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HEADQUARTERS
1ST MARINE DIVISION, FMF

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

3/LRC/crl
5750
Ser. No. 068-68
20 August 1968

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From: Commanding Officer
To: Commanding General, 1st Marine Division (Rein), FMF

Subj: Command Chronology for the period of 1 July to 31 July 1968

Ref: (a) MC0 5750.2
(b) FMFPac 5750.8
(c) DivO 5750.2B

Encl: ✓(1) 1st Engineer Battalion Chronology

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

D. H. Hildebrand
D. H. HILDEBRAND

Approved by the Director of
Corps History and Museums
in accordance with the provisions
of CNO ltr Ser 009D523/232095 of
Feb 1979
Signature Date *2/10/79*

1ST ENGR BN
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1ST ENGR BN

CMD CHRON

JULY 1968

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1ST ENGINEER BATTALION

COMMAND CHRONOLOGY

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PART I

ORGANIZATIONAL DATA1. DESIGNATION

COMMANDER

Maj. S. A. JOHNSON

29Apr68 - 31Jul68

SUBORDINATE UNITS1st Lt. E. G. POULIN
1st Lt. L. E. RICE18Feb68 - 9Jul68
10Jul68 - PresentH&S Company **UNCLASSIFIED**

Support Company

Capt. J. M. BUTLER

12Feb68 - Present

Company "A" (Rein)

Capt. L. J. BUCHSTEINER

30Apr68 - Present

Company "B" (-)(Rein)

Capt. J. S. HACK, JR.
1st Lt. J. W. FORMAN18Feb68 - 3Jul68
4Jul68 - Present

Company "C" (Rein)

1st Lt. 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

1st Platoon, Company "A"
3d Engineer Battalion

21Jul68 - Present

Phu Bai, RVN

3. STAFF OFFICERS

Executive Officer

Maj. J. C. CHAMBLISS

30Apr68 - Present

Sergeant Major

SgtMaj. A. J. RICCIARDI

0Jan68 - Present

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S-1/Adjutant	1stLt. R. J. FORBELL	1Dec67 - Present
S-2	1stLt. R. C. CAPECI SSgt. A. G. VALENZUELA	10Apr68 - 26Jul68 27Jul68 - Present
S-3	Capt. L. R. CORNWELL	1Jun68 - Present
S-4	Capt. E. A. HARRIS, JR. 1stLt. E. A. CLARK	30Apr68 - 11Jul68 12Jul68 - Present
S-5	GySgt E. W. PATTON 1stLt. P. D. BUCY	26May68 - 10Jul68 11Jul68 - Present
Supply Officer	1stLt. G. L. FADER	1Jan68 - Present
Communications Officer	1stLt. E. G. POULIN 1stLt. P. D. BUCY	12Jul67 - 7Jul68 8Jul68 - 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>
31		739		2	13

PART IINARRATIVE SUMMARY

During the month of July 1968, the 1st Engineer Battalion (-) was committed to combat engineer support missions while simultaneously accomplishing 96 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, NAPOLEON SALINE, and SCOTLAND II. Engineer casualties on these operations were two KIA and 15 WIA.

During the reporting period, 1,922,400 meters of road in the 1st Marine Division TAOR were swept for mines with 23 mines/bobbytraps being located and destroyed. A total of 17 rough rider convoys were supported by combat engineers of this battalion during the reporting period.

