHAUST FUMES BATTERY ACID FUMES GLASOLINE/DIESEL FUMES 3



UCTUR	AL	•			
	Four 01 02 03 04 05	ndation Spread Footings Thickened Slab Pile Foundation Caissons Continuous wall footing	Ground Floor Area (SF	116,022	
Z	06	Grade Beans & PILE C	PILE CAPS		
****	** 2	or convenience pilings a rice under the supportin	re described with building g facilities. 911 Land Pf	foundation. ***** ling-Driven *****	
911	Lan	i Piling-Driven	Length of Piling (LF)	19,600 .	
V	02	Timber 25 TON	20 Under 25'	with the second second second second	
÷	03		21 26' - 35'	i and a second	
-	04	Concrete 10" Sa	- 22 36' - 45'		
-	05	Concrete 12" Sa	23 46' - 55'		
-	06	Concrete 14" Sa	- 24 56' - 65'		
	07		25 66' - 75'		
	08	Steel	- 26 76' - 85'		
-			- 27 86' - 95'		
			_ 28 Over 95'		
112	Sla 01 02 03	b on Grade Floating Grade Beam Supported File Supported	Slab on Grade Area (S Thickness 11 Under 6" 12 6" VARIES 13 8" 14 Over 8"	Floorload         30       Under 100         31       101 - 200         32       201 - 300         33       301 - 400         34       401 - 500         35       0000	
	Str 01 02 03 04 05	uctural Bearing Wall Steel Framing Concrete Cast in Place Wood	Gross Building Area	(SF) <u>116,022</u> 1	
Ξ.	07	Air Inflatable			
117	300	ported Floor	Supported Floor (SF)	•	
	01	Concrete Cast in Place		The Astronomic States	
-	02	Concrete on Steel Joist			
-	03	Concrete on Steel Frant	ing		
-	04	Precast Concrete			
	05	Wood			
	06				
				and the second	

\$



-115 Stairs Risers (E Area of Roof (SF) 40,852 116 Roof Structure Franing . 02 03 Precast Hollow Core 04 Precast Concrete 05 Wood ACATO INST. 26,539\_ 06 Steel Joist VEH & MAINT 14,090 07 Steel Framing - 9 DISP - If more than one entry, give percentage of each - nearest 10%. Gross Area of Building (SF) 75,168 117 Pre Engineered Building 01 Eave height under 12' App. INST - 70,000 02 Eave height 12-20' SHELTERS - 5,168 THE VAULT Gross Floor Area (SF) 119 Write-in System ARCHITECTURAL 141 Roofing Roof Area (SF) Surface 10 11 Built-up - 40,852 SF 12 Shingles 13 Elast. 14 Sprayed 15 Metal Roofing 75,1685F 16 Exterior Wall Area (SF) 6,000 142 Exterior Walls Ext. Surface Backup Height 01 Brick 21 CMU 30 Under 12' 31 12' - 20' 02 CMU 22 Wood Studs 03 Drivit 23 Steel Studs 32 over 20' 24 Conc Cast in Place 04 Metal Panels (SEE 117) 05 Stucco 25 Precast Concrete 26 Furring 06 Wood 07 Conc Cast In Place 08 Precast Concrete

.

If more than one height is shown give percentage of each - nearest 10%.



Interior Wall Area ( 41. 220 143 Interior Walls Height 21 8' 01 Concrete 22 9\* 02 Steel Studs 4 Clause 64 23 10' CMU 03 04 Concrete Cast in Place 10'+ 05 Wood Studs 06 If more than one entry under height, give percentage of each - nearest 10%. Give narrative description of type and size of rooms. Gross Building Area (SF) 116 022 144 Interior Finishes Celling Floor 21 Acoustical 11 Vat 01 Gypsum Board 22 Gypsum Board 12 Ceramic Tile 02 CMU 13 Quarry Tile 23 Plaster 03 Ceramic Tile 04 Wood Panels 14 Carpet 24 Concrete 05 Plaster 15 Concrete 25 Spray on 16 Terrazzo 06 Vinyl Wall Covering 17 Special Toppings 145 Doors Surface Area One Side (SF) VO1 Hollow Metal Exterior 02 Alum Entrance Store Front 03 Folding '04 Roll UP 25 REQ AT APPLIED INST BLD 05 Overhead " VEHICLE MAINT 14 06 07 08 Wood Interior 09 Hollow Metal Interior 1146 Windows Surface Area One Side (SF) Gross Building Area (SF) 116,022 147 Specialities 08 01 Wardrobes 02 Jail 03 Clean Room 04 Case Work 09 Wire Partitions 10 Metal Walkways 11 X-Ray 05 Dark Rooms 06 TOILET ACC & LOCKERS 07 Loading Dock

Give estimating quantities for required ITEMS OF SIGNIFICANT COST. List shown is not complete. Detailing of toilet accessories and partitions is not required. Very large items may be more suited to using a write-in system.



(1) 148 BEQ Wardrobes	Number of Wardrobes (EA)
- 01 With Chest	
_ Vz without chest	1. Alt
149 Write-in System	
DEMOLITION INTERIOR	
1. Demolition Tatastan	
N Complete Interior Partit	Gross Building Area (SF)
02 Complete Interior Finish	
03 Complete Interior Mechan	icel
04 Complete Interior Electr	ical
05 Complete Interior of Bld	g. 01 thru 04
-	and the second
172 Asbestos Removal Interior	· Total Cost (LS)
- 02	
_ 03	
173 - 175 Weddende Contant	
1/J - 1/J Write-In Systems	
/	
PLUMBING	
the second s	
Note: Refer to attachment #2 to det	ermine number of fixtures for systems 211 and 213
V211 Plumbing-Domestic	Number of Plantunes (PA) 1/29
- TT LIGHDING-DOMESCIC	Number of Fittures (EA) 101
	Capacity (MBTH)
213 Roof Drainage	Number of Drains (EA) 22
216 216 22.45 1 2	
	The second s
SPACE CONDITIONING	
221 HVAC	Capacity (MBTU or TNS)
20 Bldg. Htng Plant	24 Bldg. Htng Plant
HW, oil	HW, gas
21 Bldg. Htng Plant	25 Bldg. Htng Plant
Steam, oil	stean, gas
22 Bldg. Htng Plant	26 Bldg. Htng Plant
Hot air, oil	Elec.
23 Bldg. Htng Plant	27 Base Plant Steam
Hot air, gas	28 Base Plant HW
	29 Rece Plant HTH

£

Give tonnage, refer to attachment 1 if better information is not available. If building contains partial A/C, use systems 222 and 223 for each respective area.







(2) 235	Elevators Ol Electric O2 Hydraulic	Number of Stops 11 Passenger 12 Freight	
(1) 236	Escalators	Flights (BA)	
· (1) 237	Conveyors	Capacity (INS/H	R)
(1) 238	Write-in System		
SPECIAL	MECHANICAL PIPING SYSTEM		
(1)-201 	Vacuum Ol Medical O2 Industrial O3	Capacity (CFM)	
(1) 242	Oxygen	Outlets (EA) _	
(1) 243	Nitrogen	Outlets (EA) _	
(1) 244 	Compressed Air Ol Low Pressure 150 below O2 O3 High Pressure 151 up	Capacity (CFM) VEHICLE MA Applied II	SO INTENANCE BLD NST. BLD
-245	Interior Steam 01 High Pressure 11 02 Medium Pressure 12 03 Low Pressure	Capacity (PPH) 011 Fired Electric Fired	20 Fuel 011 Storage
	247 Write-in Systems MECHANICAL OTHER Pust Collection Cop	eeity (CR()	
L 252 253	Engine Exhaust Fan BATTERY SHOP EXH. - 255 Write-in Systems LUP	Capacity (CFM) _	40,000
FIRE PRO	TECTION		
(1) 271	Sprinklers         Gro.           01         Dry         10           02         Wet         11           03         Preaction         12           04         Deluge         13           05         14	ss Area Sprinkled Light Hazard Ordinary Hazard Extra Hazard Includes Booster	(SP) 115,797







(1) 321 Grounding	Gross Building Area	(SP)	
Q1 Lightning Grounding	Line and	(51)	
_ 02 Electronic Groundin	AB STATE	and the second s	
_ 03 Protective Groundin	48		
(1) 322 Lightning Protestion	Gross Building Area	(SF)	A.C.
(1) 323 - 326 Write-in System	6		
/	Sugar a state in a sugar		
SPECIAL ELECTRICAL, ELECTRONICS	<u>8</u>		
(1) 331 Security Detection	Gross Building Area	(SF)	
Oh Intrusion Alarm for	Access Control	(01)	
_ 02 Access Control			
_ 03 TV Camesa & Monitor			
If lavout to not available	depend be anon anon-d	the design of the	
Also describe intended fun	describe area covered	, where does alarm sour	d etc.
All COULTRE INCOMES IN	ction of system.		
1.			
(1) 332 EMCS (Energy Monitoring	g and Controls System)	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control	g and Controls System)	Number of Points	(EA) _
(1) 332 EMCS (Energy Monitoring Ol Local Control 02 Remote Control	g and Controls System)	Number of Points	(EA) _
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control	g and Controls System)	Number of Points	(EA) _
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (3) 333 Computer Communication	g and Controls System)	Number of Points	(EA) _
(1) 332 EMCS (Energy Monitoring Ol Local Control 02 Remote Control (1) 333 Computer Communication	g and Controls System) Cable Rum (LF)	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (1) 333 Computer Communication	g and Controls System) Cable Rum (LP)	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System	g and Controls System) Gable Run (LF)	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System	g and Controls System) Cable Rum (LF)	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (1) 335 Computer Communication 334 - 336 Write-in System COMMUNICATION	g and Controls System)	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 co.co.	g and Controls System) <u>Gable Run (LP)</u>	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 PAIR	g and Controls System) Cable Run (LP) Gross Building Area	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control 2 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 PAIR	g and Controls System) Gable Rum (LP) Gross Building Area	Number of Points	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control V 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 PA(R V342 Intercom	g and Controls System) <u>Gable Run (LP)</u> Gross Building Area Gross Building Area	Number of Points (SF) <u>116,022</u> (SF) <u>70 ALL BLD</u>	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control V 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 PAIR 342 Intercom	g and Controls System) <u>Gable Rus (LP)</u> Gross Building Area Gross Building Area	Number of Points (SF) <u>116,022</u> (SF) <u>TO ALL BLD'</u>	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control O2 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 PA(R 342 Intercom 342 Telephone	g and Controls System) <u>Cable Rus (LF)</u> Gross Building Area Gross Building Area	Number of Points (SF) <u>116,022</u> (SF) <u>TO ALL BLD'</u>	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control V 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 pA(R 342 Intercom 343 Television	g and Controls System) <u>Gable Rum (LP)</u> Gross Building Area Gross Building Area <u>Croce Building Area</u>	Number of Points (SF) <u>116,022</u> (SF) <u>TO ALL BLD'</u> (SF)	(EA)
(1) 332 EMCS (Energy Monitoring Ol Local Control V 02 Remote Control (1) 333 Computer Communication 334 - 336 Write-in System COMMUNICATION 341 Telephone 50 pA(R 342 Intercom 343 Television	g and Controls System) <u>Gable Rus (LF)</u> Gross Building Area Gross Building Area <u>Gross Building Area</u>	Number of Points (SF) <u>116,022</u> (SF) <u>TO ALL BLD'</u> (SP)	(EA)
<ul> <li>(1) 332 EMCS (Energy Monitoring 01 Local Control 02 Remote Control</li> <li>(1) 333 Computer Communication 334 - 336 Write-in System</li> <li>(1) 334 - 336 Write-in System</li> <li>(1) 341 Telephone 50 pA(R)</li> <li>(2) 342 Intercom</li> <li>(3) 343 Television</li> <li>(3) 344 Public Announcement</li> </ul>	g and Controls System) Cable Rum (LF) Gross Building Area Gross Building Area Cross Building Area Gross Building Area	Number of Points         (SF)       116,022         (SF)       70 ALL BLD'         (SF)       To ALL BLD'         (SF)       To ALL BLD'	(EA)
<ul> <li>(1) 332 EMCS (Energy Monitoring Ol Local Control V 02 Remote Control</li> <li>(1) 333 Computer Communication 334 - 336 Write-in System</li> <li>334 - 336 Write-in System</li> <li>COMMUNICATION</li> <li>341 Telephone So pAR</li> <li>342 Intercom</li> <li>343 Television</li> <li>344 Public Announcement</li> </ul>	g and Controls System) <u>Gable Rum (LP)</u> Gross Building Area Gross Building Area Cross Building Area Gross Building Area	Number of Points         (SF)       116,022         (SF)       70 ALL BLD'         (SF)       70 ALL BLD'         (SF)       70 ALL BLD'	(EA)
<ul> <li>(1) 332 EMCS (Energy Monitoring Ol Local Control 2 02 Remote Control</li> <li>(1) 333 Computer Communication 334 - 336 Write-in System</li> <li>(1) 334 - 336 Write-in System</li> <li>(1) 334 - 336 Write-in System</li> <li>(1) 334 - 336 Write-in System</li> <li>(1) 341 Telephone So pA(R.</li> <li>(2) 342 Intercom</li> <li>(343 Television</li> <li>(344 Public Announcement</li> <li>(1) 344 Public Announcement</li> </ul>	g and Controls System) Gable Rum (LP) Gross Building Area Gross Building Area Gross Building Area Gross Building Area	Number of Points (SF) <u>116,022</u> (SF) <u>TO ALL BLD'</u> (SF) <u>TO ALL BLD'</u> (SF) <u>TO ALL BLDS</u>	(EA)



MEDICAL EQUIPMENT (1) 411 Hospital Equipment Gross Building Ares (SF) (1) 412 Dental Equipment (1) 413, 414 Write-in Systems FOOD SERVICE

(1) 422 - 425 Write-in Systems MISCELLANEOUS EQUIPMENT

(1) 431 Chapel Equipment

(1) 432 Movie Theater Equipment

(1) 433 Rifle Range Equipment

(1) 434 Laboratory Equipment

(1) 437 Waste Disposal Equipment

(1) 438 Write-in System

SPECIAL WAREHOUSE EQUIPMENT

(1) 441 Special Warehouse Equipment Gross Building Area (SF)

(1) 442 - 444 Write-in Systems

SPECIAL CONSTRUCTION

451 Hanger Doors 01 Sliding 02 Vertical Lift

452 Vault Doors

Number of Chairs (EA)

(1) 421 Food Service Equipment Pieces of Food Service Equip (EA)

5

Gross Building Area (SF)

Gross Building Area (SF)

Firing Lanes (EA)

Number of Pieces (EA)

Equipment Capacity (PPH)

Surface Area One Side (SF) 10 Manual 11 Power Operated

Number (EA)







## SUPPORTING FACILITIES

(Systems 500 through 999)

Note:

1. Show the following criteria suitable for the application of historical cost; under each applicable system heading;

a. Size (assume if unknown) and length of utility runs. Include storm drainage requirement. Indicate valves, fire hydrants, manholes, catch basins and other significant extras. Depth of cut (when over 6 feet) and dewatering requirements must be shown.

b. Area and assumed section for paved areas. Identify each type and section variation.

c. Description of work required for grading, cut and borrow. Describe assumed nature of materials to be moved. If rock excavation is required, state assumptions on removal requirements, eg: rip, blast etc.

d. Indicate approximate quantities of clearing and grubbing in acres, and whether heavy, medium, or light.

e. Describe any unusual features required outside the building 5 foot line such as: sewage lift stations, wash racks and water tanks, and unsuitable soil conditions

f. If hazardous materials are present, state type, extent and method of disposal.

g. See System 911 for Land Piling - Driven.



