

HEADQUARTERS
1st Engineer Battalion
1st Marine Division (Rein), FMF
FPO San Francisco, California 96602

3/LRG/crl
5750
Ser. No. 054-68
20 July 1968

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From: Commanding Officer
To: Commanding General, 1st Marine Division (Rein), FMF
Subj: Command Chronology for the period of 1 June to 30 June 1968

Ref: (a) MCO 5750.2
(b) FMFPac 5750.8
(c) DivO 5750.2B

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Encl: (1) 1st Engineer Battalion Chronology

✓TAB-A - SITREPS #153-68 - 182-68

1. In accordance with the provisions of references (a), (b), and (c), enclosure (1) is submitted herewith.

Declassified by the Director of
Marine Corps History and Museums
in accordance with the provisions
of GAO Rtr Ser 009D323/232095 of
21 Feb 1979

Signature

Date

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1ST ENGINEER BATTALION

COMMAND CHRONOLOGY

PART I

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PART I

ORGANIZATIONAL DATA1. DESIGNATION

1st Engineer Battalion

COMMANDER

Maj. S. A. JOHNSON

29Apr68 - Present

SUBORDINATE UNITS

H&S Company

1stLt. E. G. POULIN

18Feb68 - Present

Support Company

Capt. J. M. BUTLER, JR.

12Feb68 - Present

Company "A" (Rein)

Capt. L. J. BUCHSTEINER

30Apr68 - Present

Company "B" (-)(Rein)

Capt. J. S. HACK, JR.

18Feb68 - Present

Company "C" (Rein)

1stLt. J. T. MATTHEWS

1Jun68 - Present

2. LOCATION1st Engineer Battalion
minus Company "A" (Rein)
and Company "B" (-)(Rein)

21Apr67 - Present

Danang, RVN

Support Company (-)(Rein)

21Apr67 - Present

Danang, RVN

1st Platoon, Company "B"
5th Engineer Battalion

28Feb68 - Present

Danang, RVN

Company "A" (Rein)

30Mar68 - Present

Phu Bai, RVN

Company "B" (-)(Rein)

16Jan68 - Present

Phu Bai, RVN

Company "C" (Rein)

21Apr67 - Present

Danang, RVN

3. STAFF OFFICERS

Executive Officer

Maj. J. C. CHAMBLISS

30Apr68 - Present

Sergeant Major

SgtMaj. W. S. TROPE

16Apr68 - 7Jun68

SgtMaj. A. J. RICCIARDI

8Jun68 - Present

S-1/Adjutant

1stLt. R. J. FORBELL

1Dec67 - Present

S-2

1stLt. R. C. CAPECI

10Apr68 - Present

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S-3	Capt. L. R. CORNWELL	1Jun68 - Present
S-4	Capt. E. A. HARRIS, JR.	30Apr68 - Present
S-5	GySgt. E. W. PATTON	26May68 - Present
Supply Officer	1stLt. G. L. FADER	1Jan68 - Present
Communications Officer	1stLt. E. G. POULIN	12Jul67 - Present
Medical Officer	Lt. T. M. LOECKER	1Aug67 - Present
M. T. Officer	1stLt. B. M. HALLIMAN	2Apr68 - Present
M. T. Maintenance Officer	CWO-4 C. C. BUCEK	10Apr68 - Present
Engineer Equipment Officer	WO-1 D. T. CARRAWAY	6Sep67 - Present
Utilities Officer	1stLt. J. H. WILLER	10Oct67 - Present
Construction Officer	WO-1 K. E. DOUGAN	29May68 - Present

4. AVERAGE MONTHLY STRENGTH

<u>OFF</u>	<u>USMC</u>	<u>ENL</u>	<u>OFF</u>	<u>USN</u>	<u>ENL</u>
34		711	2		10

PART IINARRATIVE SUMMARY

During the month of June 1968, the 1st Engineer Battalion (-) was committed to combat engineer support missions while simultaneously accomplishing 107 Division and Battalion Work Orders and other engineer projects, maintaining assigned mine detection and clearing sweeps, and being heavily committed to land clearing operations.

Combat engineer companies, reinforced by elements of Headquarters and Service Company and Engineer Support Company, provided close combat engineer support to Operations: HOUSTON, ALLENBROOK, MAMELUKE THRUST, and SCOTLAND II. Engineer casualties on these operations were three KIA and 18 WIA.

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During the reporting period 2,190,600 meters of road in the 1st Marine Division TAOR were swept for mines with 24 mines/boobytraps being located and destroyed.

Company "A" (Rein) remained OPCON to the 1st Marine Regiment. In addition to supporting Operation SCOTLAND II, Company "A" (Rein) conducted three mine detection and clearing sweeps in the Khe Sanh area on a daily basis. A total of 270,000 meters of road were swept during the reporting period. Engineer support in the Khe Sanh area included disposal of enemy and dud ordnance. During the latter part of June 1968, engineers began assisting in the destruction of the Khe Sanh combat base by burying all structures, damaged equipment, and destruction of all fortifications. Rear elements of Company "A" (Rein) in the Gia Le area continued to provide support to Task Force X-Ray units.

Company "B" (-)(Rein) continued to operate in direct support of Task Force X-Ray while supporting Operation HOUSTON, Phase II and maintaining assigned mine detection and clearing sweeps. Additional engineer effort during the reporting period included cantonment repairs, constructing defensive positions at combat bases, disposal of significant quantities of enemy and dud ordnance, installing mine fields at bridge sites, and distribution of bunker oil on roads and landing zones.

Company "C" (Rein) remained heavily committed in the Danang TAOR. In addition to maintaining seven assigned mine detection and clearing sweeps, Company "C" supported the 7th Marines on Operations ALLENBROOK and MAMELUKE THRUST. Combat engineer support was also provided by Company "C" to Project WOODPECKER. Effort during the reporting period included bunker construction, construction of helicopter landing pads using M8A1 matting, providing combat engineer support for convoys, and cantonment repairs.