Company "A" (Rein) remained OPCON to the 1st Marine Regiment. On 6 July 1968, Operation SCOTLAND II was terminated and on 7 July 1968, Operation NAPOLEON SALINE commenced. Three mine detection and clearing sweeps were conducted in the Khe Sanh area on a daily basis in support of Operation SCOTLAND II until 6 July 1968. The most significant accomplishment of Company "A" during the reporting period was the engineer support provided during the closure of the Khe Sanh combat base. Engineer effort in the evacuation/destruction of the Khe Sanh Combat Base commenced on 18 June 1968 and was known as Project CHARLIE of Operation SCOTLAND II. The following structures were destroyed or buried during Project CHARLIE: 95 bunkers, two SATS matting, 2,770 meters of trenchline, and 39 fighting positions. Vehicles and equipment that were covered or destroyed (due to damage sustained during enemy artillery strikes) were: 13 various type trucks, seven jeeps, two rock crushers, one personnel carrier, one light aircraft, one C-137 aircraft, three helicopters, one fork lift, one tank, three 4KW generators, one 100KW generator, two engine blocks, and one semi-trailer. In order to destroy the above items; 2,166 pounds of TNT and 470 equipment hours (equipment consisted of: three TD-18 tractors, two Fimco tractors, and two TD-20 tractors) were required. Ordnance destroyed in and around the Khe Sanh base during Project CHARLIE includes: 77 3.5" rounds, 16 LAAWS, 67 M79 rounds, 1,800 rounds of small arms ammunition, two 81mm mortar rounds, 866 60mm rounds, 160 90mm rounds, 57 M26 grenades, nine CS grenades, three claymore mines, and 24 illumination flares.

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. Engineer effort during the reporting period included cantonment repairs, improvement of defensive positions, road and landing zone oiling, land clearing, installation of mine-fields at bridge sites, and destruction of significant amounts of dud and enemy ordnance. On 25 July 1968, Company "B" secured from Operation HOUSTON and began preparing to displace from Phu Bai to An Hoa (coordinates AT875470) in support of the 5th Marine Regiment.

Company "C" (Rein) remained heavily committed in the Danang TAOR. In addition to maintaining seven assigned mine detection and clearing sweeps and providing support for special sweeps, Company "C" provided engineer support for Operations ALLENBROOK, MAMELUKE THRUST, and Project WOODPECKER.

Engineer effort during the reporting period included bunker construction, cantonment repairs, construction of water towers and platforms, and providing engineer support for rough rider convoys.

Combat 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. Engineer effort during the reporting period included three daily mine detection and clearing sweeps and cantonment repairs.

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 Battalion, 26th Marines on Operations MAMELUKE THRUST and HOUSTON, Phase II. In addition to operational support provided by this platoon in support of the 26th Marines, two daily mine detection and clearing sweeps were assumed on 25 July 1968.

During the reporting period, the 1st Engineer Battalion continued land clearing operations (Project WOODPECKER) in the Go Noi Island area in support of Operation ALLENBROOK. On 30 July 1968, a second land clearing team was activated to conduct land clearing operations in suspected rocket launching areas. The land clearing effort in the Go Noi Island area became Project WOODPECKER I and the second land clearing team, operating along the east bank of the Song Yen river, became Project WOODPECKER II. Land clearing effort during the reporting period included 8,923 manhours, 1,047 equipment hours and expenditure of six line charges. A total of 1,971,350 square meters of land were cleared in the Go Noi Island area during the reporting period. Enemy and U.S. dud ordnance discovered and destroyed included one 500 pound bomb, eight 250 pound bombs, one 175mm round, two 155mm rounds, five 105mm rounds, 73 M79 rounds, two 122mm rockets, 19 2.75" rockets, six B40 rockets, nine B47 rockets, one 81mm round, one 60mm round, one claymore mine, nine M26 grenades, 280 chicom grenades, nine rocket boosters, 2,700 rounds of small arms ammunition, one 20 pound box mine, four 10 pound box mines, and one 15 pound box mine. In addition, 13 assorted rifles and machine guns were turned into intelligence channels.

Visitors to the 1st Engineer Battalion who received briefings by the Battalion Commander and demonstrations of mine sweep procedures and Viet Cong mines and boobytraps were Commanding General, 1st Marine Division on 5 July 1968, and Deputy Commander of U.S. Forces in Vietnam on 19 July 1968.