# VEXTERIOR ELECTRICAL

S11 Electrical Distribution, Primary

512 Electrical Distribution, Secondary

513 Substation/Transformer

1514 Area Lighting

515 Airfield Lighting

516 Lightning Protection

517. 518 Write-in Systems

# EXTERIOR COMMUNICATION

521 Fire Alara RADIO

523 Communication, Telephone

Length of Rum (LF) 550 Capacity DATE 1200KW

Length of Run (LF) 1800

Number of Fixtures (EA) 30

Length of Run (LF)

Points of Protection (EA) \_\_\_\_

Length of Run (LF) N/A

Length of Run (LF)

Length of Run (LF) 3000

1524 Exterior EMCS (Energy Monitoring Control System) Length of Run (LF)

## - 525, 526 Write in Systems

EXTERIOR MECHANICAL

541 Heat Distribution, Overhead

542 Heat Distribution, Underground

543 Chilled Water Distribution

544 Condensate Collection (only)

545 Gas Distribution

546 Compressed Air Distribution

BUILDIS Length of Run (LF)	3000
UTILITY UP GRADE	3000
Length of Run (LF)	
Length of Run (LF)	
Length of Run (LF)	
Length of Run (LF)	7.08
Length of Run (LF)	



547 Fuel Distribution	Length of (LF) N/A
. 348 Exterior Form	Length of Run (LP)
- SAS WHITE IN STORE VEHICLE PET	TROLEUM DISPENSING
EXTERIOR WATER DISTRIBUTION	
551 Water Distribution	ALD Length of Run (LF) 3200 UTILITY UP GRADE (LF) 100
552 Fire Protection Water Distribution	Length of Run (LF) SEE 551
- 553 Selt Water Distribution	Length of Run (LF)
554 Sanitary Severa Functor	LAVITY LITILITY UP GD. 1100
555, 556 Write-in Systems- WATER	TANK REPLACMENT 350,000 GA
- 561 Fuel Storage, Bulk	Capacity (BBL)
562 Fuel Storage, Ready Issue	Capacity (GAL) 2,000 DIESEL (GAL) 10,000
"563 Water Storage WATER TANK R	Eplace (Capacity (GAL) 350,000
564 - 566 Write-in Systems WASTE	DIL TANKS. (GAL) 1000
571 Vehicle Fueling 5-2HOSE P	AMPS Number of Outlets! (EA) 10
572 Aircraft Fueling	Number of Hydrants (EA)
573 Marine Fueling	Number of Outlets (EA)
574 - 576 Write-in Systems	
581 Fuel Pumping Station	Pump Capacity (GPM)
582 Water Pumping Station	Pump Capacity (GPM)



-303 Fire Boost Fung	Capacity (CPM)
584 Sewage Pump Station	FORCED MAIN Pump Capacity (GPH)
- 505 Sewage Lift Station	Pump Capacity (GPM)
586 Heito-in System BOOSTER, pur	np for
TREATMENT FACILITY WASH RACKS	· ·
591 Water Treatment	Capacity (MGD)
592 Domestic Sewage Treatment	Capacity (MGD)
593 Industrial Waste Treatment	Capacity (MGD)
594 - 596 Write-in Systems	
DEQUIPMENT BUILDING	
611 Machanical Equipment Building	Gross M.E. Building Area (SF)
Building required to house mechanical en	suinment when not connected to the
main building and not included in gross	area shown under the primary facility.
main building and not included in gross 612 Electrical Equipment Building	area shown under the primary facility. Gross E.E. Building Area (SF)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems	area shown under the primary facility. Gross E.E. Building Area (SF)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS	area shown under the primary facility. Gross E.E. Building Area (SF)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2.9.24'	Opening Width (LF) <u>48'</u>
main building and not included in gross 612 Electrical Equipment Building <u>613 - 615 Write-in Systems</u> <u>SUPPORTING STRUCTURES MISCELLANEOUS</u> 621 Security Gate 2@24' 622 Guard House DISPATCH OFFI	Opening Width (LF) 48'
main building and not included in gross 612 Electrical Equipment Building <u>613 - 615 Write-in Systems</u> <u>SUPPORTING STRUCTURES MISCELLANEOUS</u> 621 Security Gate 2@ 24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems	Opening Width (LF) <u>48</u> Gross Building Area (SF) <u>225</u>
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2@24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems POLLUTION ABATEMENT STRUCTURES	Opening Width (LF) <u>48</u> Gross Building Area (SF) <u>225</u>
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2@24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems POLLUTION ABATEMENT STRUCTURES 641 011 Water Separators	Opening Width (LF) <u>48</u> Gross Building Area (SF) Capacity (GAL)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2@24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems POLLUTION ABATEMENT STRUCTURES 641 011 Water Separators 642 Electro-Static Precipitator	Query left when not connected to the area shown under the primary facility.         Gross E.E. Building Area (SF)         Opening Width (LF)         48'         ICE         Gross Building Area (SF)         ZZE         Capacity (GAL)         Air Flow (SOFM)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2.24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems POLLUTION ABATEMENT STRUCTURES 641 OIL Water Separators 643. VENTILATION SYSTEMS	opening Width (LF)       48'         opening Width (LF)       48'         oc∈       Gross Building Area (SF)         Capacity (GAL)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2@24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems POLLUTION ABATEMENT STRUCTURES 641 011 Water Separators 643. VENTILATION SYSTEMS EXHAUST FUMES	Query left when not connected to the area shown under the primary facility.         Gross E.E. Building Area (SF)         Opening Width (LF)       48'         Opening Width (LF)       48'         ICE       Gross Building Area (SF)       225         Capacity (GAL)
main building and not included in gross 612 Electrical Equipment Building <u>613 - 615 Write-in Systems</u> <u>SUPPORTING STRUCTURES MISCELLANEOUS</u> 621 Security Gate 2@ 24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems <u>POLLUTION ABATEMENT STRUCTURES</u> 641 011 Water Separators <u>642 Electro Static Precipitator</u> 643. VENTILATION SYSTEMS EXHAUST FUMES BATTERY ACIO FUME	opening Width (LF)       48'         opening Width (LF)       48'         oce       Gross Building Area (SF)         Capacity (GAL)
main building and not included in gross 612 Electrical Equipment Building 613 - 615 Write-in Systems SUPPORTING STRUCTURES MISCELLANEOUS 621 Security Gate 2@ 24' 622 Guard House DISPATCH OFFI 623 - 625 Write-in Systems POLLUTION ABATEMENT STRUCTURES 641 011 Water Separators 643. VENTILATION SYSTEMS EXHAUST FUMES BATTERY ACID FUME GAS OLINE /DIESE 4	Opening Width (LF)       48'         Opening Width (LF)       48'         ICE       Gross Building Area (SF)         Capacity (GAL)



SHOP SUDPOPT STRUCTURES	
651 Vehicle Grease Backs	Number of Vehicle Racks (EA) 2_
652 Vehicle Wash Platforms	Number of Vehicle Bays (BAT 5600
682 - 686 Unitaria Sustans	
ASECRAFT CLEANING FACILITY	
661 Mircraft Washing Facility	Paved Area (SY)
662 Aircraft Rinsing Facility	Paved Area (SY)
663 - 666 Write-in Systems	
PAVING	
	Paved Area (SY)
712 Flexible Roads	Paved Area (SY) 5400
755 Overlay Roads	Paved Area (ST)
714 Surface Treatment Roads	Paved Area (SY)
715 Slurry Seal Road	Paved Area (SY)
716, 717 Write-in Systems	
PARKING	
721 Concrete Parking	Paved Area (ST) 8280
722 Flexible Parking	Paved Area (ST) 100,357
751 Overlay - Parking	Paved Area (ST)
724 Surface Treatment - Parking	Paved Area (SY)
725 Slurry Seal Parking	Paved Area (SY)
726, 727 Write-in Systems	






INCLOENTAL PAVING WORK 771 Pavement Milling Milled Area (SY) 772 - 776 Write-in Systems BARTHWORK Volume (CT) CLEAR 25 ACRS 811 Earthwork 812 Borrow Volume in Place (CY) 60,500 Area Graded (SY) \_ 7.100 1813 Topsoil, Seed, Sod -814 Landscaping Ares Planted (ST) -815 Site Irrigation-Number of Sprinkler Beads (BA) 816 Surcharge Fill in Surcharge (CT) <u>3094</u>0 + 817 Earth Replacement In Place Measurement (GY) 818 Environmental Protection Area Protected (ACRES) 25 - 819 Write-in System SITE IMPROVEMENTS Area Developed 1875 25 ACRES 821 Site Improvements 822 - 825 Write in Systems STEE PREPARATION MISCELLANEOUS 831 Site Dewatering (Major) Header Pipe (LF) 832 - 835 Write-in Systems DEMOLITION 841 Remove Utilities UTILITY 4PGRADE Length of Run (LF) -842 Remove Paving and Slabs Ares Removed (ST)



-843 Remove Strumper

1844 Remove/Dispose of Asbestos (Exterior) UTILITY INSULATION

846 Remove/Dispose of Contaminated Earth

845 Remove/Dispose of P.C.B.

ucture Volume (CP)

Total Cost (LS)

Total Cost (LS)

Volume of Earth Removed (CY)

. .

STORM DRAINAGE

851 Storm Drainage Piping

847 Write-in System

- 852 Box and Arch Culvert

Length of Run (LF)

Length of Culvert (LF)

853 Drainage Facing Materials RHP RAP Surface Area (ST) \_\_\_\_\_\_

- 054 - 056 Write is Systems - Catch trace ??

FENCING

861 Fencing (Perimeter)

802 Lencing (Alara)

863 - 865 Write-in Systems

DECREATION EQUIPMENT/ FILMOS

871 Playground Equipment

872 Playing Field Equipment

873 Tennis Courts

874 Softball/Basaball Fields

875 Football/Soccer Fields

876, 877 Write-in Systems

Length of Fence (LF) 6200 GATES LF 150 Length of Fence (LF)

Pieces of Equipment (EA)

Pieces of Equipment (EA)

Number of Courts (EA)

Number of Fileds (EA)

Number of Fields (EA)



# SPECIAL BUILDING FOUNDATIC



22

1)



# MARINE STRUCTURES SIMILAL

941 Bulkheads/Seawalls

942 Brosion Protection - Marine 943 Riprap (Marine) 944 - 946 Write-in Systems

# MARINE REPAIRS

951 Underdeck Repairs 952 Pile Repairs Marine 953 - 957 Write-in Systems

#### DREDGING

961 Mobilization/Demobilization - Dredging 963 Hydraulic Bredging 964 Bucket Dredging 965 - 966 Write-in Systems

# TOWERS/ANTENNAS

- 971 Towers
- 972 Antennas
- 973 976 Write-in Systems

#### TUNNEL/PIPE JACKING

981 Tunneling

982 Pipe Jacking

983 - 986 Write-in Systems

HEAVY CONSTRUCTION MISCELLANEOUS

991 Bridges

992 Overpasses

993 - 996 Write-in Systems

	-
1	
·	

Total	L Face A	cea (SI	!)	1
Area	Covered	(ST) _		
Area	Covered	(ST)		

Total	Cost	(LS)			
Length	Repa	ired	(LF)		

Total Cost (LS)		a series and the	
Volume	(07)		See
Volume	(CY)		

Length (LF)	10 A. 18
Total Cost (LS)	and the second

Volume	Removed	(CY)	

Length Jacked (LF)

Deck Area (SF)

Deck Area (SF)



# AIR CONDITIONING TONNAGE GUIDE

		FLOOR AREA /
ATEGORY CODE	TITLE	TON OF A/C
171-15	Reserve Centers	450 - 600
171-20	Applied Instruction Building	NO STANDARD
171-25	Auditorium	0.04 - 0.06 tons/seat
171-35	Flight Simulator	100 - 300
610-10	Administration Building	350 - 400
721-11	UEPH	1000 - 1200
722-10	Dining Facility	175 - 450
724-11	UOPH .	1000 - 1200
730-83	Chapel	300 - 500; or
		0.02 - 0.03 tons/seat
740-02	Location Exchange	NO STANDARD
740-20	Temporary Lodging	. 550 - 750
740-23	Commissary	800 - 900
740-25	Family Service Center	375 - 400
740-40	Bowling Alley	0.8 - 1.4 tons/seat
740-63	Enlisted Men's & Officers Clubs	600 - 650
740-74	Child Care Center	350 - 450
	Classrooms	400 - 500
	Computer Room	50 - 150
	Dispensaries	450 - 550
	Hospital Patient Rooms	450 - 550
	Married Personnel Quarters	900 - 1275
	Recreation Rooms	375 - 450
	Shops(Precision Equipment)	450 - 500

# Estimating Electrical Loads for Air Conditioning Systems

It is frequently necessary to estimate the power requirements for air conditioning systems when preparing a MILCON project and in other instances. For years, a rough rule of thumb was to use one (1) kilowatt per ton of cooling for any type system. Use of this rule neglects variation in cooling system efficiencies and the power consumption of auxiliaries such as fans and pumps. More accurate approximations of power consumption which include these factors are given in the table which follows.