Additional close engineer support was provided by the 1st Platoon, "B" Company, 5th Engineer Battalion (joined to Engineer Support Company of this battalion) to the 1st Battalion, 27th Marines on Operation ALLENBROOK.

The 1st Platoon, Company "A", 3d Engineer Battalion (OPCON to this battalion since 190830H May 68) continued to provide combat engineer support to the 1st and 3d Battalions, 26th Marines on Operation ALLENBROOK and MAMELUKE THRUST. In addition to operational support provided by this platoon in support of the 26th Marines, special mine sweeps were also conducted during the reporting period.

During the reporting period, the 1st Engineer Battalion continued land clearing operations (Project WOODPECKER) in the 27th Marines TAOR until 5 June 1968. On 5 June 1968, Project WOODPECKER became OPCON to the 27th Marines. Land clearing efforts along the east bank of the Song Yen River were terminated and the team displaced to the Go Noi Island area in support of Operation ALLENBROOK.

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Effort during the reporting period included 5,682 manhours, 830 equipment hours and expenditure of six line charges. A total of 836,000 square meters of land area were cleared along the east bank of the Song Yen River and 659,000 square meters of land area were cleared in the Go Noi Island area. Enemy and U. S. ordnance discovered and destroyed included three 500 pound bombs, 16 250 pound bombs, five boobytrapped 155mm rounds, one eight inch round, five 105mm rounds, 15 82mm rounds, one dud 90mm round, 14 B-40 rockets, one LAAW, one M26 grenade, nine chicom grenades, six RPG rounds, 27 M79 rounds, 150 rounds of small arms ammunition and two 50 pound box mines. In addition, the following items were discovered and processed through S-2 channels: one chinese automatic rifle, one French submachine gun, three bolt action rifles, seven AK44 rifles, six bamboo rocket launchers, and three NVA uniforms.

During the month of June 1968, the following enemy fortifications were located and destroyed by Project WOODPECKER: 12,500 meters of trenchline, 1,450 feet of barbed wire fence, 301 assorted size and type bunkers, 368 spider holes, 12 tunnels and four caves.

Visitors to the 1st Engineer Battalion who received briefings by the Battalion Commander and demonstrations of mine sweep procedures and Viet Cong mine and boobytrap techniques were Col. K. R. BLAND, USMC, III MAF Engineer Officer on 7 June 1968 and Major KENDALL of the Australian Army on 18 June 1968.

PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

1. Personnel

a. Gains and losses:	<u>USMC</u>		<u>USN</u>	
	<u>OFF</u>	<u>ENL</u>	<u>OFF</u>	<u>ENL</u>
Dropped:	1	92	0	3
Joined:	3	57	0	0
b. <u>KIA</u>	<u>WIA</u>			
3	23			

2. Intelligence

a. Road and Bridge Reconnaissance

(1) During the month of June 1968, procedures whereby mine sweep teams submit daily reports of road, bridge, and culvert conditions for routes being swept were continued.

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(2) A reconnaissance was conducted of the access road to the 1st Battalion, 7th Marines command post on 6 June 1968. Results of the reconnaissance indicated road upgrading was required and a work order was requested and approved to perform the necessary work.

(3) On 9 June 1968, three officers of the 1st Engineer Battalion conducted an aerial reconnaissance along Route 33 and visited the 3d Battalion, 1st Marines field command post. A ground reconnaissance was then conducted of a bridge located at coordinates AT842855.

b. Weather. The weather was characterized as being hot and humid with minimal precipitation. Clear skies were highly predominant.

c. Mine Warfare

(1) Rewards Program

a. 12 June 1968 - Payment of 300\$ VN to Vietnamese boy for three 60mm rounds.

b. 17 June 1968 - Payment of 100\$ VN to Vietnamese civilian for one 105mm dud round.

d. Enemy Ordnance

(1) In addition to the previously cited ordnance destroyed on Project WOODPECKER two 60 pound box mines, two 50 pound box mines, six 45 pound box mines, one 30 pound box mine, 10 five pound box mines, one cast mine, one 8" howitzer round, two 155mm rounds, three 105mm rounds, nine 82mm mortar rounds, two 90mm rounds, three 60mm mortar rounds, three M79 rounds, three chicom grenades, four M26 grenades, and six roadblocks were located and destroyed on routine sweeps in the 1st Marine Division TAOR.

(2) Total Enemy Ordnance destroyed:

<u>60 lb box mine</u>	<u>50 lb box mine</u>	<u>45 lb box mine</u>	<u>30 lb box mine</u>		
two	two	six	one		
<u>5 lb box mine</u>	<u>82mm round</u>	<u>chicom grenade</u>	<u>B-40 rocket</u>	<u>RPG round</u>	<u>cast mine</u>
10	nine	23	15	two	one

(3) Total U. S. Ordnance destroyed:

<u>8" how round</u>	<u>125mm round</u>	<u>155mm round</u>	<u>105mm round</u>	<u>90mm round</u>
two	one	five	10	two

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<u>60mm round</u>	<u>M26 grenade</u>	<u>M33 grenade</u>	<u>M79 round</u>	<u>LAAW</u>
three	seven	one	three	one

3. Training

a. Demolitions, Land Mine Warfare and Viet Cong Boobytrap School was attended by 69 engineers, 75 infantry personnel, 39 CAG personnel, six amphibious tractor personnel, 10 personnel of FLC, and two personnel of the 1st Tank Battalion.

b. During the month of June 1968, one day classes were held for 87 Marines from the 1st Marine Division School's NCO Leadership Course on demolitions and Viet Cong mines and boobytraps.

c. Special one day classes in mine warfare, boobytraps, and field fortifications were conducted for 140 personnel of the III MAF CAG School.