The 1st Engineer Battalion cantonment was officially named Camp Don M. PERDUE on 4 July 1968 in honor of Sergeant Don M. PERDUE who was killed in action on 25 May 1967 while serving as a member of the 1st Engineer Battalion. Guests at the ceremony included the Commanding General, and Assistant Division Commander, 1st Marine Division. The Battalion Commander rendered appropriate remarks regarding Sergeant PERDUE and dedicated the camp in his honor. The Division Band rendered appropriate music for the ceremony.

On 26 July 1968 a mine study seminar was conducted at the battalion conference room. Seventeen persons representing all Marine units in the Danang TAOR that conduct mine detection and clearing sweeps attended. During the conference, the causes for increased mine incidents were discussed as were possible solutions in reducing mine incidents. The significant results of the seminar were publicized to units throughout the 1st Marine Division.

Major S. A. JOHNSON was relieved as Commanding Officer, 1st Engineer Battalion on 31 July 1968 by Lieutenant Colonel D. H. HILDEBRAND. Guests at the change of command ceremony included the Commanding General and Assistant Division Commander, 1st Marine Division. The Division Band rendered appropriate music and an engineer equipment pass in review highlighted the change of command ceremony.

PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

1. Personnel

a. Gains and losses:	<u>USMC</u>	<u>USN</u>
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	<u>OFF</u>	<u>ENL</u>	<u>OFF</u>	<u>ENL</u>
Dropped:	9	82	2	1
Joined:	5	82	0	2

b. <u>KIA</u>	<u>WIA</u>
2	15

2. Intelligence

a. Road and Bridge Reconnaissance

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

b. Weather

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

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c. Mine Warfare

Rewards Program

- a. 13 July 1968 - Payment of 200\$ VN to a Vietnamese boy for one M79 round.
- b. 17 July 1968 - Payment of 400\$ VN to two boys for two B-40 rockets.
- c. 17 July 1968 - Payment of 450\$ VN to a Vietnamese National for one M26 grenade, one 155mm round and three claymore mines.
- d. Total ordnance destroyed

(1) The following ordnance was located and destroyed during the month of July 1968 by engineers of Project WOODPECKER: one 500 pound bomb, eight 250 pound bombs, one 175mm round, two 155mm rounds, five 105mm rounds, two 122mm rockets, 19 2.75" rockets, six B-40 rockets, nine B-47 rockets, one 81mm round, one 60mm round, one 20 pound box mine, one 15 pound box mine, four 10 pound box mines, 73 M79 rounds, one claymore mine, nine M26 grenades, 280 chicom grenades, nine rocket boosters, and 2,700 rounds of small arms ammunition.

(2) Two 60 pound box mines, four 50 pound rock mines, eight 40 pound box mines, two 35 pound rock mines, three 30 pound box mines, three 20 pound box mines, one 15 pound box mine, one 155mm round, three boobytrapped 105mm rounds, three 60mm rounds, two M33 grenades, two boobytrapped M26 grenades, one chicom grenade, and one boobytrapped roadblock were located and destroyed on routine sweeps in the 1st Marine Division TAOR.

(3) Total Enemy Ordnance destroyed

<u>60 lb box mines</u>	<u>50 lb rock mines</u>	<u>40 lb box mines</u>	<u>35 lb rock mines</u>
three	four	eight	two
<u>30 lb box mines</u>	<u>20 lb box mines</u>	<u>15 lb box mines</u>	<u>10 lb box mines</u>
three	four	two	four
<u>anti-personnel mines</u>	<u>B-47 rockets</u>	<u>B-40 rockets</u>	<u>40mm rockets</u>
15	six	359	two
<u>RPG rounds</u>	<u>rocket boosters</u>	<u>122mm rocket warheads</u>	<u>2.75 rockets</u>
67	nine	34	19

bangalore torpedoes TNT (lbs) 82mm rounds chicom grenades

three	1,528	748	685
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small arms ammunition (rounds) roadblock (boobytrapped)

2,700	one
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(4) Total U.S. Ordnance destroyed