ATTACHMENT 1



# APPROXIMATE KILOWATT/INPUT PER TON OF REFRIGERATION\*

tini.

Electrical Power

Regul rements

# Cooling Load

1.7 Kw/ton
1.8 Kw/ton
1.5 Kw/ton
1.5 Kw/ton
1.4 Kw/ton
1.75 Kw/ton
1.4 Kw/ton
1.75 Kw/ton

\*If type of system is not known, use the highest given values for estimating purposes.

ATTACHMENT 1



MATNO	PTYTIDE	COINT
TIDTIO	LTVIAT	COONT



Floor Drains (All Sizes)	1/3 Fixture
Floor Sink (All Sizes)	1/3 Pietuce
Water Closet	
	1 Plature
	1 FIACULE
Kitchen Sink	1 Fixture
Service Sink	1 Fixture
Bidets	1 Fixture
Electric Water Cooler	1 Fixture
Drinking Fountain	1/2 Fixture
Hand Wash Fountain (180 )	3 Fixture
Hand Wash Fountain (360)	4 Fixture
Bathtub	1 Fixture
Water Heater	0 Fixture
Urinal	1 Fixture
Single Shower Fixture	1/2 Fixture
Pre Fab. Shower (incl drain and fix)	1 Pieture
Multi Head Showar (SS)	1 Pieture
Presency Shower & Eve Mach	1 Pietuin
Free Week	1/2 Pretere
Eye wash	1/2 Fixture
Emergency Shower	1/2 Fixture
Dishwasher Connection	1/2 Fixture
Washing Machine Connection	1/2 Fixture
Garbage Disposal	1/4 Firture
Rough-in Piping (HW, CW, Waste)	1/2 Fixture
Mop Sink	1 Fixture
이 것 같은 것 같아요. 이 것 같아요.	

The above table to be used to determine number of fixtures for Standard System Descriptions, Systems 211 and 213.

ATTACHMENT 2



Submit all supporting documents to:

Commander Atlantic Division Naval Facilities Engineering Command Norfolk, Virginia 23511-6287

For Design:

Attn: Code 09A2, Section Head

For Shop Drawings:

Attn: Code 05

For As-Built Drawings:

Attn: Code 04A1 (As-Builts)

For QAP Manual:

Attn: Code 053

For Operations and Maintenance Manuals

Code 10

For Construction Surveillance

ROICC

C. REQUESTS FOR PAYMENT RECEIVED WITHOUT SUPPORTING DOCUMENTS WILL BE RETURNED UNPAID.



					APPENDIX	<u>A</u>		Date30	0787
1.	A&E Cont Construc	ract	No.: N624 Contract N	70 lo.: N6	 2470		•		
	Project	Title	(P-No.)/L	ocation	: P807 MCB	MON	TFORD	POINT DEUNE	CILITY
	Attachme	ents:	(Legible (Denote s	Copies Sep cove	Required) ar if not	provided	>		
	a.	1391	/ 1391 C						A CONTRACTOR
	b.	Budg	et Estimat	e Summa	ry Sheet			and the second second	
	<b>c</b> .	1114	strative D	rawings			and the second s		
	d.		OCATION &	Site Pla	an				1000 - 100 -
			tility Pla	2					
	α.	Cost	Model Que	stionai	ro				
	h.	0030	Houer que	Scionan	-	REAL PROPERTY		Sec. Margare	
	<b>i</b> .		an shipin a san shira a	iterati napilite	de entre parte		and the second	and the second states	
2.	Project	Budg	et:					\$	
	Cabinat	-4 04	staside Ca	natoriat.	ine Cost.			A REAL PROPERTY AND A REAL	

Estimated Overseas Construction Cost:

In accordance with design contract terms, you are responsible to ensure that estimated construction costs remain within programmed funds. Approval from the Project Manager (PM) is required to continue design in excess of programmed funds. You are responsible to design to scope. Approval from the PM is required to continue design in excess of the authorized scope.

5

3. LANTNAVFACENGCOM PM/Telephone:

LANTNAVFACENGCOM Engineer-in-Charge (ECI)/Telephone: Architect-in-Charge (AIC) Planner-in-Charge (PIC)

4. Activity Point of Contact/Telephone:



### 5. Services Required:

a. The following listed services are required: (Note Options)

PED Plans Specifications Cost Estimate Engineering Services (List all Items included in AGE fee) Soil Borings (\_\_\_LF) Survey/Plotting Field Investigation Asbestos Testing (\_\_\_tests) Computer Energy Analysis Printing/Duplication Value Engineering Study Representation Other (List All) Review Meetings (List All)

Travel and Subsistence Shop Drawing Review (Option) As-Built Drawing Preparation (Option) Interior Design (Option) Construction Surveillance (Option) Quality Assurance Plan (Option) (Coordinated need and scope with Code 053) Operations and Maintenance Manual Preparation (Option) Study (Identify Type) BEAP AGE Safety Plan Air/Water Permit Preparation Corps of Engineers Permit Preparation Rendering Other (Identify and List)

b. Project Engineering Documentation (PED): <u>Not Required/or</u> A PED is required in accordance with "LANTNAVFACENGCOM Instruction for Preparation of PEDs" (attached).

c. Energy Conservation: <u>Not Required/or</u> A computer energy analysis is required for buildings larger than 8,000 square feet (heating and cooling or cooling only) and buildings larger than 20,000 square feet (heating only). Refer to the A&E Guide. <u>Concurrence of systems to be studied shall be obtained prior</u> <u>to conducting study</u>. Contract N62470-\_\_\_\_ with (Company) is available for use. Instructions for its use may be obtained from the Project Manager (PM).

d. Bench mark datum shall be obtained from

our Design Division, Civil Engineering Branch (Area Code 804-444-9905).

the Activity.

e. Value Engineering (VE): <u>Not Required/or</u> VE of project will be conducted through a separate contract with \_\_\_\_\_\_. Your involvement in the VE Study is described in the A&E Guide. Data required for distribution directly to the VE Team is specifically outlined and this effort will be reimbursed under the heading of Engineering Services.

f. Quality Assurance Plan (QAP): <u>Not Required/or</u> A QAP is required. Its scope is provided as attachment \_\_\_\_\_. Fees for this effort shall be broken down under engineering services. Fees for post construction award services shall be identified separately from those services provided during design.

g. Base Exterior Architectural Plan (BEAP): Not Required/or A BEAP has been prepared for this particular area and shall be used as a guide for this project. Please refer to the A&E Guide. An on-board presentation <u>is/is not</u> required.



h. NAVFACENGCOM Computer Estimating System (CES): Not Required/or A computer estimate ut find our CES system will be referred with the prefinal and final (100%) submittars. The A&E shall furnish 7 floppy disks (5 1/4" D, doublesided, double density) and the Government will return loaded with the CES. A users manual and a hard copy of the CES database will also be furnished. Minimum hardware/software requirements are IBM compatible PC w/5 megabyte hard disk storage, printer, DOS (version 2.0 or greater), DBase 3.

A 1 day training class is conducted by Code 407 at LANTNAVFACENGCOM every 2 to 3 months. This provides instruction on preparation of load sheets and use of the microcomputer for CES estimates. Reservations may be made by calling Ms. Patty Brown at 804-444-9991.

The person responsible for estimating preparation is required to have attended the 1 day seminar at LANTNAVFACENGCOM for CES on a microcomputer.

A manually prepared cost estimate in the systems format or computer generated estimate may be submitted with the 35% submittal.

Review the A&E Guide, Section 7.2.3.

6. Fees and Options: (To be filled in at conclusion of negotiations on A&E contracts) NOTE TO PROJECT MANAGERS - THERE IS A CHOICE OF 2 TABLES FOR FEES - FIRST ONE IS ON THIS PAGE; SECOND ONE IS ON NEXT PAGE.

NOTES:

- (a) List Options to be Negotiated at a Later Date Stating Unpriced
- (b) Include Profit in Unit Costs for Additional Soil Borings or Asbestos Surveys/Tests

	BASIC				
	AWARD	35-100%/	OTHER		
	0-35%	OPIION	OPTIONS		
Direct Design					
Engineering Services		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	State State		
Travel and Subsistence	Same States	and the second second	1		
Shop Drawing Review	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Carl Contractor	a sugar		
As-Built Drawing Preparation					
Interior Design			1.		
QAP Services					
Periodic Site Visits during					
Operations and Maintenance Manual					
Construction Surveillance			a The second		
Unit Cost Additional Soil Borings		and the second sec		(Profit	Incl)
Unit Cost Additional Asbestos Surve	y		and the second	(Profit	Incl)
BASIC CONTRACT/CHANGE ORDER AMOUNT:					
TOTAL CONTRACT (CHANCE ORDER VALUE.					



Direct Design Engineering Services Travel and Subsistence Shop Drawing Review As Built Drawing Preparation Interior Design QAP Services Manual Periodic Site Visits during construction (\_\_\_\_\_\_months) Operations and Maintenance Manual Construction Surveillance Unit Cost Additional Soil Borings Unit Cost Additional Asbestos Survey

BASIC CONTRACT/CHANGE ORDER AMOUNT:

TOTAL CONTRACT/CHANGE ORDER VALUE:

7. Proposed Design Milestones:

The designer of record shall begin work upon receipt of contract document and pursue the work diligently in accordance with the date schedule established therein. Your assessment of the schedule shall be provided monthly to the PM.

	CONTRACTOR SUBMITTAL DATES	NO. DAYS	GOVT REV
AGE Award:	0	0	-
35%:	days after contract award		்
Prefinal:	days after NTP 35/100% option or days after return of 35% marked submittal whichever is later		(_)
Final (100%):	days after NTP 35/100% option or days after return of prefinal submittal whichever is later		ن ا
Advertise:			(_)
Award Construction Contract:			()

OPTIONS

OR



8. Scope Description: (Blocks 6, 7, 9, 10 and 11 from DD Form 1391 or attach legible Special Project Step II) (Attach Facility Study, Site Location Plan and Section 6 of the BESEP, etc., and list in order of attachment)

- A. 1391 / 1391C
- B. Budget Estimate Summary Sheet
- C. Illustrative Drawings
  - 1. Location & Site Plan
  - 2. Floor Plan
  - 3. Utility Plan
- 9. Site Approval Status: APPROVED 24 APR 87
- 10. Project Environmental Assessment (PEA): (Discuss status) ASSESMENT NOT COMPLETE. NO ADVERSE ENVIRONMENTAL EMPACT IS ANTICIPATED.

11. Intergovernmental Coordination Required by Designer with State or Federal Agencies Outside DOD: (Explain) EROSION CONTROL

12. Tentative Floor Plan Concept attached or Tentative Space Plan summarized below:

# TENTATIVE FLOOR PLAN CONCEPT ATTACHED.

13. Special Building Systems: (Brief description required)

- . Power Distribution System(s)
  - b. Emergency Power EXIT LIGHTING
- N C. UPS
- Nd. R.F. Shielding
- Ve. MCON Funded Built-in Equipment SPRINKLE SYSTEM
- N f. Raised Flooring
- 19. Compressed Air yES
- Th. Cranes and Hoists BRIDGE CRANE

i. Telephone/Telecommunication Systems (Activity provide description of system function and type) 50 PAIR

J. Other (describe) INTER COM & PA SYSTEM, HYDRAULIC LIFTS CENTRAL LUBE, ENGINE EXHAUST,



14. System Safety and Hazard Analysis

a. Has Activity prepared preliminary hazard analysis? No

b. Safety plan and hazardous analysis required by designer: yes no (predicated on Items a., b., and c. above coordinate this item with Code 408. MIL-STD-882 provides scope.)

c. Identify Hazardous substances requiring consideration in design: (Identify areas requiring investigation to determine existence of asbestos, or other toxic substances)

NO ADVERSE HAZARDOUS ENVIRONMENTAIL IMPACT. DESIGN CONSIDERATION TO INCLUDE CONSIDERATION FOR MOTOR NOISES, EXHAUST, BATTERY ACID & GASOLINE/ DIESEL FUEL FUMES

d. Identify Personnel safety measures required as part of facility design: (Identify known hazards to personnel performing design services) NONE

15. Demolition Proposed: NONE

16. Easements, Air and Water Discharge Permits Required: (define permit required, who approves and action plan) (coordinate with Activity and Code 114).