d. In compliance with 1st Mar Div Msg dtd 210647ZJun68, a one day class was conducted on bridge demolitions for 20 personnel of the 3d Battalion, 1st Marines and 65 personnel of the 1st Tank Battalion.

e. During the month of June 1968, five one hour classes were held for the Officers and Staff NCOs of this battalion covering the following subjects:

- (1) Red Ball Requisitions
- (2) COFRAM Munitions
- (3) V. C. Mines and Boobytraps
- (4) Investigations
- (5) Reconnaissance Inserts

f. During the month of June 1968, Motor Transport held three classes on Vietnamese Road Signs, Accident Report Forms, and Preventative Maintenance of the M151 Jeep for a total of four hours and 16 personnel attending.

g. During the month of June 1968, the Construction Platoon held three classes on Laying Concrete Forms, Use and Maintenance of Chain Saws, and Preparing a Bill of Materials for a total of three hours with 31 personnel attending.

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a. Operation HOUSTON

1 March 1968 -
Still in Progress

Company "B" is providing one platoon (-) (Rein) for close combat engineer support of Operation HOUSTON, a combined operation which originally included 1st Battalion 327th Infantry and the 2d Battalion, 502d Infantry. The 1st Battalion, 5th Marines are still engaged in this operation which commenced 1 March 1968 and is still in progress. Engineer casualties to date include one KIA and eight WIA.

b. Operation SCOTLAND II

1 June 1968 -
Still in Progress

Company "A" is providing three officers and 49 engineers for close combat engineer support of Operation SCOTLAND II, a search and destroy operation consisting of the 1st Marine Regiment (-) and the 4th Marines. Operation SCOTLAND II commenced on 1 June 1968. Engineer casualties to date include six WIA.

c. Operation ALLENBROOK

4 May 1968 -
Still in Progress

Company "C" is providing two engineers for close combat engineer support of the 2d Battalion, 27th Marines on Operation ALLENBROOK. Project WOODPECKER became OPCON to 27th Marines for land clearing operations in support of Operation ALLENBROOK on 5 June 1968. Operation ALLENBROOK commenced on 4 May 1968 and is still in progress. Engineer casualties to date include two KIA and 11 WIA.

d. Operation MANELUKE THRUST

19 May 1968 -
Still in Progress

Company "A", 3d Engineer Battalion is providing 11 engineers in support of the 3d Battalion, 26th Marines and 11 engineers in support of the 1st Battalion, 26th Marines. Company "C", 1st Engineer Battalion is providing four engineers in support of the 3d Battalion, 5th Marines. Engineer casualties to date include one WIA.

5. Water Supply. During the month of June 1968, the 1st Engineer Battalion operated 14 water points which produced 7,966,000 gallons of potable water and 1,000,000 gallons of shower water for units throughout the 1st and 3d Marine Divisions. AORS.

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a. The following 69 Division originated Work Orders were completed during the month of June 1968:

(1) Cleared 100 meter wide path from Hill 200 to OP condor and constructed 12 bunkers for Headquarters Battalion, 1st Marine Division. 1,251 manhours, 490 equipment hours, 12, 576 BF of lumber, 192 pieces of culvert, 12 rolls of roofing paper and 350 pounds of nails were required to complete the work order.

(2) Constructed and installed a four drum grease trap for 27th Marines. 180 manhours, 14 equipment hours, four 55 gallon drums, 190 feet of pipe, one bag of cement and 10 pounds of welding rods were required to complete the work order.

(3) Oiled the access roads within the 1/7 CP. 16 manhours, eight equipment hours, and 4,500 gallons of bunker oil were required to complete the work order.

(4) Rescreened windows in the 3/7 messhall on Hill 37. Evaluated request to construct wall inside messhall. Wall will be constructed when material becomes available. 32 manhours, 12 rolls of screen and 100 BF of lumber were required to complete the work order.

(5) Picked up 23 bunkers from 3d NCB. 124 manhours, and 52 equipment hours were required to complete the work order.

(6) Oiled roads within the 1st Reconnaissance Battalion CP. Six manhours, three equipment hours, and 1,500 gallons of bunker oil were required to complete the work order.

(7) Constructed two tables for the 1st Marine Division Engineer Officer. Three manhours, 11 BF of lumber and one sheet of plywood were required to complete the work order.

(8) Constructed one 20' x 32' BAS bunker for the 7th Communications Battalion. 212 manhours, 4,550 BF of lumber, 2,400 sandbags, three rolls of roofing paper and 110 pounds of nails were required to complete the work order.

(9) Stabilized a 30' x 40' area as laundry unit site for 3/27. 250 manhours, and 250 equipment hours were required to complete the work order.

(10) Stabilized road in the 3/27 CP. Three manhours, and three equipment hours were required to complete the work order.

(11) Fabricated six 2" adapters for use with 500 gallon tanks for 1st Marine Division Engineer Officer. Fabricated by 1st FSR on WO #269-68 at a cost of \$90.00 Two manhours were required to complete the work order.

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(12) Constructed 26 mount hut boxes for 7th Communications Battalion. 36 manhours, 724 BF of lumber and 30 pounds of nails were required to complete the work order.

(13) Conducted a survey to determine cost, materials and manhours required to install protective barrier around buildings for 3/7 on Hill 37. Results were submitted to DEO. Four manhours were required to complete the work order.

(14) Constructed an ammunition bunker for 3/11 on Hill 55. 240 manhours, seven equipment hours, 4,448 BF of lumber, three rolls of roofing paper and 110 pounds of nails were required to complete the work order.

(15) Evaluated request for minefield to determine (1) extent of field, (2) boundaries, (3) feasibility of clearing and (4) fencing and marking area. Results of evaluation submitted to DEO. Five manhours and one equipment hour were required to complete the work order.