500 lb bombs 250 lb bombs 175mm round 155mm rounds 105mm rounds

four	12	one	four	14
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81mm rounds 3.5 rockets M79 rounds LAAWS M33 grenades M26 grenades

120	23	147	14	two	113
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concussion grenades CS grenades 60mm rounds claymore mines

eight	mine	1,274	18
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2. Training

a. Demolitions, Land Mine Warfare and Viet Cong Boobytrap School was attended by 108 Marine engineers, 142 infantry personnel, and 35 personnel from 2d CAG, III MAF.

b. During the month of July 1968, two one day classes were held for 110 personnel from the 1st Marine Division NCO Leadership School.

c. Special one day classes on demolitions, and V.C. mines and boobytraps were held for 590 personnel of the 3d Battalion, 26th Marines, 67 personnel of the 3d Battalion, 1st Marines, and 140 personnel of the 2d CAG, III MAF School.

d. During the month of July 1968, four one hour classes were held for the Officers and Staff NCO's of this battalion covering the following subjects:

- (1) Bulk Fuel Operations
- (2) Helicopter Support Teams
- (3) Personal Response
- (4) Road and Bridge Reconnaissance

e. During the month of July 1968, the Communications Section conducted training covering the following subjects with 33 personnel attending for a total of five hours.

- (1) Basic Radio Procedures
- (2) Extinguishing Electrical Fires
- (3) Unserviceable Equipment Reports
- (4) Spot Reports

f. Motor Transport held two classes during the month of July 1968. Instructions were held on Transportation of Personnel and Cargo, and on Storage of Lead Acid Type Batteries. Total hours of instruction were two with 18 personnel attending.

g. The 1st Engineer Battalion Aid Station held general training on First Aid and Sanitation in a Tropical Climate and administrative training on Service Records for a total of two hours with 10 personnel attending.

4. Operations

a. Operation HOUSTON,
Phase II

1 May 1968 -
Still in Progress

Company "B" provided one platoon (-) (Rein) for close combat engineer support for the 5th Marines on Operation HOUSTON, Phase II until 25 July 1968. Phase II of Operation HOUSTON commenced on 1 May 1968 and is still in progress with the 1st Platoon, Company "A", 3d Engineer Battalion providing close combat engineer support to the 1st and 3d Battalions, 26th Marines. Engineer casualties to date include three WIA.

b. Operation SCOTLAND
II

1 June 1968 -
6 July 1968

Company "A" provided three officers and 49 engineers for close combat engineer support of the 1st Marine Regiment (-) and the 4th Marines on Operation SCOTLAND II which commenced on 1 June 1968 and terminated on 6 July 1968. Total engineer casualties on this operation were eight WIA.

Ref: CO "A" Co AA Rpt LJB/gpl over 3480 of 10 July 1968

c. Operation ALLENBROOK

4 May 1968 -
Still in Progress

Project WOODPECKER became OPCON to the 27th Marines on 5 June 1968 for land clearing operations in support of Operation ALLENBROOK. In addition, 10 engineers of "C" Company assigned to Project WOODPECKER provide combat engineer support for Operation ALLENBROOK as required. This Operation commenced on 4 May 1968 and is still in progress. Engineer casualties to date include two KIA and 11 WIA.

d. Operation MAMELUKE THRUST

19 May 1968 -
Still in Progress

Company "B" (-)(Rein) provided eight engineers for close combat engineer support to the 1st Battalion, 5th Marines on the northern phase of Operation MAMELUKE THRUST until 25 July 1968. Company "C" is providing eight combat engineers in support of the 3d Battalion, 1st Marines on Operation MAMELUKE THRUST since 4 July 1968. Operation MAMELUKE THRUST commenced on 19 May 1968 and is still in progress. Engineer casualties to date include five WIA.

e. Search and Destroy Operation

11 July 1968 -
16 July 1968

Company "C" provided two engineers for close combat engineer support of the 1st Battalion, 7th Marines on a search and destroy operation which commenced on 11 July 1968 and terminated on 16 July 1968.