NONE

17. Special Building System Security Requirements: (Explain)

NONE - FENCING

18. List Significant Equipment from Other than MCON Appropriations: (Collateral equipment which requires interface with project design - existing and to be procured - proposed procurement schedule (from Activity))

NONE



19. Utilities:

a. Points of Connection Proposed: (Subject to consigner verification) (PM coordinate with Activity and/or Code 11)

Water

Sewer

Power

POINTS OF CONNECTION

Steam

Telephone 50PAIR

Fire Alarm RADIO

b. Restrictions on Utility Interruptions: (Discuss restrictions on utility system outages beyond routine and the need for maintaining constant service requiring construction of temporary utilities)

F

20. Construction Procurement Strategy

a. Number of Construction Contracts:

b. Proposed Construction Period: (Coordinate with Code O5 Area Manager) (If construction period based on specific date of operational need, provide basis; Identify Total construction period, any specific work sequences required, and interim critical completion dates)

c. Applicability of Standard Liquidated Damages: (Discuss only if deviation from standard proposed; state amount and provide justification)

d. Methods of Procurement Proposed:

- (1) Competitive Bid (Firm-Fixed-Price)
- (2) SBA-8(a)
- (3) Competitive Negotiation (Justification required)
- (4) Sole-Source (Justification required)
- (5) CPAF (Justification required)
- (6) Prequalified Bid List (Justification required)
- (7) Two-Step Procurement (Justification required)
- (8) Source Selection (Justification required)
  - (9) Requirements Contract
- (10) Indefinite Quantity Contract
- (11) Experience Clause(s) (Justification required and recommended wording)



e. Se	ecurit	v Rec	uirements	of	ASE	Contract:
-------	--------	-------	-----------	----	-----	-----------

f. Security Requirements of Construction Contracts:

g. Contractor Laydown Area: (Define if you expect restrictions by Activity which will lead to increased project cost)

21. Project Submittal Distribution:

	LANTNAVFACENGCOM	ACTIVITY	ROICC	TMD
Cost Model	2			No.
PED				
PED	7	1		
Cost Estimate	2			

Preliminary (35%)

Plans			1
Outline Specification	and the second		1
Cost Estimate			
Basis of Design	Caller and the second	a service that have	1
BEAP Preparation			Sec. March
Geotechnical Data			States and
VE Package	TO VE TEAM ONLY	and the second second	

Prefinal

Plans, Specifications			B. Cola		
Cost Estimate	1999 - 1999 -	Nº My SP		17 - 144 <u>1</u> 33	
Interior Color/Finish Material	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Calculations, Environmental Permits		at in	213		
All Marked Preliminary Submittal Data		- Alth	n selenar T		



LAN	WHYFALLINGCOM	HCITATIL	RUICC	1110
Final	•			
Plans - Tracings Prints	Original 2 sets			
Specifications	Bond 2 copies			
Cost Estimate	2 copies		and the second	
Calculations	1 copy			
Field Notes, Reports, Studies, Permits	1 copy each		1	
Interior Color/Finish Materials All DMs furnished by LANTNAVFACENGO	1 set			

#### MAILING ADDRESSES: DIRECT DISTRIBUTION TO EACH ADDRESSEE BY AGE IS REQUIRED

#### LANTNAVFACENGCOM

Commander Atlantic Division Naval Facilities Engineering Command Norfolk, Virginia 23511-6287

Attn: Code 09A2\_\_\_,

# CHESNAVFACENGCOM (When UPS procurement proposed from an appropriation "other than MCON")

(When facility provides space for hyperbaric systems or provides systems to be certified for breathing air)

Commanding Officer Chesapeake Division Naval Facilities Engineering Command Washington Navy Yard Washington, D. C. 20374

# NORTHNAVFACENGCOM (Crane procurements refer to NAVFACINST 11450.1)

Commanding Officer Northern Division Naval Facilities Engineering Command Building 77, Naval Air Engineering Center Philadelphia, Pennsylvania 19112

# ACTIVITY


Other Distribution: (List)

- 19. Submittal of Invoices:
  - a. When to Invoice:

TO SIMPLIFY INVOICE PROCEDURES, WE PREFER THAT YOU INVOICE UPON COMPLETION OF REGULARLY SCHEDULED SUBMITTALS (35%, PREFINAL (90%), 100%).

b. How to Invoice:

Requests for payment consist of two parts, A and B, which should be forwarded as follows:

Part A (Invoice): (Refer to A&E Guide)

- All invoices must contain the following:
- (1) Invoice (with original signature)
- (2) Contract Performance Statement (1 copy)
- (3) Affidavit (with original signature)
  - (a) Notary signature required for Virginia firms.
  - (b) Notary signature and notary stamp or raised seal required for firms located out of the State of Virginia

Submit all invoices to:

\*\*\*\*\*

Commander (Code 09A24) Atlantic Division . Naval Facilities Engineering Command Norfolk, Virginia 23511-6287

Part B (Supporting Documents): (Submit 10 days prior to Part A)

Supporting documents must contain the following:

(1) Contract Performance Statement (2 copies)

(2) Progress submittals - evidence supporting your work completed (i.e., copy of plans, studies, reports, field notes, minutes of meetings held).



11010 PWO

From:	Commanding General, Marine Corps Base, Camp Lejeune
To:	Commandant of the Marine Corps (LFL/MAJ Tiberg)
Via:	(1) Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, VA 23511-6287 (Attn: 09A2131/Code 407)
	(2) Commander, Naval Facilities Engineering Command 200 Stovall Street, Alexandria, VA 22332

- Subj: FY 91 MILITARY CONSTRUCTION (MCON) PROJECT P-807 DRIVER TRAINING SCHOOL, MARINE CORPS BASE, CAMP LEJEUNE
- Ref: (a) My ltr 11000 PWO dtd 12 May 87 (b) PHONCON btwn MAJ Tiberg (CMC) and Mr. W. L. Brant (MCB, CamLej) of 27 Aug 87

Encl: (1) FY-91 MCON Project P-807, Driver Training School documentation consisting of revised DD Form 1391 dtd 27 Aug 87, Facility Study with NAVFAC 11013 Cost Estimate, Facilities Planning Documentation and approved NAVMC Form 11069 Request for Site Approval with Site Location Map

1. The subject project was submitted as enclosure (4) to reference (a). During reference (b), it was brought to Headquarter's attention that FY-91 MCON Project P-893 (BEQ's for Camp Johnson) was not programmed at the Headquarters level and the utility improvements that were a part of P-893 should be a part of FY-91 MCON Project P-807 (Driver Training School). In accordance with reference (b) the enclosure is provided.

2. The subject project estimated cost has increased from \$9.000K to \$10.200K

3. The Atlantic Division, Naval Facilities Engineering Command is requested to certify the cost of the subject project as shown by enclosure (1) to the Commander, Naval Facilities Engineering Command with copies to CMC and this Command.

4. Point of Contact for this Command is Mr. W. L. Brant on AV 484-1833 or commercial (919) 451-1833.

> B.W. ELSTON By direction

Copy to: CMC (LFL) (advance) NAVFACENGCOM (advance)

Blind copy to: FAC CO, MCSSS Author: K. Foskey Typist: M. Thompson 9-3-87, 1833



1. COMPONENT NAVY	FY 1	991 MILITARY CO	NSTRUC	TION PR	OJECT DA	TA 2. D/	AUG 87
3. INSTALLATION MARINE COR CAMP LEJEU	AND LOC PS BA NE, N	ATION SE IC 28542		4. PROJECT	TTITLE R TRAINI	NG SCH	OOL
5. PROGRAM ELEN	ENT	6. CATEGORY CODE 171-10	7. PROJEC	t number 07	8. PROJE	ест соят (4 ,200	\$000)
		9. CC	ST ESTIMAT	'ES (All		er de la companya de	
		ITEM		U/M	QUANTITY	UNIT	COST (\$000)
DRIVER TRA	INING	FACILITY		SF	116,022	64 99	5,629
Academic Instruction Bldg. Applied Instruction Bldg. Pre-Engineered Bldg 4 @ 70x250 Covered Shelters 2 @ 38x68					70,000 5,168 14,090	32.50 22.50 61.00	(2,275) ( 116) ( 86Ø)
Dispatch Built-In SUPPORTING	Bldg Equi FACI	pment LITIES		SF - -	225	64.00	( 14) ( 666) 3,590
Special Utility	Const conne	ruction Featur ctions Improvements	es	LS LS LS		1-1-1	( 100) ( 546) (1,046)
Comm and Pavement	Fire	Alarm System		LS			( 58) (1,274) ( 225)
Wash Aprons Site Improvements Misc Structures (drive-up ramp,						-	( 100)
Fording pit, fuel pumps, etc.) SUBTOTAL					-		<u>241</u> 9,219 461
CONTINGENCY 5% TOTAL CONTRACT COST					-	-	9,680
TOTAL REQU	EST R	ROUNDED			ONS		10,212

Construct a permanent masonry academic instruction building consisting of reinforced concrete foundation and floors, structural steel framing, masonry walls, built-up roof and insulation with steel joist and interior support systems (i.e.: HVAC system, communication and fire alarm systems, etc.) Construct a vehicle maintenance shop with high bays of structural steel framing and reinforced concrete foundation and floors with masonry walls, and built-up roof and insulation. Interior support systems (HVAC, communications and fire alarm system, compressed air, central lube system, hydraulic lifts, overhead bridge crane, engine exhaust system etc.) storage for POL, hazardous, and flammable storage. Provide and erect four 70'x250' pre-engineered buildings for applied instruction to include reinforced concrete foundation

PREVIOUS EDITIONS MAY BE USED INTERNALLY DD 1 DEC 76 1391 UNTIL EXHAUSTED \*U.S. GOVERNMENT PRINTING OFFICE: 1979-603-076/3959 2-1

S/N 0102-LE-001-3910



NAVY	FY 19 91 MI	LITARY CONS	TRUCTION PI	ROJECT DA	<b>FA</b> 2	7 Aug 87
INSTALLATION A	RPS BASE, C	AMP LJEEUN	E, NC 2854	2		
PROJECT TITLE DRIVER . TR	AINING SCHO	OL		5.	PROJECT	NUMBER 07
LØ. Desc	ription of	Proposed C	onstructio	on:		
and floors systems wi support sy aprons wit floors, fe fording pi Provide mi electrical	, structura th steel jo stems for t h pollution ncing and l t, interior scellaneous utilities.	al steel fr pist and en the Driver n control, lighting, p r and exter s improveme	aming, me gine exha Training 2-38'x68' avement, ior utili ents to st	tal walls ist syste Facility shelters site impr ty connec eam, wate	and ms. inclu with oveme tions er, se	roof Exterior de, wash concrete nts, wer and
11. REQUI	REMENTS:					
PROJECT: Facility a dated Driv REQUIREMEN personnel vehicles a East Coast 400 pieces instructio provides a following	Construct a s permanent er Training IT: Provide in the ope along with c Consolida s of rollin ons and 20 academic in courses:	an Academic t facilitie g School. e adequate ration of first and ted Driver g stock and vehicle ma astruction	facilitie facilitie various ty second ech Training d employs intenance for 3,334	Vehicle M East Coa s for tra pes of or elon main School ma approxima workers. students	fainte ast Co rganiz ntenan ainta ately The annua	enance onsoli- g militar zational nce. The ins over 110- school ally in t
Motor Veh Automotiv (D Tractor T Semi-Trai Vehicle R	icle Operat e Organizat river Train railer Oper ler Refuele ecovery Cou	or's Cours ional Main ing portio ator Cours or Operator irse (VRC)	e (MVOC) t.Course n only) e (TTOC) Course (S	(AOMC) SROC)	249 118 168 67 189	Hours Hours .65 Hours Hours Hours
The appli on first at any gi	ed instruct and second ven time.	tion sectio echelon ma	n provides intenance	s trainin utilizin	g of g 100	personnel vehicles
CURRENT S exist in of this m Geiger ar pleted.	ITUATION: the Camp Jo ission. Ex ea will be	The MVOC i ohnson Area xisting ina utilized u	s a new m that can dequate f intil new	ission an be utili acilities construct	d_no zed i in t ion i	facilitie n support he Camp s com-

DD 1 DEC 76 1391C S/N 0102-LF-001-3915

UNTIL EXHAUSTED

f 4



COMPONENT			2. DATE
NAVY	FY 19MILITARY CONSTRUCTION PROJEC		
INSTALLATION	AND LOCATION		
MARINE CO	RPS BASE, CAMP LEJEUNE, NC 20542	IS PROJ	
PROJECT TITLE			P-807
DRIVER T	RAINING SCHOOL		1-007
IMPACT IF will conti learning e iveness of	NOT PROVIDED: The training of Mari nue in facilities which are not con xperience which will continue to im the training program.	ne Corp ducive pair th	s personnel <sup>.</sup> to a good e effect-
		<b></b>	
			2월 - 1일 및 1987년 1987년 11월 - 11일 및 1987년 1987년 11월 - 11일 및 1987년 198



NAVY F . INSTALLATION AND MARINE CORPS . PROJECT TITLE DRIVER. TRAIN	Y 19 91 MILITARY LOCATION BASE, CAMP LEJ	CONSTRUCTION P	2 5. PROJ	27 Aug 87
ARINE CORPS	LOCATION BASE, CAMP LEJ	EUNE, NC 2854	2 5. PROJ	
DRIVER, TRAIN	ING SCHOOL	EUNE, NC 2034.	5. PROJ	
DRIVER, TRAIN	ING SCHOOL		5. PROJ	
DRIVER.TRAIN	ING SCHOOL			ECT NUMBER
				P-807
	A CONTRACTOR OF A CONTRACT			
		CONCIDERATI	ONG	
	SPECIF	AL CONSIDERALL	ONS	
1. Pollution will not caus	Prevention, A	Abatement and air or water p	Control: Th ollution.	is project
2. Flood Haz No. 11296 (1	ard Evaluation lood Hazards)	n: Requiremen are not appli	ts of Execut cable.	ive Order
3. Environme Assesssment of design concept enviroinment	ental Impact: will be reviewed ots given cons al effects cons	The project E ed, and where ideration to e sistent with a	nvironmental required, th liminating a pplicable di	Impact dverse rectives.
4. Fallout is not incor	Shelter Constru- porated in this	uction: Fallo s project.	ut shelter p	protection
5. Design f Personnel: P are not requ	or Accessibili rovisions for ired in this p	ty of Physical physically han roject.	ly Handicapp dicapped per	oed sonnel
6. Use of A to conform w	<u>ir conditionin</u> ith DOD 4270.1	g: Ceiling "U -ll.	" factors wi	11 be made
7. Preserva project does site, buildi in the Natio quality of A	tion of Histor not directly ng, structure, nal Register o merican Histor	ical Sites and or indirectly object, or se r otherwise po y.	<u>affect</u> a dis atting which ossesses a s	This strict, is listed ignificant
8. "New Sta Activities P	<u>rt" Criteria f</u> rogram (OMB Ci	or Commercial rcular A-76):	or Industria Not applica	<u>al</u> able.