(16) Constructed one 20' x 32' x 8' ammunition bunker for 1/27. 350 manhours, seven equipment hours, 11,331 BF of lumber, six rolls of roofing paper, and 350 pounds of nails were required to complete the work order.

(17) Provided timbers for the construction of a ramp for LVT's and provided five loads of fill for the 3d Amphibious Tractor Battalion. Eight manhours, six equipment hours, and 936 BF of lumber were required to complete the work order.

(18) Delivered three 20' x 32' x 8' complete bunkers to Task Force X-Ray. 42 manhours and 34 equipment hours were required to complete the work order.

(19) Constructed a maintenance pad for the 11th Motor Transport Battalion. 108 manhours, one equipment hour and five bundles of M8A1 matting were required to complete the work order.

(20) Reinforced deck at the Headquarters Battalion Enlisted Club. 35 manhours, 600 BF of lumber and 15 pounds of nails were required to complete the work order.

(21) Constructed one standard locker box for 1st Marine Division Engineer Officer. 16 manhours, two sheets of plywood, and two pounds of nails were required to complete the work order.

(22) Constructed one 20' x 32' x 8' COC bunker for 11th Motor Transport Battalion. 672 manhours, 4,550 BF of lumber, three rolls of roofing paper and 110 pounds of nails were required to complete the work order.

(23) Constructed a cap around the well at the 2/27 CP. 108 manhours, 52 equipment hours, 3,072 BF of lumber and 60 pounds of nails were required to complete the work order.

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(24) Provided assistance and materials to rehabilitate buildings on Hill 10 for 1/7. Materials furnished by 1/7. 12 manhours were required to complete the work order.

(25) Repaired damage to structures in 3/7 cantonment as result of enemy action. Eight manhours, 72 BF of lumber and one roll of screen were required to complete the work order.

(26) Oiled roads for Mortar Battery position, 3/11 on Hill 55. 28 manhours, 14 equipment hours, and 4,500 gallons of bunker oil were required to complete the work order.

(27) Repaired roof of the 1st Tank Battalion COC bunker. 84 manhours, 2,688 BF of lumber and 50 pounds of nails were required to complete the work order.

(28) Constructed a 100' x 100' helopad for the 1st Tank Battalion. 198 manhours, 18 equipment hours, and 37 bundles of M8A1 matting were required to complete the work order.

(29) Repaired roof of the Communications bunker at 7th Marines Headquarters at Hill 55. 64 manhours, 484 BF of lumber and 30 pounds of nails were required to complete the work order.

(30) Constructed one bunker for "F" Battery, 2/11 on Hill 55. 354 manhours, 4,550 BF of lumber, three rolls of roofing paper and 110 pounds of nails were required to complete the work order.

(31) Constructed and installed a staff for the Commanding General's personal flag. 31 manhours, and 16 BF of lumber were required to complete the work order.

(32) Provided sand to Headquarters Battalion, 1st Marine Division. 24 manhours, 24 equipment hours, and 100 cubic yards of sand were required to complete the work order.

(33) Constructed two ammunition bunkers for the 1st Hospital Company, 1st Marine Division. 82 manhours, six equipment hours, 3,129 BF of lumber, one roll of roofing paper and 50 pounds of nails were required to complete the work order.

(34) Constructed one ammunition bunker for 2/27. 120 manhours, 4,448 BF of lumber, three rolls of roofing paper, 200 sandbags and 110 pounds of nails were required to complete the work order.

(35) Installed monitor lights for generator in 1st Marine Division Engineers office. 15 manhours, four houseracks, and 150 feet of wire were required to complete the work order.

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(36) Corrected electrical discrepancies and rewired 1st Marine Division CP. 255 manhours, two sheets of plywood, 800' of wire, 12 fuses, 28 bolts, and two switchboxes were required to complete the work order.

(37) Wired "G" Sections, 1st Marine Division CP to utilize back-up generator. 303 manhours, 100 equipment hours, two line poles, 500' of wire, two sheets of plywood, four switchboxes, and 40 fuses were required to complete the work order.

(38) Constructed deck in the 11th Motor Transport Battalion COC bunker. 28 manhours, and 884 BF of lumber were required to complete the work order.

(39) Cut and provided materials to Division Schools. 18 manhours, and 460 BF of lumber were required to complete the work order.

(40) Constructed two 10' x 24' x 8' bunkers for 1/7. 432 manhours, 10,200 BF of lumber, 200 pounds of nails, six rolls of roofing paper and one drum of tar were required to complete the work order.

(41) Furnished 22 pieces of 3" x 12" x 12' lumber to 7th Marines. Two manhours, and 792 BF of lumber were required to complete the work order.

(42) Replaced present helopad at 7th Communications Battalion with 73 bundles of M8A1 matting. 270 manhours, 20 equipment hours, and 73 bundles of M8A1 matting were required to complete the work order.

(43) Constructed helopad for 3/7 on Hill 65. 240 manhours, 15 equipment hours, and 37 bundles of M8A1 matting were required to complete the work order.

(44) Constructed one demolitions storage bunker for 1/27. 108 manhours, 2,137 BF of lumber, one roll of roofing paper and 50 pounds of nails were required to complete the work order.

(45) Upgraded and oiled Route 13C from junction of access road to 3d Amphibious Tractor Battalion CP. 2,320 manhours, 1,560 equipment hours, 9,900 cubic yards of fill and 85,000 gallons of bunker oil were required to complete the work order.

(46) Constructed one ammunition bunker for the 1st Tank Battalion. 80 manhours, 7,500 BF of lumber, 110 pounds of nails and three rolls of roofing paper were required to complete the work order.

(47) Graded and oiled road leading to MASS-3. Six manhours, three equipment hours, and 3,000 gallons of bunker oil were required to complete the work order.

(48) Constructed six bunkers for "E" Battery, 2/13 at the 2/27 CP. 682 manhours and material provided by 3d NCR were required to complete the work order.