Ref: CO, "C" Co AA Rpt FPP/dep over 3480 of 19 July 1968

5. Water Supply. During the month of July 1968, the 1st Engineer Battalion operated 13 water points which produced 5,881,000 gallons of potable water and 1,074,000 gallons of shower water for units of the 1st and 3d Marine Divisions.

6. Construction

a. The following 59 Division originated Work Orders were completed during the month of July 1968.

(1) Oiled roads within the 1/26 cantonment. 12 manhours, six equipment hours and 3,000 gallons of bunker oil were required to complete the work order.

(2) Replaced the doors and the floor tile in the Commanding General's mess, 1st Marine Division. 234 manhours, 28 BF of lumber, seven sheets of plywood, 10 pints of contact cement, and three pounds of nails were required to complete the work order.

(3) Constructed 20' x 32' x 8' COC bunker for 3/11. 175 manhours, 10,770 BF of lumber, six rolls of roofing paper, and 350 pounds of nails were required to complete the work order.

(4) Oiled the Headquarters Battalion, 1st Marine Division motor pool parking lot. 32 manhours, 16 equipment hours, and 9,000 gallons of bunker oil were required to complete the work order.

(5) Constructed four ammunition bunkers for Mortar Battery, 3/11. 630 manhours, 18,200 BF of lumber, 12 rolls of roofing paper, and 440 pounds of nails were required to complete the work order.

(6) Repaired one ice maker and two water coolers for the messhall at Hill 10 for 1/7. 13 manhours, 20 feet of pipe and 11 assorted plumbing fixtures were required to complete the work order.

(7) Provided road grader to backfill ditch for cable laying operation from Hill 55 to 27th Marines CP. Six manhours and six equipment hours were required to complete the work order.

(8) Cleared the drains at the 27th Marines messhall. 21 manhours and 10 equipment hours were required to complete the work order.

(9) Corrected and eliminated drainage problem at the 27th Marines messhall. 12 manhours, four equipment hours and 110 feet of pipe were required to complete the work order.

(10) Oiled road from Communications Company, Headquarters Battalion, 1st Marine Division to Route 3. 16 manhours, eight equipment hours and 3,000 gallons of bunker oil were required to complete the work order.

(11) Installed 60KW generator with muffler system at the "G" Section building generator shed, 1st Marine Division CP. 18 manhours, three equipment hours, nine feet of pipe, 16 feet of strap banding and one 55 gallon drum were required to complete the work order.

(12) Prepared section for air conditioner unit and boarded up section of original position at 1st Marine Division CP. 21 manhours were required to complete the work order.

(13) Rewired the 2/27 messhall. 546 manhours, 225 equipment hours, 3,990 feet of wire, 100 feet of guy wire and 23 assorted electrical fixtures were required to complete the work order.

(14) Hooked up 100KW generator to existing power distribution system for the 7th Marines. 28 manhours, four split bolts and 80 feet of wire were required to complete the work order.

(15) Constructed two ammunition storage bunkers for 3/11. 350 manhours, six equipment hours, 8,840 BF of lumber, six rolls of roofing paper and 220 pounds of nails were required to complete the work order.

(16) Constructed two 2-man fighting bunkers at Hill 244. 240 man-hours, one equipment hour, 933 BF of lumber, one roll of roofing paper, 32 pieces of culvert and 50 pounds of nails were required to complete the work order.

(17) Constructed one standard foot locker for Commanding General's Aide. 16 manhours, two sheets of plywood, and five pounds of nails were required to complete the work order.

(18) Installed culvert around the COC bunker at Hill 10 for 1/7. 25 manhours, and 24 pieces of culvert were required to complete the work order.

(19) Conducted survey at rock crusher site near Dai La Pass. 10 man-hours were required to complete the work order.

(20) Constructed two 8' x 8' bunkers for 3/11. 70 manhours, 3,942 BF of lumber, two rolls of roofing paper and 130 pounds of nails were required to complete the work order.