S/N 0102-LF-001-3915



I. OUTTO OTTATION		2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	27. Aug 87
3. INSTALLATION	ND LOCATION	
MARINE CO	RPS BASE, CAMP LEJEUNE, NC 28542	
4. PROJECT TITLE	5. PROJ	ECT NUMBER
DRIVER' TR	AINING SCHOOL	P-807
	FACILITY STUDY	
<u>l. Projec</u> Maintenanco Driver Tra	Provide 116,022 SF of Applied/Academic Shopo Facilities for the East Coast Cons Ining School at Camp Johnson.	/Vehicle olidated
2. Curren Project: of the time can only be increase as is establis	t and Planned Future Workload with Regard The percentage of usage for this facility e, and the duration of need is indefinite. e anticipated that the future workload wil s the East Coast Consolidated Driver Train shed.	to this is 100% It ing School
3. Descrij	otion of Proposed Construction:	
<u>a. Ty</u> (1 facility of structural insulation HVAC system Construct a structural floors with Interior su alarm system vehicle lis etc.) ston (1 buildings i crete found walls and i systems.	be of Construction: () Construct a permanent masonry academic reinforced concrete foundation and floor steel framing, masonry walls, built up ro steel joist, and interior support system a, communication and fire alarm systems, e a vehicle maintenance shop with high bays steel framing and reinforced concrete fou a masonry walls and bult-up roof and insu upport systems( i.e.: HVAC, communication em, compressed air, central lube system, h its, overhead bridge crane, engine exhaust age for POL, hazardous and flammable stor () Provide and erect four 70'x250' pre-eng for applied instruction to include reinfor lation and floors, structural steel framine coof systems with steel joist and engine e	instruction s, of and s (i.e.: tc.) of ndation and lation. and fire ydraulic systems, age. ineered ced con- g, metal xhaust
( Facility in shelter s w site improve connections	b) Exterior support systems for the Driver includes wash aprons with pollution control with concrete floors, fencing and lighting mements, fording pit, interior and exterio s, driver maneuver skills road test. Provide	Training , 2-38'x68' , pavement r utility de miscel-

....

大きなななないない



1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 27. Aug 87
3. INSTALLATION 4 MARINE COR	PS BASE, CAMP LEJEUNE, NC 28542	
4. PROJECT TITLE DRIVER 'TRA	INING SCHOOL	ect number P-807

b. <u>Replacement:</u> Existing facilities will be temporarily " utilized to satisfy deficiencies until new facilities are constructed.

## c. Description of Work to be Done:

(1) Primary Facility: Permanent reinforced concrete/ steel/masonry academic instruction building with built-up roof and insulation, HVAC. A reinforced concrete/steel/ masonry vehicle maintenance shop with high bays built-up roof and insulation, engine exhaust systems, hydraulic vehicle lifts, central lube systems, compressed air, overhead bridge crane, HVAC. Provide and erect four pre-engineered buildings 70'x250' for applied instruction with metal walls and roof systems, engine exhaust systems, reinforced concrete foundation and floors. -2-38'x68' shelters with concrete floors and metal roof systems; other supporting facilities include, driver maneuver skills road test, wash aprons with pollution control, fencing and lighting, pavements, site improvements, fording pit interior and exterior utility connections, and utility improvements to water, steam, sewer and electrical.

(2) Energy Conservation: Energy efficient equipment and building orientation for maximum energy conservation will be utilized.

(3) Collateral Equipment: See Enclosure (1).

(4) Supporting Facilities: Special piling, foundation collateral equipment, site improvements, and pollution abatement utility connections.

4. Cost Estimate: Area cost factor for Camp Lejeune, NC is Ø.86, cost data derived from the Military Construction Cost Review Guide, FY-84 (DOD 4270.1-CG), and escalated to FY-91. See enclosure (2).

5. Justification for Project and for Scope of Project:

(1) Project: Project is required to provide adequate applied and academic instructional facilities for the East Coast Consolidated Driver Training School (Motor Transport



NAVY 3. INSTALLATION A MARINE CC 4. PROJECT TITLE DRIVER TR	FY 19_91MILITARY CONSTRUCTION PROJECT DAT NO LOCATION PRPS BASE, CAMP LEJEUNE, NC 28542	A 27 Aug 87
MARINE CC MARINE CC PROJECT TITLE DRIVER TR	ND LOCATION PRPS BASE, CAMP LEJEUNE, NC 28542	
MARINE CO PROJECT TITLE DRIVER TR	RPS BASE, CAMP LEJEUNE, NC 28542	(A. And State Artshi
DRIVER TH	15.0	·二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、
DRIVER TH	그는 것 같아요. 그는 것 같아요. 여행 것 수 없는 것 같아요. 그는 것 같아요. 그는 것 같아요. 이 것 같아요.	ROJECT NUMBER
ATT Margarette State	AINING SCHOOL	P-807
School). P support of istrative s students to approximate Corps Motor here at  Ma Pendleton, ( Course (MVC	<pre>roposed complex will include total faci the MVOC; i.e., applied/academic facili pace, and supply requirements. The num receive training per year at this faci ly 3,334 persons. Two branches of the Transport School is to exist, one will rine Corps Base, Camp Lejeune and the o California. 2) Current Situation: The Motor Vehicl C) is a new mission and no facilities e</pre>	lities in ties; admin- ber of lity will be U. S. Marine be located ther at Camp e Operators xist in the
amp Johnso aission. E vill be uti	n area that can be utilized in support xisting inadequate facilities in the Ca lized until new construction is complet	of this mp Geiger are ed.
inadequate bilities.	) Impact if not Provided: Operation of facil-ities will result in impaired tea	the MVOC in ching capa-
b. Jus scope (116, the schedul The indicat Motor Trans the Marine Base, Camp 1987 (first	tification for Scope of Project: The p Ø22 SF) is the minimum size facility th e of classes for the Motor Transport Sc ed scope was taken from the "Outline of port Formal Courses prepared for Fiscal Corps Service Support Schools (MCSSS), Lejeune, and the Schedule of Classes fo revision). See Item 13.	roject at can meet hool needs. Instruction Year 1987, t Marine Corps r Fiscal Year
6. Equipme applicable.	nt Provided from other Appropriations:	Not
7. Common facilities	Support Facilities: There are no commo available in the MCSSS area.	n support
3. Effect Increased O operations. operate thi responsive situation a Order 12003 4100.5A.	on other Resources: This project will MMC funds for increased utility servic No additional personnel will be requi s facility. Proposed construction will to the challenges presented by the ener. nd comply with the requirements of Exec of 20 July 1977, and implemented by NA	require es and red to be gy utive VFACINST



COMPONENT						2. DAT	E
NAVY	FY 19 <u>91</u>	MILITARY	CONSTRU	JCTION PE	ROJECT DAT	TA 27	Aug 87
INSTALLATION	AND LOCATION		NC 205	12	10 Alexandre and and a		
MARINE CORP.	S BASE, CAME	LEJ EUINE	, NC 2054	12	(Ania)		
PROJECT TITLE	S. Article	Carlos P			5.	PROJECT NU	MBER
DRIVER TRAI	NING SCHOOL					P-807	
9. <u>Siting</u> the Camp J	of the Print of th	roject: ea of C	The pi amp Leje	coject w eune. S	vill be l See enclo	ocated sure (2	in * ).
10. <u>Other</u> See Facili	Graphic ty Planni	Presentang Docum	ations, ment, en	includi	ng Photo (3).	graphs:	
11. <u>Econ</u> ç	mic Analy	sis: T	his faci	ility is	being c	onstruc	ted on
an undevel will be in operations of an oper	oped site nominal s. This is ational mi	energy a mili ssion l	consump tary ope ocated	tion rea erationa in this	alized fr al projection area.	om effi t-in su	cient pport
12. <u>Envir</u> (EIA) is b EIA Review anticipate	conmental Deing writ W Board.	Impact: ten and No adve	An Env will be rse env:	vironmer e proces ironment	ital Impa sed thro al impac	ct Asse ough the t is	ssment local
13. Quant	itative D	ata:					
I. <u>Class</u> a. Ge NAVFAC P-8	coom Space eneral Aca 30:	<u>s:</u> demic (	Cat Code	e 171-10	) In acc	ordance	with
And the second second	Classro	om Spac	e Requi	rement (	omputati	on	
Course	Duration in days (DD)	Annual % (AF)	Pupils p/Class (S)	Annual Input (AI)	Student AOB*	NSF/SF Student (NSF)	Reqmt Net Area**
MVOC	34	29	50	1450	198	19.5	5791.5
AOMC	15	38	40	1520	92	20.0	2760.0
TTOC VAC	24 - 26	3	3Ø 3Ø	21Ø 9Ø	21 1Ø	21.Ø 21.Ø	661.5 315.0
*Student	Avg on Bd	(AOB)	= <u>Durat</u> 250	ion (DD) (Classi	x Annua coom Days	al Input Per Ye	(AI) ar)
** Demire	d NSF Area	= AOB	X NSF X	1.5			
Required							
**Reduited	and a second						the second se
Kedaile							

1 ...



COMPONENT		2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DAT	A 27 Aug 87
3. INSTALLATION	AND LOCATION	
MARINE COF	APS BASE, CAMP LEJUENE, NC 28542	
4. PROJECT TITLE	5.1	PROJECT NUMBER
DRIVER TRA	INING SCHOOL	P-807
Round all School yea	fractions to the next highest whole num ar = 250 class days	ber
NSF = Sele type CDP = Cour AF = Num AI = Num	ect proper SF/student from Table 171-A a e of installation rse Data Processing Code per of times course is taught per year per of students trained annually AI = (A	ccording to F) x (S) 🗢
1.5 = A u inability class-room	tilization factor required to compensate to completely schedule classes and full n capacity.	for the
Number of	Classrooms Required:	
MVOC AOMC TTOC VRC Total:	4; 50 PN classes @ 1447.87 NSF = 5,791. 3; 40 PN classes @ 920 NSF = 2,760. 1; 30 PN class @ 661.5 SF = 661. 1; 30 PN class @ 315.0 SF = 315. 9 Classrooms = 9,528.	5 NSF Ø NSF 5 NSF Ø NSF Ø NSF
b. <u>M</u>	odified Academic space (Cat Code 171-10)	
D	efensive Drivers Course & Licensing Clas	S
	50 Students @ 30 NSF = 1,500 NSF	•
с. <u>Н</u>	ands-On Mock Up Spaces (Cat Code 171-20)	<b>.</b>
	In accordance with NAVFAC P-80:	
Plann Hands-on	ing Formula for Determining Floor Requir Mock-up space.	ements for
Formu	la: A = B (CD + E)	• • • • • • • • • • • • •
Defin	itions:	
A = A	rea of classroom in net SF.	•
B = N figure is students	umber of items of practice equipment rec obtained by dividing C into the average in each class session.	quired. This e number of
	2011년 1월 2011년 - 전화 2012년 1월 2	그 가장에는 그는 것이 없을까?

S/N 0102-LF 001-3915



1. COMPONENT	and the second	2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DA	TA 27 Aug 87
3. INSTALLATION	AND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NC 28542	
4. PROJECT TITLE	5.	PROJECT NUMBER
DRIVER TRAIN	NING SCHOOL	P-807
equipment.	uber of students assigned to each item	of practice
D = Net an item of	SF of floor area required for one stupractice equipment.	dent working
E = Net equipment. factors, in student wor clearance a duplicated.	SF of floor area occupied by one item Includes clearances and aisles. Huma Including safety, must be considered. I king areas (Item D) partially overlap areas, insure that the space requiremen	of practice n engineering n-cases where equipment ts are not
(1	) Motor Vehicle Operators Course:	
A A	= 25 [(2 x Ø) + *700] = 17,500 NSF Typical for 1 class.	
17	,500 x 4 classes = 70,000 NSF Total Red	quired.
*This figur area, aisle	e includes student working area, equips s and safety factor.	ment clearanc
(2	) Tractor Trailer Course & Vehicle Reco	overy Course:
A A	= [(30 x 0) + *2,584] = 2,584 NSF	
(3	) <u>Semi-Trailer Refueler Operators Cours</u>	<u>se:</u>
A A	= [(30 x 0) + *2,584] = 2,584 NSF	
(4	) <u>Tire Repair Shop/Class</u> :	
A A	= [(2 x 20) + 35] = 1,875 NSF	
This figure area, aisle	e includes student working area, equipm s and safety factor.	ent clearance
To	tal Hands-On Mock-Up space:	
	방법이 그 다른 가격적 동안을 걸려 잘 가지 않는 것이 집에서 한 것을 했다.	