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(49) Constructed generator shed with hard stand for 7th Marines. 128 manhours, 2,800 BF of lumber, five rolls of roofing paper and 100 bags of cement were required to complete the work order.

(50) Fabricated weatherproof shelter for switchboxes located at the 1st Marine Division CP. 48 manhours, three sheets of plywood and five pounds of nails were required to complete the work order.

(51) Laid tile in the S/S office at the 1st Marine Division CP. Materials provided by DEO and 75 manhours were required to complete the work order.

(52) Constructed cabinet and overlay rack for the 1st Marine Division COC bunker. 42 manhours, 10 sheets of plywood and 10 pounds of nails were required to complete the work order.

(53) Issued 16' of 12" culvert to Public Works for use in the 1st Marine Division CP area. One manhour and 10 pieces of 12" culvert were required to complete the work order.

(54) Issued material to 11th Motor Transport Battalion to convert messhall into BAS. One manhour, five sheets of tin and 948 BF of lumber were required to complete the work order.

(55) Repaired screens, walls and roof on the 1/7 messhall on Hill 10. 453 manhours, 12 rolls of screen, and 203 BF of lumber were required to complete the work order.

(56) Constructed 10 sets of dual discharge hoses for use with 250 gallon water tanks for the 1st Marine Division Engineer Officer. 13 manhours, 56 assorted plumbing fixtures and 30 feet of hose were required to complete the work order.

(57) Graded shoulder of road from Route 3 to Commanding General's quarters, 1st Marine Division. Eight equipment hours and eight manhours were required to complete the work order.

(58) Assisted 7th Communications Battalion in clearing infiltration area near Hill 34. 32 manhours, eight equipment hours, 20 FAE devices, 40 pounds of C-4, 24 blasting caps, and one shape charge were required to complete the work order.

(59) Assemble and stage 40' sections of 36" culvert in designated quantities for 1st Marine Division units. 630 manhours, and 720 feet of 36" culvert were required to complete the work order.

(60) Constructed one standard locker box for Headquarters Battalion, 1st Marine Division. 16 manhours, two sheets of plywood, and five pounds of nails were required to complete the work order.

(61) Oiled road and area adjacent to the 7th Marines LSA. 128 manhours, 32 equipment hours, and 19,500 gallons of bunker oil were required to complete the work order.

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(62) Constructed one 20' x 32' x 8' bunker for the 26th Marines on Hill 55. 324 manhours, 11,320 BF of lumber, six rolls of roofing paper and 350 pounds of nails were required to complete the work order.

(63) Constructed stand to support fuel tank at the 11th Motor Transport Battalion messhall. 24 manhours, 198 BF of lumber, and five pounds of nails were required to complete the work order.

(64) Constructed one generator shed and repaired one generator shed at the 3/7 CP. 88 manhours, 2,832 BF of lumber, 50 pounds of nails and one roll of roofing paper were required to complete the work order.

(65) Constructed 50 ground target devices for 1st Marine Division Schools. 70 manhours, one sheet of plywood, and 20 BF of lumber were required to complete the work order.

(66) Issued material to Headquarters Battalion, 1st Marine Division. One manhour and 106 BF of lumber were required to complete the work order.

(67) Picked up and delivered 55 bundles of M8A1 matting to Cao Doi. 80 manhours, and 40 equipment hours were required to complete the work order.

(68) Constructed one BAS bunker at the LSA, Hill 10 for 1/7. 265 manhours, 12,337 BF of lumber, six rolls of roofing paper and 350 pounds of nails were required to complete the work order.

(69) Connected reefer to the electrical system, improved water point and improved road leading to the 3/5 cantonment. 25 manhours, 20 equipment hours, 60 feet of pipe, and 100 cubic yards of fill were required to complete the work order.

The following 31 Battalion originated Work Orders were completed during the month of June 1968:

(1) Cleared foliage between 1st Marine Division Schools area and the 7th Engineer Rock Crusher. Six manhours, and six equipment hours were required to complete the work order.

(2) Constructed one head for Support Company, 1st Engineer Battalion. 16 manhours, 376 BF of lumber, one roll of screen, and nine pounds of nails were required to complete the work order.

(3) Made modifications to the 1st Engineer Battalion S-5 storage building. Five manhours, and 56 BF of lumber were required to complete the work order.

(4) Graded and oiled the LZ at 2/7. 16 manhours, eight equipment hours, and 3,850 gallons of waste oil were required to complete the work order.

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(5) Constructed a dam at the Dai La Water Plant, 1st Engineer Battalion. 375 manhours, 30 bags of cement, and two cubic yards of gravel were required to complete the work order.

(6) Renovated the 1st Engineer Battalion Officer's Club. 598 man-hours, 11,387 BF of lumber, 44 sheets of plywood, six rolls of roofing paper, one roll of screen, and 70 pounds of nails were required to complete the work order.

(7) Constructed three doors and four window shutters for the Hoa Phu Clinic in conjunction with S-5. 75 manhours, 32 BF of lumber and two sheets of plywood were required to complete the work order.

(8) Constructed one file cabinet for the 1st Engineer Battalion S-5. 16 manhours, and two sheets of plywood were required to complete the work order.

(9) Gathered and staged materials for the Phu Gia Water Point. 20 manhours, eight equipment hours, 10 line charge containers, 373 feet of pipe, and 25 assorted plumbing fixtures were required to complete the work order.

(10) Provided bunker and culvert materials to "G" Battery, 3/11 for construction of overhead cover for defensive trenches. 32 manhours, 32 equipment hours, 12 pieces of culvert, 4,820 BF of lumber, 150 pounds of nails and 110 pieces of matting were required to complete the work order.

(11) Corrected wiring to provide for outlets in Support Company, 1st Engineer Battalion SEA huts. 72 manhours, 221 feet of wire, three circuit breakers and 21 assorted electrical fixtures were required to complete the work order.