(21) Constructed one table and one shelf for the Division Engineer Officer. Eight manhours, 1 sheet of plywood, and three pounds of nails were required to complete the work order.

(22) Constructed one cabinet for Division Headquarters. 20 manhours, three sheets of plywood, and 10 pounds of nails were required to complete the work order.

(23) Constructed five cabinets for the Division Engineer Officer. 56 manhours, six sheets of plywood and 13 pounds of nails were required to complete the work order.

(24) Repaired ladder at rock crusher site near Dai La Pass. Four manhours, 10 BF of lumber and two pounds of nails were required to complete the work order.

(25) Constructed one cabinet for the Division Comptroller. 20 man-hours, three sheets of plywood, and 10 pounds of nails were required to complete the work order.

(26) Constructed one ammunition storage bunker for the 1st Engineer Battalion. 180 manhours, 2,925 BF of lumber, 40 pounds of nails and one roll of roofing paper were required to complete the work order.

(27) Constructed and installed one table in the Division G-4 Office. Two manhours, one sheet of plywood, and seven pounds of nails were required to complete the work order.

(28) Emplaced culvert at rock crusher site for 1/26. 49 manhours and 38 pieces of culvert were required to complete the work order.

(29) Constructed a shelter for Headquarters Battalion, 1st Marine Division. 126 manhours, 520 BF of lumber, 64 pieces of tin, and 65 pounds of nails were required to complete the work order.

(30) Constructed 200 skids for Force Logistics Command. 168 manhours, and 200 sheets of plywood were required to complete the work order.

(31) Provided sweep team to MCB-4 at FLC. 133 manhours and 23 equipment hours were required to complete the work order.

(32) Installed wire screen at the 7th Marines Post Office. 12 manhours, and 240 square feet of fencing were required to complete the work order.

(33) Made expedient repairs to holes in deck of the Golden Gate Bridge. Four manhours, six BF of lumber and seven pounds of nails were required to complete the work order.

(34) Constructed storage bin for Division Engineer Officer. Three manhours, three sheets of plywood and seven pounds of nails were required to complete the work order.

(35) Rehabilitated dental van and constructed one dental van for 1st Dental Company. 72 manhours, 10 sheets of plywood, 30 BF of lumber, and 25 pounds of nails were required to complete the work order.

(36) Installed drainage pipe in the 2/27 messhall. Two manhours and 18 feet of 2" pipe were required to complete the work order.

(37) Provided backhoe and operator to 7th Marines at Hill 55. 80 manhours and 80 equipment hours were required to complete the work order.

(38) Constructed two room partitions for the Division Engineer Officer. 56 manhours, two sheets of plywood, 18 BF of lumber and two pounds of nails were required to complete the work order.

(39) Installed fuel tank for generator located at "G" Section building, 1st Marine Division. 28 manhours, eight equipment hours, one 300 gallon fuel tank, 25 feet of 2" hose, and one 1" tee were required to complete the work order.

(40) Performed repairs to electrical system at 1st Marine Division Schools area. 15 manhours, and 11 various electrical fixtures were required to complete the work order.

(41) Dug trenches and provided engineer assistance in construction of protective revetment for 3/7. 82 manhours and 42 equipment hours were required to complete the work order.

(42) Constructed one water tower for 7th Marines. 156 manhours, 2,560 BF of lumber, and 100 pounds of nails were required to complete the work order.

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(43) Returned 12 tent decks to the 1st Engineer Battalion S-4 Lot that were used by 3/26. 40 manhours and 16 equipment hours were required to complete the work order.

(44) Fabricated and delivered 50 55 gallons drums to Task Force X-Ray. 20 manhours and 20 equipment hours were required to complete the work order.

(45) Constructed 50 ground target devices for 1st Marine Division Schools. 105 manhours, 10 sheets of plywood and 20 BF of lumber were required to complete the work order.

(46) Installed four barrel grease trap in the Hill 22 messhall. 11 manhours, four equipment hours, one 55 gallon drum, and 24 feet of pipe were required to complete the work order.