S/N 0102-LF-001-3915



1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
MARINE CO	AND LOCATION RPS BASE, CAMP LEJEUNE, NC. 28542	
A. PROJECT TITLE DRIVER TR	AINING SCHOOL	OJECT NUMBER P-807
II. Suppo	rt Spaces:	
a. In	structor's Work Space	
12	Instructors @ 60 NSF = 720 NSF	
b. In	structors Lounge:	
45	Ø NSF Fixed Allowance	
c. St	udent Break Area:	
Maximum nu 100 PN	mber of students to break at a given time x 6 NSF = 600 NSF	e = 100 PN.
d. ti	brary:	
(	1) Reading Area	
	12 PN (Instructors @ 25 NSF) = 300 NS	F
(	2) Stack Area	
	(700 Volumes ÷ 100) x 6.6 NSF = 46 NS	F
(	3) Film/Video Tape Storage	
	(100 reels ÷ 50) x 9 NSF = 18 NSF	
(	4) Fiilm/Video Tape Viewing Room	
	100 NSF fixed allowances	
( therefore	5) Staff Area: This library will be for no additional space is required.	Instructor's
T	otal Library space: 464 NSF	





	the state of the second provided by the second state of the	2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DAT	A 27 Aug 87
MARINE CO	N AND LOCATION RPS BASE, CAMP LEJEUNE, NC 28542	
A PROJECT TIT	E 5.1	ROJECT NUMBER
DRIVER TR	AINING SCHOOL	P-807
e. ]	Administrative Space: (Cat Code 610-10):	
	Officer in Charge	Ø NSF
	Assistant Officer in Charge	Ø NSF
学生的 经保护	License Officer	ØNSF
	Clerical Positions = 2 @ 60 NSF120	O NSP
n da cui cui da cui Sectore de la cui de la cui Sectore de la cui de	File Area = 25 Legal @ 7 NSF17	5 NSF
	Total Administrative Space	0-NSF
f.	Training Aid Storage: 380 Students x 1.5 NSF570	Ø NSF
g	Other Support Spaces:	
Motor Vel	(1) Tool Rooms: One tool room required nicle Operators Course Class (4 total).	to support ead
947 9	4 Tool Rooms @ 216 NSF = 864 NSF	
	4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE):	
equipmen of equip assigned	4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert for the Driver's Training School. The ment indicates over 400 pieces of rolling.	ehicle organic School's table stock
equipmen of equip assigned	4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert for the Driver's Training School. The ment indicates over 400 pieces of rolling The school has indicated a requirement o	ehicle organic School's table stock f 3,200 NSF.
equipmen of equip assigned	4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert t for the Driver's Training School. The ment indicates over 400 pieces of rolling The school has indicated a requirement o (3) Dispatch Office: (171-20)	ehicle organic School's table stock f 3,200 NSF.
equipmen of equip assigned	4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert for the Driver's Training School. The ment indicates over 400 pieces of rolling The school has indicated a requirement o (3) Dispatch Office: (171-20) 15'x 15' = 225 NSF	ehicle organic School's table stock f 3,200 NSF.
equipmen of equip assigned required	<pre>4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert for the Driver's Training School. The ment indicates over 400 pieces of rolling The school has indicated a requirement o (3) Dispatch Office: (171-20) 15'x 15' = 225 NSF (4) Classified Storage: A classified s for storing student personnel records.</pre>	ehicle organic School's table stock f 3,200 NSF. torage area is
equipmen of equipm assigned required	<pre>4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert for the Driver's Training School. The ment indicates over 400 pieces of rolling The school has indicated a requirement o (3) Dispatch Office: (171-20) 15'x 15' = 225 NSF (4) Classified Storage: A classified s for storing student personnel records. 12' x 12' = 133 NSF</pre>	ehicle organic School's table stock f 3,200 NSF. torage area is
equipmen of equipm assigned	<pre>4 Tool Rooms @ 216 NSF = 864 NSF (2) Storage (OVE): Storage space is required to store all vert for the Driver's Training School. The ment indicates over 400 pieces of rolling The school has indicated a requirement o (3) Dispatch Office: (171-20) 15'x 15' = 225 NSF (4) Classified Storage: A classified s for storing student personnel records. 12' x 12' = 133 NSF Total Support Space = 4,433 NSF</pre>	ehicle organic School's table stock f 3,200 NSF. torage area is

DD 1 DEC 76 1391C



. COMPONENT	and the second		2. DA	TE
NAVY	FY 19 MILITARY CONST	RUCTION PROJECT D	ATA 27	Aug 87
3. INSTALLATION	ND LOCATION			
MARINE CORE	BASE, CAMP LEJEUNE, NC 28	8542		
. PROJECT TITLE		al and a second second	5. PROJECT NU	MBER
DRIVER TRAI	NING SCHOOL		P-807	
				The state of the s
III. Circ	lation and Service Ar	eas:		
(1) C	Lassroom Space:			
8	General Academic		8 NSF -	
	Modified Academic		ØNSE	
C .	Hands-On Mockup	*77,Ø4	3 NSF	
	Total Class Space:	95,46	ØNSF	
(2) 5	ipport Spaces:			
	Instructor's Work S	7	20 NSF	
Part of the second s	Instructor's Lounge	4	50 NSF	
	Studen Break Area	6	ØØ NSF	
đ	Library		64 NSF	
e	Administrative Spac	e9	70 NSF	
f	. Training Aid Storag	e5	70 NSF	
9	. Other Support Space	s4,4	33 NSF	Same -
		8,2	Ø7 NSF	-
(9,528 NSE	+ 1,500 NSF + 8,207 N	SF) 1.33 = 25,58	3 SF	
*Hands-On since circ	Nock-up class space wa lation and service ar	s not used in th eas had already	is calcu been con	lation sidered
Total Requ	irement: 77,043 + 25,	583 = 102,626 SF		
IV. Autom	otive Vehicle Maintena	nce Shop (Cat Co	de 214-2	Ø):
		0.0.		
In acc	ordance with NAVFAC P-	80:		
		and the second		
			and the second	
and the second				
			and the second se	





1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DA	2. DATE <b>ATA</b> 27 Aug *7
3. INSTALLATION A MARINE CORP.	BASE, CAMP LEJEUNE, NC 28542	
4. PROJECT TITLE DRIVER TRAIN	JING SCHOOL	5. project number P–807

		Edbt	and the second	FIOd.	kpr .
	S. F. C. S.	Cost	T/E	Space	Bay
Nomenclature	TAMCN	Code	Allow	Facto	rReqmt
Steam Cleaner, TRLR MTR4D	DØØ9Ø	0800	5	.016	.080
Lubrication and Servicing Unit	DØ91Ø	0800	3	.016	.048
Semitrailer, Refueler M970	D0215	0300	4	.023	.092
*LVS Front Unit MK48	D02Ø9	0300	20	.023	.460*
Semitrailer XM1000	D0225	0800	1	.016	.Ø16
Semitrailer, Stake M127	D026Ø	0800	12	.016	.192
Trailer, Cargo 1/4 Ton, M416	D048Ø	0800	26	.016	.416
Trailer, Cargo 1-1/2 Ton, M105	D0860	0.800	25	.016	.400
Trailer, Tank, Water 1-1/2 Ton	D088Ø	Ø8ØØ	2	.016	.Ø32
Container Hauler, MK14 (LVS)	D0876	0800	6	.016	.096
Wrecker MK15 (LVS)	D0877	0300	4	.023	.092
Fifth Wheel, MK16 (LVS	D0878	0300	4	.023	.092
Dropside Crane, MK17 (LVS)	D0879	1100	. 6	.020	
Truck Ambulance M718	D089Ø	0102	1	.015	.015
Truck Ambulance M1035 (HMMWV)	DIØØZ	Ø1Ø2	1	.015	.015
Truck cargo, 1 1/4 Ton, M10087					
(CUCV)	D1Ø16	0300	23	.023	.529
Truck, Cargo, 5T, 6x6, M923/M925/	DIGEO	azaa	120	Ø23	2 944
M813/M810	DIUGS	asaa	120	.023	a46
Truck, Shelter Carrier, M1028 (HMMWV)	DII05	ששכש		.025	.040
Truck, Tank, Fuel Servicing M49	D110	0300	4	.023	.092
Truck, Tractor, 5T, 6x6, M931	D1134	Ø3ØØ	14	.023	.280
Truck, Utility, Cargo M998		and the set			Sec. 18
(HMMWV)	D1158	Ø3ØØ	92	.023	2.116
Truck, Utility, Cargo, M151	D1160	0300	61	.023	1.403
Truck, Wrecker, M543	D121D	0300	1.	.023	.023
Truck, Wrecker, M936	D1212	0300	2	.023	.046
			447		9.188

Total number of Repair Bays (rounded) = 10





NAVY	FY 19 91 MILITARY CONSTRUCTION PROJEC	CT DATA	27 Aug 87
MARINE CORP	AND LOCATION PS BASE, CAMP LEJEUNE, NC 28542		
PROJECT TITLE	NING SCHOOL	5. PROJ	ect number )7
In order f the indica required.	or repair bays to be functional for ited vehicles and equipment, a 16'x	: all va 35' (typ	riations of ical) bay i
10 bay	75 x 560 SF = 5,600 SF		
*Repair sp A separate required.	pace for support of the LVS (MK-48) e drive-thru repair bay of 1,120 SF	was not (16' x	included. 70') is
Total Vehi	icle Maintenance Shop Requirement:		
10 Rep 1 Driv Admin	pair Bays (16' x 35') = 5,600 ve Thru (LVS) (16'x70') = 1,120 istrative and Indirect	SF	
Suppor (From Direc (From	table 214-20D for 10 bays) = 3,100 t Support table 214-20D for 10 bays) = 4,270	SF SF	
	14,090	SF	
Summary:			
Facil	ities:		
Acade Appli Dispa Vehic	mic Instruction Bldg (171-10) ed Instruction Facilities (171-20) tch Bldg. (171-20) le Maintenance Shop (214-20)	24,664 77,043 225 14,090	4 SF 3 SF 5 SF 7 SF 7 SF
Total	Requirement	116,022	2 SF
14. <u>Main</u>	tenance Facilities: Not appliable.		
15. <u>Mora</u> applicabl	le, Welfare, and Recreation Facilit	<u>ies:</u> No	ot
16. Relo	cation Facilities: Not applicable.		
17. <u>Stor</u>	age Facilities: Not applicable.		
	변경 물건물건가 많다. 말했다며 한 부분이 없는 것이다.		

2

S/N 0102-LF-001-3915



COMPONENT		2. DATE
NAVY	FY 19MILITARY CONSTRUCTION PROJECT DATA	27 Aug 8.7
MARINE C	CORPS BASE, CAMP LEJEUNE, NC 28542	
PROJECT TITLE	5. PRO	JECT NUMBER
DRIVER	TRAINING SCHOOL	?-807
.8. <u>Hazar</u> The pr	d Identification, Assessments and Analysi oposed facility will be a Motor Transport	School
acility. considered	The following potential hazardous condition during the design phase:	UIS WIII De
a. Ex	haust Fumes	4
b.⊥ Ba C. Ga	soline/Diesel fumes	••
مريد الم		
		in the second
		and any to be added the set
1		


## COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) IANTDIV NORVA 4-11010/6 (Pev.11/81)

DATE 29 Jul 87

MARINE CORPS	BASE CAMP LEJEUNE, NC 28542				IP NO
2 PROJECT TITLE DRIVER TRAIN	ING FACILITY FY 91				P-807
COG. SYMEOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
1. Built In	*Compressed Air System		Sys		
- Duripmenter	*Sprinkler System		Sys		
alles de la serie Serie de la serie de la ser Biología de la serie de la s	*Telephone, Intercom and Fire Alarm		Sys		
	*Ceiling Mounts for ITV Monitors		Sys		
	<pre>*Instructor Platforms for 6 Lecture Type classrooms (raised)</pre>		Ea		
	*Public Address Sys in the 4 Driver Training Shelters and Maintenance Shop		Sys		
	*Deep sinks/Lavatories throughout facility		Ea		
	*Exhaust Gas Removal System for all vehicles Trng Bays and Shop Maintenance Bays		Ea		
	*Tier arrangement for seat- ing in 6 classrooms		Sys		
	*Chalkboards, wall mounted		Ea		
	*Deluge Shower and Eye Wash CW ( for battery shop)		Ea		
	*Steam cleaning System for Maintenance Shop Wash rack w/50' hose		Sys		
	*High pressure water system for cleaning vehicles at all wash racks w/high pressure hose		Sys		
	*External Storage for Lubricants, hazardous material and paint		Ęa		
	*Overhead Crane (for LVS)		Ea		n Sana Sana Sana Sana Sana Sana
		Sector Sectors	4.000	and the second s	

Pege 1

6



•COLLATERAL EQUIPMENT REQUIR \_\_ENTS (Initial Outfitting) \_\_\_\_\_\_ LANTDIV NORVA 4-11010/6 (Rev.11/81)

DATE JUL 2 9 1587

## MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

DRIVER TRAIN	NING FACILITY				P. NO. P-807
COG. SYMBOL AND FED. STOCX NO. GR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	OF	UNIT	TOTAL
Barbarbar en en	*Lift,.floor hydraulic	Ea			
1. Built-In Equipment to be MCON Funded:	*Overhead Lube and Air Sys. for Maintenance Shop		Sys		
(cont'd)	Overhead Drop Light, HD for Maintenance Shop Bays		Ea		
	*Drainage system for Vehicles Lubricants, in floor for Maint Shop		Sys		
	Ventilation System (for battery room)				
	*Issue window for all tool rooms and dispatch office		Ea		
	Hand wash, Round w/foot control (for maint. shop)		Ea		
	*Lockers (small) and showers in lavatories of Maint Fac.		Ea		
	*Bins for handout material ll"xl2"x6" (20 classrooms) (fabricate)		Ea		
	*Front wall of classroom 1 & 2 should have a smooth dry white surface to be		Ea		
	used as projection screen				
Equipment with ass	sociated installation cost.				
				and a state of	
2. Expense Items:		1			
<b>491</b> Ø-ØØ-543-7772	Work bench	38	ea -	204.13	7.,757
7240-00-160-0440	Can, trash garbage	57	ea	16.70	952
<b>6645</b> -00-530-3342	clock, wall electric	25	ea	8.55	214
5120-00-293-1439	vice, machinist's bench	11	ea	58.00	638
3415-00-517-7754	Grinder, bench mounted	3	ea	80.12	240
4940-00-449-6689	Parts cleaner-degreaser	4	ea	441.00	1,764



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)

5.000

.....