(12) Fabricated muffler for 60 KW generator for the 1st Engineer Battalion. Four manhours, four equipment hours, two feet of pipe, and two 55 gallon drums were required to complete the work order.

(13) Provided six urinoils for Headquarters, 7th Marine Regiment. Three manhours and three equipment hours were required to complete the work order.

(14) Delivered 20 truck loads of sand to the III MAF Brig. 24 manhours, 24 equipment hours, and 100 cubic yards of sand were required to complete the work order.

(15) Set a telephone pole for the 11th Motor Transport Battalion. Seven manhours, two equipment hours and materials provided by 11th Motor Transport Battalion were required to complete the work order.

(16) Fabricated two knife rests for the 1st Engineer Battalion check point. Four manhours, three equipment hours, and 200 feet of pipe were required to complete the work order.

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(17) Constructed a headwall for culvert within the 2/27 CP. 30 man-hours, two sheets of plywood, 16 BF of lumber and six bags of cement were required to complete the work order.

(18) Wired the COC bunker at hill 55 for the 26th Marines. 28 man-hours, 200 feet of wire, eight fluorescent fixtures and 24 various electrical fixtures were required to complete the work order.

(19) Installed new steam line in the 1st Engineer Battalion messhall. 83 manhours, 56 feet of pipe, two bags of cement, 42 feet of wire, three junction boxes and 13 assorted plumbing fixtures were required to complete the work order.

(20) Constructed 64 duckboards for all water points within the 1st Marine Division TAOR. 64 manhours, 2,816 BF of lumber and 40 pounds of nails were required to complete the work order.

(21) Installed water tank for the 1st Engineer Battalion BAS. 21 manhours, 65 feet of pipe and 11 assorted plumbing fixtures were required to complete the work order.

(22) Constructed two concrete posts at the entrance of the 1st Engineer Bn. M.T. Lot. Six manhours, and two bags of cement were required to complete the work order.

(23) Constructed a cabinet for the 1st Engineer Battalion Drafting and Surveying Section. 35 manhours, two sheets of plywood, and five pounds of nails were required to complete the work order.

(24) Rehabilitated the culvert at the entrance to the 1st Engineer Battalion Motor Transport Lot. 42 manhours, and three bags of cement were required to complete the work order.

(25) Improved the ventilation in the 1st Engineer Battalion BAS bunker and Communications bunker. 42 manhours, 126 BF of lumber, and 30 pounds of nails were required to complete the work order.

(26) Constructed a double apron barbed wire fence for the 1st Engineer Battalion. 48 manhours, 75 engineer stakes, 150 30" stakes and 3,600 meters of barbed wire were required to complete the work order.

(27) Corrected drainage problem at "E" Battery, 2/13 at the 2/27 CP. Eight manhours, and four equipment hours were required to complete the work order.

(28) Repaired the door of the 1st Engineer Battalion S & C files office. 13 manhours, one sheet of plywood, four BF of lumber, and two pounds of nails were required to complete the work order.

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(29) Constructed five doors for the 2/27 messhall. 26 manhours, 120 BF of lumber, three sheets of plywood, and 20 pounds of nails were required to complete the work order.

(30) Constructed shelves in the 2/27 Post Exchange. 20 manhours, 202 BF of lumber and four pounds of nails were required to complete the work order.

(31) Installed a deck in the BAS bunker for "E" Battery, 2/13. 48 manhours, 1,973 BF of lumber and 40 pounds of nails were required to complete the work order.

c. The following seven Task Force X-Ray originated Work Orders were completed by Companies "A" and "B" during the month of June 1968:

(1) Assembled and staged seven sections of 48" culvert for use as manholes and sewer lines at the 3d Marine Division Commanding General's mess and quarters. 32 manhours, and 294 lineal feet of 48" culvert were required to complete the work order.

(2) Constructed one 40 foot long work bench for the 1st Motor Transport Battalion. 168 manhours, 1,238 BF of lumber and 70 pounds of nails were required to complete the work order.

(3) Graded and fenced material storage lot for "B" Company, 1st Engineer Battalion. 260 manhours, 60 equipment hours, 66 engineer stakes, and eight rolls of fence wire were required to complete the work order.

(4) Picked up and delivered two loads of gravel to 1st Tank Battalion. Eight manhours, and eight equipment hours were required to complete the work order.

(5) Issued three heads to "A" Company, 1st Engineer Battalion. Two manhours and four equipment hours were required to complete the work order.

(6) Provided grader support to "B" Company, 9th Engineer Battalion to assist on 1/5 messhall project. 19 manhours and 19 equipment hours were required to complete the work order.

(7) Constructed water tower for Phu Bai Officer's Club. 60 manhours, 478 BF of lumber and seven pounds of nails were required to complete the work order.

7. Civil Affairs/Civic Action

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a. During the month of June 1968 self-help projects were emphasized in the civil affairs program conducted by this battalion. Self-help projects accomplished during the month of June 1968 included: four one-room hamlet schools constructed, repaired rocket damage on the Hoa Phu Village school, and commenced work on the permanent medical clinic at Hoa Phu Village.

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b. No recent enemy activities were reported during the month of June 1968 other than NVA propaganda directed at the Popular Forces located at Hoa Phu Village.

8. Religious Affairs

a. Catholic and Protestant Services were held at the Battalion Chapel each Sunday at 0815 and 1000 respectively.

b. Five Protestant Services were held in the 1st Engineer Battalion Chapel during the month of June 1968. Five services were also held at the 11th Motor Transport Battalion and two for the Security Platoon.

c. Memorial services were held for three members of this battalion during the month of June 1968.

d. The Chaplain of the 1st Engineer Battalion sponsored a cultural tour through the city of Danang with 18 personnel participating.