13. 6. 62

DATEJUL 2 0 1987

2. PROJECT TITLE	ING FACILITY				P. NO. P-807
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT	UNIT	TOTAL
3920-01-113-0117	Truck, hand, 2 wheeled	1	ea	85.19	85
7125-00-285-2420	Cabinet, storage	- 8	ea	136.58	1,093
7125-00-269-8534	Cabinet, storage	4	ea	139.93	560
7110-00-740-8931	Desk, single ped	21	ea	262.00	5,502
7110-00-082-6226	Chair, straight w/o arms	228	ea	31.81	7,253
7110-00-143-0821	Office table, 45"x34"	.1	ea	164.00	164.
<b>7110-00-286-3798</b>	Cabinet, file, 5 dwr	14	ea	135.51	1,897
7520-00-285-5416	Waste paper basket	26	ea	2.40	62
<b>752</b> Ø-ØØ-292-9421	File, horizontal, desk	29	ea	13.97	405
<b>7195-</b> ØØ-912-9445	Bulletin Board (small)	4	ea -	-10.12	41
<b>719</b> 5-Ø1-Ø99-3444	Bulletin Board (large)	2	ea	361.25	723
7110-00-601-9822	Bookcase 32x13	20	ea	82.92	1,658
7110-00-177-4902	Office table 60"x30"	156	ea	125.00-	19,500
7125-00-297-3795	Rack, storage, drum	4	ea	508.17	2,033
4110-99-001-0984	Refrigerator	1	ea	329.00	329
7110-00-132-6554	Desk, typist	3	ea	173.00	519
7110-00-089-6791	Chair, rotary w/arms	24	ea	63.Ø3	1,513
4910-00-190-5235	Tire tube leak detector	2	ea	849.00	1,698
	(tank testing tire & tube) S/S B-14			•	+
<b>74</b> 30-00-461-9536	Typewriter, electric	4	ea	405.00	1,620
7420-00-989-1605	Adding Machine, electric	3	ea	151.20	454
7520-00-162-6178	Sharpener, pencil	11	ea	3.45	38
<b>62</b> 30-00-299-7771	Desk, lamp	21	ea	53.00	1,113
7195-00-262-6647	Coat rack	10	ea	21.45	215
7110-01-102-6173	besk, computer	1	ea	430.00	430-

Page

6

of

3



COLLATERAL EQUIPMENT RECUIREMENTS (Initial Outfitting) LANIDIV NORVA 4-11010/6 (Rev.11/81)

DATE Jul 87

10

....

. . .

PROJEC DRIVER TRAININ	NG FACILITY				P-80.
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
2. Expense Items:	(cont'd)				
7110-00-958-8044	Chair, rotary w/o arms	4	ea	57.72	231
7110-00-177-4901	Office, table 36"x24"	11	ea	90.00	990
7110-00-758-6146	Desk, double pedestal	4	ea	411.00	1,644
7110-01-157-8296	Couch, lounge	4	ea	330.00	1,320
6230-01-C00-0001	Lamp, table	-4	ea	37.80	- 151
7125-00-297-3393	Rack, Tire storage	4	ea	40.00	-160
7240-00-256-7700	Waste Can, flammable mat'l	5	ea	19.00	95
7125-01-C00-3832	Cabinet, flammable storage	2	ea	454.80	910
5120-00-234-1372	Vise, bench (small)	26	ea	9.00	234
<b>4910-00-204-2448</b>	Safety cage, tire repair (for 1400 x 20 tire)	25	ea	898.06	22,452
7195-00-000-0049	Lecturn w/wheels	12	ea	95.00	1,140
4910-00-675-1478	Mounter/demounter (tire machine auto changer) pneumatic tire, floor mounted, power capacity range 7-1 through 14-24, motor elect. 2HP capacitor type 60HZ, 230V, 12.6 amp requires 30 amp circuit breaker. Installation Installation req'd 11'dia. working space. Non-definitive spec/std data type 3, RN difference capacity differ- entiated by tire, type and size range, Part #931A	1	eą	3164.00	3,164
4210-00-720-1815 \$9C	Fire Extinguisher, fire 2-1/2 gal, water, s/s w/hanging bracket	12	ea	29.08	349
<b>4210-01-202-7858</b>	Extinguisher, fire, 15 1b cap. CO2, carbon monoxide, hand operated w/hanging bracket	10	ea	91.98	920

Sa antara

and the second

----



COLLATERAL EQUIPHENT REQUIREMENTS (Initial Outfitting) IANTDIV NORVA 4-11010/6 (Rev.11/81)

...

DATE JUL 2 9 1987

.

MARINE CORPS B	ASE, CAMP LEJEUNE, NC 28542			•••••••	
2. PROJECT TITLE DRIVER TRAININ	G FACILITY				P-807
FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL
2. Expense Items: (	cont'd)				
Brodhead-Garrett Co.	Shelving, closed 8 shelves per unit #461260 36x24x85 (102)	8	ea	267.00	2,136
	Add on units for above #461282 (Cl02A)	60	ea	245.00	14,700
McMaster-Carr POB 440 New Brunswick, NJ Ø8903	Charger, multiple charging station, 10 charging circuits can handle up to 10-12V or 20-6V batteries at once or any combination of sizes for charges up to 50 Amps. #7047K5, pg 1284, cat 90	2	ea	416.44	833
	Charging Stand #7239K1	- 2 -	ea	124.08	248
	Charging lead set (24" #10 leads) pg 1284, cat 90	20	ea	12.17	243
	Steel Shelving, industrial #4586T16, closed shelf unit	50	ea	112.69	5,635
	Shelf quick clips	100	ea	.22	22
OP	Draperies & hardware	8	ea	90.00	720
	Total Expense Items:				118,767

6



OLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) ANTDIV NORVA 4-11010/6 (Rev.11/81)

## DATE 29 Jul 87

MARINE CORPS	BASE, CAMP LEJEUNE, NC 20010				P-NO-807
DRIVER TRAIN	ING FACILITY		UNIT	INIT	TOTAL
COG. SYNBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	TITY	OF ISSUE	PRICE	COST
APA Equipment:	Not Applicable.				*
Training Eqpt:				145.00	1.015
730-LL-323-0232	Projector, 35mm slide		ea		1 0 41
730-11-000-3889	Projector, Overhead	7	ea	263.00	1,841
	plaver, videocasestte	7	ea	996.00	= 6,972
820-01-000-1049	in the second se	13	ea	475.00	5,395
820-01-000-1058	Monitor, IIV (ceiling			109.00	763
730-01-000-1098	Projector Stand		ea	10,100	
	Projector Stand	7	ea	165.00	1,155
0/20-01-000 1102	nado@tor_Stand	. 4	ea	108.00	1,512
6760-00-514-2384	Projector beans				19,433
	Total	ALC: MARKEN	10 1	A Charles	1 The Autor

. 6

6

1



	DATE PREPARED 27 AUG 87					SHEET 1	SHEET 1 OF 4		
IAVFAC 11013/7 (1-78) upersedes NAVDOCKS 2417 and 2417A						DENTIFICA	IDENTIFICATION NUMBER		
CAMP LEJEUNE, NC 28542	ESTIMATED BY W. L. BRANT			CATEGORY 171-1	O				
DRIVER TRAINING SCHOOL			STATUS OF DESIG	N 100%	FINAL X	Other (Specify) Proje		NOMBER	
ITEM DESCRIPTION		UNIT	MATER UNIT COST	TOTAL	UNIT COS	T TOTAL	UNIT COST	TOTAL	
FACILITIES:	$\frac{1}{2\pi e^{-1}} = \frac{1}{2} e^{-1}$	and and a second s	and and a second					1 608 500	
CADEMIC INSTRUCTION BUILDING	26,539	SF					64.00	1,090,000	
APPLIED INSTRUCTION FACILITIES:			aladiana ana ana ana ana ana ana ana ana ana				32.50	2.275,000	
PRE-ENGINEERED BLDG (4/70'X250')	70,000	SF					00.50	116 280	
COVERED SHELTERS (2/38'X68')	5,168	SF	1				22.50	050 400	
VEHICLE MAINTENANCE SHOP	:14,090	SF					61.00	14 400	
DISPATCH BLDG. (15'X15')	225	SF					64.00	14,400	
BUILT-IN EQUIPMENT:								280.000	
HVAC SYSTEM	1	LS		54-			2.00	200,00	
ENGINE EXHAUST SYSTEMS	76,720	SF					2.90	34 000	
HYDRAULIC VEH LIFTS (34,000 1b)		2 EA		and the state			17,000	19.00	
BRIDGE CRANE	1	ØTN					4,000	40,00	
COMPRESSED AIR SYSTEM	8,59	5 SF	l distant				2.10	18,05	
CENTRAL LUBE SYSTEM	8,59	1 LE	•				10,000	10,00	
WASTE OIL SYSTEM (UNDERGROUND)		1 LF	·	1.00			50,000	50,00	
FIRE ALARM & COMM	38,71	.5 SE	7				1.50	58,07	
		1 15	3					48,00	

1

SAN 0105-LF-010-1335

「日本語」の言い

2.17

14

18.4

-



IAVFAC 11013/7 (1-78)	COST E	STIM	ATE		DATE P 27	Aug 87	SHEET 2	OF 4
TIVITY AND LOCATION MARINE CORPS BASE			CONSTRUCTION	CONTRACT NO.	IDENTIFICAT	IDENTIFICATION NUMBER		
CAMP LEJEUNE, NC 28542				W. L.	BRANT		CATEGORY C	DODE NUMBER
DRIVER TRAINING SCHOOL			STATUS OF DESIG	SN 100%	FINAL X Other	(Specify) Proj	ect JOB ORDER	NUMBER
ITEM DESCRIPTION	QUANTI	TY	MATER	TOTAL		R COST		IG ESTIMATE
SUPPORTING FACILITIES:	NUMBER	UNIT				and an	. The second s	
SPECIAL CONSTRUCTION FEATURES		LS			$\sum_{i=1}^{n} e_{ij} \sum_{i=1}^{n} d_{ij} \frac{d_{ij}}{d_{ij}}$			100,00
SITE IMPROVEMENTS & CLEARING	25	AC						100,000
WASH APRONS (20/20'x40')	30	EA						225,000
(10/20'x60')								
STORAGE: POL, HAZARDOUS WASTE	. 800	SF					32.50	26,00
FLAMMABLE, PAINT, ETC.	$= -\frac{1}{2} \log \left( \frac{1}{2} \right)$				- Street and		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
DRIVE ON RAMP	1	EA					10,000	10,00
UNDERGROUND FUEL STORAGE (DIESEL)	10,000	GA					4.50	45,000
UNDERGROUND FUEL STORAGE (GAS)	2,000	GA	Red Car				4.50	9,000
EL PUMPS; TWIN OUTLET	, 5	EA	T.C.		and the second		5,000	25,000
PAVEMENT: REINFORCED CONCRETE	2,000	SY					31.00	62,00
PAVEMENT: BITUMINOUS PAVEMENT	51,312	SY					17.35	890,26
PAVEMENT: CRUSHED STONE	42,435	SY					7.60	322,50
FORDING PIT (100'LX15'WX4'D)	1	EA		-	n generation States		12,000	12,00
FENCING	4,000	LF		and the second	and the second second		16.20	64,80
	i finanti-	-					7	

1.1.

ATTOTA

1

2.00.00001100

5 677600176.0607

.

16092003

=

# U.S. Government Printing Offices 1952-505-106/6811 2-1



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST	STIM	ATE	e a station of	DATE P 27	Aug 87	SHEET	3 OF 4
ACTIVITY AND LOCATION MARINE CORPS BASE CAMP LETETINE NC 28542		* C	CONSTRUCTION ESTIMATED BY	CONTRACT NO.			IDENTIFICAT P-8 CATEGORY C	O 7
PROJECT TITLE		an a	W. 1	L. BRANT			171	-10
DRIVER TRAINING SCHOOL			STATUS OF DES	IGN 30% 100%	FINAL X Other	(Specify)_Proj	ject JOB ORDER N	UMBER
	QUANT	ITY	MATE	RIAL COST	LABO	R COST	ENGINEERIN	GESTIMATE
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
UTILITY CONNECTIONS;		a salarati	1. 18 18 1	n server have				
ELECTRICAL DISTRIBUTION	1,200	LF				() (i )	185.00	222,000
WATER DISTRIBUTION	1,000	LF					33.35	33,350
STEAM DISTRIBUTION	600	LF					124.15	74,490
SANITARY SEWER	1,000	LF					89.30	89,300
COMMUNICATIONS	1,200	LF					50.00	60,000
STORM DRAINAGE	2,400	LF					28.00	67,200
UTILITY IMPROVEMENTS:	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -							
STEAM AND CONDENSATE	800	LF					124.15	99,32
UPGRADE EXIST'G OH STEAM DIST	2,200	LF					172.00	378,40
SANITARY SEWER:			Carrie	an a			The set	
REPL. FILTER PUMPS AT M-136	3	EA	4				10,000	30,00
PROVIDE COMMINUTOR (15"DRUM)		EA					20,000	20,00
SEWER PIPING	1,200	LF					32.30	38,76
WATER:			$\label{eq:constraint} \left\{ \begin{array}{c} \mathbf{x}_{1} \\ \mathbf{x}_{2} \\ \mathbf{x}_{3} \\ \mathbf$					
ELEVATED STG TANK 250,000 GA	i i	GA					400,000	400,00
ALTITUDE VALVE AT S-TT-40 TANK	1	EA					10,000	10,00

were considered and the state of the state o

\$/#<sup>\*</sup> 0105-LF-010-1335 S/N 0105-LF-010-1335

with a product and the statutes an an

2

# U.S. Government Printing Office: 1982-505-198/6911 2-1



NAVFAC 11013/7 (1-78) Supersectes NAVDOCKS 2417 and 2417A	COST	ESTIM	IATE		DATE 27	PREPARED Aug 87	SHEET	4 OF 4		
ACTIVITY AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NC 28542			CONSTRUCTION ESTIMATED BY	CONTRACT NO.			IDENTIFI P-80 CATEGOR	CATION NUMBER		
PROJECT TITLE DRIVER TRAINING SCHOOL				W. L. BRANT STATUS OF DESIGN PED 30% 100% FINAL XX Other (Specify) Project JOB ORDER NUMBER						
ITEM DESCRIPTION	QUANT	ITY	MATE	RIAL COST	LAB	OR COST	ENGINEE	RING ESTIMATE		
PUMP CONTROLS TO BLDG 670	1	LS	- UNIT COST	IUIAL	UNITCOST	IUTAL	50,000	50,000		
WATER PIPING	600	LF	12				33.25	19,950		
SUBTOTAL			1.					9,220,220		
CONTINGENCY - 5%								461,011		
TOTAL CONTRACT COST		-						9,681,231		
S.I.O.H 5.5%		13.3				See Section		532,468		
TOTAL REQUEST								10,213,699		
TOTAL REQUEST (ROUNDED)								10,200,000		
			C		atta -					
								tore and		
				kar -	and a subject		and the second			
			and the second second			a Alan ang ang ang ang ang ang ang ang ang a				
			Santa Santa							
	1		California -				and the second			
	Trailer.	in su								

. S/N -0105-LF-010-1335

to and rates matches in the person with the second second and the

...