9. Research and Development

During the month of June 1968, 20 experimental Fuel Air Explosive devices (FAE) were expended in clearing approximately 3,000 square meters of underbrush for the 7th Communications Battalion along the Song Cau Do River. Of the 20 devices employed, one was defective and was destroyed by utilizing a counter-charge, 12 devices had a high order detonation and seven had low order detonations.

Results of this experimentation/land clearing indicated that Fuel Air Explosive Devices are suitable for clearing small underbrush. It was noted that the device would strip approximately 90 percent of the foliage from bamboo trees up to a height of about 15 feet within a radius of 16 meters. Bamboo stalks were not destroyed/cleared by the device.

Tail A (Added from Oct 68 c/chem) C "C" A/A Rpt, NAME LUKE THRUST
Tail B (" " Aug 68 c/chem) C "A" A/A Rpt, NAME LUKE THRUST.
Tail C: SITREP. (Filed Sep)

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COMPANY "C"
1st Engineer Battalion
1st Marine Division (Rein), FMF
APO San Francisco, California 96602

PFT/mrg
3480
30 June 1968

CONFIDENTIAL

From: Commanding Officer
To: Commanding Officer, 1st Battalion, 7th Marines
Via: Commanding Officer, 1st Engineer Battalion

Subj: Combat After Action Report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:500,000 series 17011

1. Code Name. MATHELUKE THRUST
2. Dates of Operation. 181300H May 68 to 121600H Jun 68.
3. Location. Dia Loc Province, RVN.
4. Command and Control Headquarters.
1st Bn, 7th Mar--Lt Col FAGGEN
1st Plt, "C" Co, 1st Engr Bn--SSgt FRAZIER
5. Task Organization. N/A.
6. Supporting Forces. Special Forces, Cidg.
7. Intelligence. ISUNS 1/7.
8. Mission. Four 2-man engineer teams were provided by 1st Plt, "C" Co, 1st Engr Bn to provide close Combat Engineer support as required.
9. Concept of operation. The engineer teams performed basic engineer work such as destruction of enemy emplacements, enemy ordnance, and the construction and clearing of landing zones for resupply and MedEvac.
10. Execution. At 1300 18 May 1968, the 1st Bn, 7th Mar departed hill 10 by trucks, and at 1400 18 May 68 arrived at hill 65. At 1500 18 May 1968 1st Bn 7th Mar started sweeping to hill 52.
AT 185456 19 May 1968 destroyed two 15 lb shape charges that were found along road.
AT 185555 destroyed one tunnel 2 1/2 x 10' with 6 lb of C-4.
AT 185556 21 May 68 destroyed 6 Chicom grenades, 40 rounds AK47 ammo with 1 lb of TNT.
AT 184556 destroyed one 250 lb. bomb on 22 May 68 using 10 lbs. of C-4.

Tab A

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3480

AT 148558 23May68 destroyed 8 60mm rounds using 1 lb of C-4.
 AT 149588 24May68 destroyed one cave 3x10' and two Chicom grenades and one improvised AP mine using 6 lbs of C-4.
 AT 156588 25May68 destroyed 2 dud 105mm rounds with 4 lbs of C-4.
 AT 133553 26May68 destroyed two tunnels 4x15' using 12 lbs of C-4.
 AT 157589 26May68 destroyed 3 82mm mortar rounds and 1 Chicom grenades with 1 lb of C-4.
 AT 122572 cleared one LZ 50x50 meters using 60 lbs of C-4 and 20 lbs of TNT on 27May68.
 AT 123573 29May68 cleared one LZ 30x40 meters for resupply using 60 lbs of C-4.
 AT 206576 1Jun68 destroyed one 250 lb bomb and one cave 4x10' using 20 lbs of C-4.
 AT 209579 cleared LZ 50x75 meters on 2Jun68 using 50 lbs of C-4.
 AT 200603 cleared LZ 75x40 meters on 5Jun68 using 75 lbs of TNT, 3 15 lb shaped charges, 20 lbs of C-4 and three chainsaws.
 AT 200603 6Jun68 improved LZ with one 40 lb shaped charge, 25 lbs TNT, 20 lbs C-4, 3 15 lb shape charges and 200 ft of det cord.
 AT 200603 7Jun68 improved LZ with 40 lbs of C-4 and 2 chainsaws. Also destroyed 25 Chicom grenades.
 AT 200603 8Jun68 destroyed 10 Chicom grenades with 1/2 lb of C-4.
 AT 200609 8Jun68 made LZ 50x59 meters and destroyed 2 Chicom grenades using 40 lbs of C-4.
 AT 200603 8Jun68 destroyed 10 Chicom grenades, 250 rounds machine gun ammo and 2 15 lb shaped charges.
 9Jun68 through 12Jun68 no engineer assistance required.
 On 12Jun68 at 1600 returned to CP of 1/7 as Operation secured.

11. Results. The engineers cleared 6 LZ's destroyed 3 tunnels, destroyed 44 Chicom grenades, two 250 lb bombs, 4 shaped charges, two 105mm dud, using a total of 100 lbs of C-4, 100 lbs of TNT, 150 non-electric caps and 100 ft of time fuze. There was one Engineer casualty WIA and 5 routine MedEvacs with dysentery.