# U.S. Government Printing Office: 1982-605-106/6911 2-1

13. 6 4 19 1







ATE. 2 DATA INADEQU 16595 212 A N N NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9334 12760 3072 20632 4400 3601 3240	APR 87 ATE OTHE DEF OTHE DEF CODES A30E03 A30C30E03	ROMT APPRVL QUANTIT R DEFICIE 19754 SATISFACTION ACTION ID USE USE USE USE USE USE USE USE USE USE	DATE. TY QU ENT S 45 45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2262 -410HPORT 0 EF/SURP SCOPE NT 9333 9334 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
DATA INADEQU 16595 212 A N N NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9334 12760 3072 20632 4400 3601 3240	ATE OTHE DEF CODES A30E03 A30C	QUANTIN R DEFICIE 19754 SATISFACTION ACTION ID USE USE USE USE USE USE USE USE	TY QU ENT S 45 45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2262 -410HPORT 0 EF/SURP SCOPE NT 9333 9334 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
16595 212 A N N NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9334 12760 3072 20632 4400 3601 3240	I N Gm[HEi DEF CODES A30E03 A30C3	19754 SATISFACTION ACTION ID USE USE USE USE USE USE USE USE USE USE	45 D D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2262 -410HPORT 0 SCOPE NT 9333 9334 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
212 A N N NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9334 12760 3072 20632 4400 3601 3240	I N Gm[HEi DEF CODES A30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03	SATISFACTION ACTION ID USE USE USE USE USE USE USE USE USE USE	N OF D D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2262 -410HPORT 0 SCOPE NT 9333 9334 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
A N N NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	I N Gm[HEi DEF CODES A30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03	SATISFACTION ACTION ID USE USE USE USE USE USE USE USE USE USE	N OF D D Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	EF/SURP SCOPE NT 9333 9334 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	DEF CDDES A30E03 A30C30E03 A30C30B03 A30C30B03 A30C30E03 A30E03 D30A30E03 A30C30B04 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	SATISFACTION ACTION ID USE USE USE USE USE USE USE USE USE USE	N OF D D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEF/SURP SCOPE NT 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
NADEQTE 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	DEF CODES A30E03 A30C30E03 A30C30B03 A30C30B03 A30C30E03 A30E03 D30A30E03 A30C30B04 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	ACTION ID USE USE USE USE USE USE USE USE USE USE	D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SCOPE NT 9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601	A30E03 A30C30E03 A30C30B03 A30C30E03 A30C30E03 D30A30E03 A30C30B04 A30C30B04 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE USE USE USE	000000000000000000000000000000000000000	9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	A30C30E03 A30C30E03 A30C30E03 A30C30E03 D30A30E03 D30A30E03 A30C30E04 A30C30E04 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03	USE USE USE USE USE USE USE USE USE USE		9333 9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	A30C30B03 A30C30B03 A30C30E03 A30E03 D30A30E03 A30C30B04 A30C30B04 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE USE USE USE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9394 2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	A30C30B03 A30C30E03 A30E03 D30A30E03 A30C30B04 A30C30B04 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE USE USE USE	000000000000000000000000000000000000000	2000 6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
6118 3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	A30C30E03 A30E03 D30A30E03 A30C30E04 A30C32E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03	USE USE USE USE USE USE USE USE USE USE	000000000000000000000000000000000000000	3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
3392 12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	H30E03 D30A30E03 A30C30B04 A30C32B03 A30E03 A30C30B10 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE USE USE USE	0 0 0 0 0 0 0 0 0 0 0 0 0 0	12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
12908 3240 8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	A30C30E03 A30C32E03 A30C30E10 A30C30E10 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03 A30C30E03	USE USE USE USE USE USE USE USE USE USE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3240 8592 9333 6444 9394 12760 3072 20632 4400 3601
8592 9333 6444 9394 12760 3072 20632 4400 3601 3240	A30C32B03 A30E03 A30C30B10 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE USE USE USE	.00000000	8592-22. 9333 6444 9394 12760 3072 20632 4400 3601
9333 6444 9394 12760 3072 20632 4400 3601 3240	A30E03 A30C30B10 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE USE	00000000	9333 6444 9394 12760 3072 20632 4400 3601
6444 9394 12760 3072 20632 4400 3601	A30C30B10 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03	USE USE USE USE USE USE USE	00000	6444 9394 12760 3072 20632 4400 3601
9394 12760 3072 20632 4400 3601 3240	A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30	USE USE USE USE USE USE	00000	9394 12760 3072 20632 4400 3601
12760 3072 20632 4400 3601 3240	A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30	USE USE USE USE USE	00000	12760 3072 20632 4400 3601
3072 20632 4400 3601 3240	A30C30B03 A30C30B03 A30C30B03 A30C30B03 A30	USE USE USE USE	0 0 0	3072 20632 4400 3601
20632 4400 3601 3240	A30C30B03 A30C30B03 A30 A30	USE USE USE	0	20632 4400 3601
4400 3601 3240	A30C30B03 A30	USE USE	0	4400 3601
3601 3240	A30	USE	0	3601
3240		USE		
3240			1 T	9132
3240		USE	+	1600
2040	DSUASUEUS	USE	0	3240
3240	DSONSOEDS	USE	Ø	3240
3240	ABACBAEAB	USE	0	3240
3240	F04030E03	USE	Ø	3240
3240	E04A30E03	USE	0	3240
9333	A30C30B01	USE	0	9333
3240	D30A30E03	USE	0	3240
		CONSTR P80	8 +	26961 01
		CONSTR P80	9 +	47700 02
		CONSTR P81	0 +	34009 03
		CONSTR P80	/ + _	89483 04
OTAL PR	OPOSED ADE	QUATE ASSET	s = :	208885
COURSES	GIVEN, TH	E NUMBER OF	CLASS	SES OF
	OTAL PR	OTAL PROPOSED ADE	CONSTR P80 CONSTR P80 CONSTR P80 CONSTR P80 COURSES GIVEN, THE NUMBER OF	CONSTR P809 + CONSTR P810 + CONSTR P807 + CONSTR P807 + COTAL PROPOSED ADEQUATE ASSETS =



FACILITIES PLANNING DOCUMENT DATE: 04/24/87 TIME: 06.10.46 ACTIVITY UICM67001 NAMEMCB CAMP LEJEUNE NC SPEC AREAFA NAMEMONTFORD POINT NAMEMONTFORD POINT CATEGORY CODE17120 DESCRIPTIONAPPLIED INSTRUCTION BLDG CONTINUES
EACH. AND THE FREQUENCY OF EACH SESSION. PROVIDE AN EXPLANA- TION OF THE TRAINING AND DR MOCK-UP REQUIREMENTS.
FPD ACTION NOTES: 01 P808 FY86 PROPOSED MILCON WILL CONSTRUCT THE 1ST.INCR. OF A PLANNED 3 INCREMENT MECHANICS TRAINING BLDG. DE 26961 SE.
02 P809 FY 88 PROPOSED MILCON WILL CONSTRUCT THE 2ND. INCR. OF A PLANNED 3 INCREMENT MECHANICS TRAINING BLDG.
03 PB10 FY 90 PROPOSED MILCON WILL CONSTRUCT THE 3RD. INCR. OF A PLANNED 3 INCREMENT MECHANICS TRAINING BLDG. DF 34009 SF.
04 P807 FY 91 PROPOSED MILCON WILL CONSTRUCT 24.400SF OF ACADEMIC INSTRUCTION SPACE AND 89.483SF OF APPLIED INSTRUCTION SPACE FOR THE DRIVER TRAINING SCHOOL AT CAMP JOHNSON. ~R
END DATA FOR CATEGORY CODE 17120



FACILITES PLANNING CUMENT TIME: 05.56.49 ACTIVITY UICM67001 NAMEMCB CAMP LEJEUNE NC SPEC AREAFA NAMEMONTFORD POINT CATEGORY CODE17110 DESCRIPTIONACADEMIC INSTRUCTION BLDG ROMT DATE 23 APR 87 LATEST CHG DATE 23 APR 87 ROMT APPRVL DATE 29 SEP 86									
BASIC FACILITY ASSETS DATA QUANTITY QUANTITY FOR ROMT IM ODEQUATE SUBSTIND INADEQUATE OTHER DEFICIENT SURPLUS									
FHL ROM	- U		ADEGGATE	SEESTINE			145503		•
146602	: (Si	=)		4840	11037		140002		
	P	N		100	1524	4			1624
			0.11				SATISFACTION	OF	DEF/SURP
FACILITY			HIL ODEDUOTE	SUBSTNED	INODEDTE	DEF CODES	ACTION ID	D	SCOPE NT
FAC NU	UE			SUPSTAND	3240	A30C30E03	USE	0	3240
M123	N 8	0			3240	A30C30E03	USE	0	3240
M12/	NO	0	P	の一部である。 1997年の第二日の第二日の第二日の第二日の第二日の第二日の第二日の第二日の第二日の第二日	3240	A30C30E03	USE	0	3240
M124	NO	0	P		3240	A30C30E03	USE	0	3240
M125	NO	0	n		3240	A30C30E03	USE	0	3240
M126	NO	0	n		8592	A30E03B10	USE	0	8592
M4413	NO	0	<b>-</b>		3240	A30C30E04	USE	0	3240
M400	NO	0	P n		3240	A30C30B03	USE	0	3240
M446	NO	0	n		4449	A30C30B06	USE	0	4449
M3U7	N D	0	P	1777. July 184	- 4440	A30E03	USE	0	-4440
M201	ND	2	<b>D</b>		3240	A30C30804	USE	0	3240
M412	N G	0	<b>•</b>		4480	A30C30B26	USE	0	4480
M413	N D	0	D		8592	A30C30B03	USE	0	8592
MEDI	VQ	5	6 - Contraction of the		1458	A30E03	USE	0	1458
M307	NO	0	P 0		3240	A30C30B02	USE	0	3240
MJCJ	N O	6	r c		13010	A30C30E03	USE	0	13010
M104	VO	0	0		8276	A30C30B03	USE	0	8276
MO16	NA	n		이 아파 문제	3240	A30C30E03	USE	0	3240
MOTO	NA	0	0		2000	A30	USE	0	2000
MORE	VA	0	D	400	Rept. Real		USE	+	400
MODA	VA	0		400	Maria Maraka		USE	+	400
MORE	VA	0	D	400			USE	+	400
M210	YA	10	P	400			USE	+	400
M221	NA	10	P	The second second	3240	E04A30E03	USE	0	3240
M222	NR	10	P		3240	E04A30E03	USE	0	3240
M224	NE	10	P		3240	E04A30E03	USE	0	3240
M226	NE	10	P		3240	E04430E03	USE	0	3240
M227	NP	10	p		3240	A30E03E04	USE	0	3240
M22A	NE	10	p		3240	A30E03E04	USE	0	3240
M229	NE	10	P		3240	A30E03E04	USE	0	3240
M225	NE	30	P	3240		E04A30E03	USE	<b>+</b>	3240
: 000	100						CONSTR P807	+	24400 01
	•								
			an an deret		TOTAL PR	OPOSED ADE	QUATE ASSETS	=	29240

NOTES FOR CATEGORY CODE.. 17110 STD NOTES: PENDING CMC APPROVAL

FPD

CCN.. 17110 PAGE.. 01



FACILITIES PLANNING DOCUMENT DATE: 04/24/87 . ME: 05.56.49 TIVITY UIC .... M67001 NAME .... MCB CAMP LEJEUNE NC EC AREA.....FA NAME....MONTFORD POINT ATEGORY CODE ... 17110 DESCRIPTION ... ACADEMIC INSTRUCTION BLDG ONTINUES EN NOTES: PROVIDE A LIST OF THE COURSES GIVEN. THE NCI@HPORT @1. LU-LU. ILITIES PLANNIN Gm@HSiUMBER OF CLASSES OF EACH. THE NUMBER OF MEN IN EACH CLASS AND THE FREQUENCY OF EACH CLASS SESSION. PD ACTION NOTES: P807 FY 91 PROPOSED MILCON WILL CONSTRUCT 24,400SF DF ACADEMIC INSTRUCTION SPACE AND 89.483SF. OF APPLIED INSTRUCTION SPACE FOR THE DRIVER TRAINING SCHOOL AT CAMP JOHNSON. END DATA FOR CATEGORY CODE 17110