12. Administrative Remarks. N/A.

13. Special Equipment and Techniques. Five Chain saws.

14. Commander's Analysis. N/A.

15. Recommendations. None.

J. T. Matthews Jr.
J. T. MATTHEWS JR.

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ENGINEER SUPPORT COMPANY

1st Engineer Battalion

1st Marine Division (Rein),

FPO, San Francisco, California 96602

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MJF/pnb

3480

30Jun68

From: Commanding Officer

To: Commanding Officer, 1st Engineer Battalion (Attn: G-3)

Subj: Combat After Action Report on Operation ALLEN BROOK

Ref: (a) DivO 3480.1

(b) Map Vietnam 1:50,000 series L7014

1. Code Name. ALLEN BROOK (Operation)

2. Dates of Operation. 170900HMay68 to 230900HJun68.

3. Location. Go Noi Island.

4. Command Control Headquarters. 27th Marines; CO, 3/27 CO, 1st Plt, Engr Spt Co, 1st Engr Bn, NCOIC, SGT M. A. CASTANEDA

5. Task Organization: N/A.

6. Supporting Forces: 1 squad from 1st Plt, EngrSptCo, 1stEngrBn, attached in the following manner: 1 demo team attached to each of two line companies, 1 demo team attached to 3/27 command group, and 1 demo team attached to 1/27 command group.

7. Intelligence: S-2, 27th Marines.

8. Mission: Close Engineer Support.

9. Concept of Operation: Demolition.

10. Execution: 3/27 left their CP 171000HMay68 on a search and destroy sweep of Ga Noi Island. They were relieved in the field by 1/27 who in turn were relieved by 2/27 on 241000HJun68.

11. The following is a list of demolition work that took place:

18May68:	5 RPG Rockets	1 lbs. C-4
	1 Bunker	4 lbs. C-4
	5 Chi Com Grenades	$\frac{1}{2}$ lbs. C-4
	2 lbs NVA Clothes	$\frac{1}{2}$ lbs. C-4

19May68:	(4) 81mm HE Rounds	$\frac{1}{2}$ lbs. C-4
	(5) 81mm Illumination Rounds	1 lbs. C-4
	(2) 60mm HE Rounds	$\frac{1}{2}$ lbs. C-4
	2 LAWS, (3) M-26 Grenades, (5) M-79	2 lbs. C-4
	duds, 2 NVA gas masks, 8 Chi Com Grenades	

20May68:	(1) 500 lbs. Bomb	$\frac{1}{2}$ lbs. C-4
	(1) 250 lbs. Bomb	$\frac{1}{2}$ lbs. C-4
	(3) 3.5 Rockets	1 lbs. C-4
	(5) 81mm HE Rounds, 3 LAWS,	2 lbs. C-4
	(5) 60mm HE Rounds, 500 AK-47 rounds	

21May68:	(3) 250 lbs. Bombs	1 1/2 lbs. C-4
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	(1) 155 Round	$\frac{1}{2}$ lbs. C-4
	(1) 105 Round	$\frac{1}{2}$ lbs. C-4
22May68:	6 Chi Com Grenades, 20 NVA Blasting Caps, 3 NVA Gas Masks, (1) B-4 Rocket	2 lbs. C-4
23May68:	(1) 250 lbs. Bomb 2 Chi Com Grenades, (8) M-26 Grenades, 2 LAWS, (3) B-4 Rockets and Launcher	$\frac{1}{2}$ lbs. C-4 2 lbs. C-4
24May68:	2 Chi Coms (1) 250 lbs. Bomb 1 Small Bunker	$\frac{1}{2}$ lbs. C-4 $\frac{1}{2}$ lbs. C-4 2 lbs. C-4
25May68:	(2) 250 lbs. Bombs	1 lbs. C-4
26May68:	3,000 AK-47 Rounds, (8) AK-47 Magazines, 5 NVA Packs, 3 NVA Gas Masks, 20 rifle grenades, 6 satchel charges	5 lbs. C-4
28May68:	(3) 90mm tank rounds	$\frac{1}{2}$ lbs. C-4
1Jun68:	(18) 60mm HE rounds (2) 250 lbs. bombs (2) bunkers (4) LAWS	2 lbs. C-4 2 lbs. C-4 5 lbs. C-4 2 lbs. C-4
2Jun68:	(5) M-26 grenades (5) 155 rounds	1 lbs. C-4 $2\frac{1}{2}$ lbs. C-4
3Jun68:	9 Chi Com grenades (7) B-40 rockets (4) B-40 rockets	1 lbs. C-4 1 lbs. C-4 1 lbs. C-4
4Jun68:	(6) 81mm Illumination rounds (4) 81mm WP, (16) 60mm HE rounds	2 lbs. C-4
5Jun68:	4 Caves 6 Bunkers (2) 155 rounds	10 lbs. C-4 12 lbs. C-4 1 lbs. C-4
7Jun68:	(3) 3.5 rounds (1) M-26 Grenade	$\frac{1}{2}$ lbs. C-4 $\frac{1}{2}$ lbs. C-4
10Jun68:	3 Bunkers	$7\frac{1}{2}$ lbs. C-4
11Jun68:	1 Tunnel	$2\frac{1}{2}$ lbs. C-4
12Jun68:	(2) 155 Rounds	1 lbs. C-4
13Jun68:	(2) 105 Rounds (1) 250 lbs. Bomb (1) 82mm Mortar Rounds	1 lbs. C-4 1 lbs. C-4

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15Jun68:	2 LAWS, (1) 3.5 Round (1) 105 Round	1 lbs. C-4 $\frac{1}{2}$ lbs. C-4
16Jun68:	(1) M-79 Round	$\frac{1}{2}$ lbs. C-4
17Jun68:	(21) M-79 Rounds, (1) 81mm HE, (1) 81mm Illumination Round, (13) M-26 Grenades, (2) Illumination Hand Grenades, (1) 60mm Mortar Round	4 lbs. C-4
18Jun68:	2 Punji Pits (Not Bobbytrapped)	$1\frac{1}{2}$ lbs. C-4
20Jun68:	(2) M-79 duds (1) 105 dud	$\frac{1}{2}$ lbs. C-4 $\frac{1}{2}$ lbs. C-4

12. Administrative Remarks: None.
13. Special Equipment and Techniques: None.
14. Commander Analysis: No unusual engineer problems were encountered.
15. Recommendations: None.

Martin J. Forrest III
MARTIN J. FORREST III
By direction

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