(47) Relocated air conditioner and installed plexiglass at the 1st Marine Division COC bunker. 24 manhours and salvaged material were required to complete the work order.

(48) Repaired the 3/1 COC bunker. 416 manhours, 2,544 BF of lumber, 165 pounds of nails and 11 rolls of roofing paper were required to complete the work order.

(49) Designed field bus system for 150KW generator. Four manhours were required to complete the work order.

(50) Constructed 11 2-man culvert bunkers at Hill 65 for 3/7. 100 manhours, 5,005 BF of lumber, 176 pieces of culvert and 330 pounds of nails were required to complete the work order.

(51) Provided six heads and 10 urinoils to the 5th Marines with instructions for installation. Five manhours and five equipment hours were required to complete the work order.

(52) Provided 100 feet of 12" culvert to CEMU 301 at An Hoa. One manhour and one equipment hour were required to complete the work order.

(53) Oiled roads for MASS-3, Detachment One. Two manhours, two equipment hours, and 1,200 gallons of bunker oil were required to complete the work order.

(54) Placed rocks on the roof of the 1st Marine Division COC bunker. 480 manhours, 200 equipment hours and 25 loads of rock were required to complete the work order.

(55) Evaluated bunker requirement at Hill 244 for Headquarters Battalion defense. Eight manhours were required to complete the work order.

(56) Issued two heads and 1,000 feet of wire to a U.S. Army unit at Red Beach. Five manhours, one equipment hour, two prefab heads and 1,000 feet of wire were required to complete the work order.

(57) Repaired two SEA Huts for the 7th Marines that were damaged during mortar attack. 355 manhours, 34 sheets of plywood, 76 pieces of tin, 70 pounds of nails and 954 BF of lumber were required to complete the work order.

(58) Provided Water Supply personnel to 5th Marines to analyze water and recommend appropriate action. 11 manhours were required to complete the work order.

(59) Conducted a drainage survey at An Hoa for the 5th Marines. 21 manhours were required to complete the work order.

b. The following 37 Battalion originated Work Orders were completed during the month of July 1968.

(1) Constructed a handball court for the 1st Engineer Battalion. 846 manhours, 100 bags of cement, 220 cubic feet of sand, 330 cubic feet of gravel, 57 sheets of plywood, 2,260 BF of lumber, 150 pounds of nails and 52 engineer stakes were required to complete the work order.

(2) Installed six fluorescent fixtures in the Support Company Office and two in the Support Company Supply building, 1st Engineer Battalion. 34 manhours, 210 feet of wire, 10 fluorescent fixtures, 20 fluorescent tubes, and four junction boxes were required to complete the work order.

(3) Provided two duckboards for the 7th Marine Regiment water point. Eight manhours and four equipment hours were required to complete the work order.

(4) Issued material to 1st Engineer Battalion S-5 for construction of forms for the Hoa Phu medical clinic. Four man hours, 19 BF of lumber and two sheets of plywood were required to complete the work order.

(5) Rewired the floodlights of the 1st Engineer Battalion outdoor theatre/stage. 24 manhours, six splitbolts and 260 feet of wire were required to complete the work order.

(6) Constructed two doors for the MARS Station at Headquarters Battalion, 1st Marine Division. Six manhours, 20 BF of lumber, two sheets of plywood, and 10 pounds of nails were required to complete the work order.

(7) Constructed a platform for the Commanding General, 1st Marine Division barber shop. Four manhours, three sheets of plywood and 20 BF of lumber were required to complete the work order.

(8) Constructed two standard 3 drawer file cabinets for "C" Company, 1st Engineer Battalion. 96 manhours, four sheets of plywood and 10 pounds of nails were required to complete the work order.

(9) Oiled roads within the 1/7 cantonment. 12 manhours, six equipment hours and 2,500 gallons of bunker oil were required to complete the work order.

(10) Conducted an engineer reconnaissance of the helo landing platform at Hill 452. 10 manhours were required to complete the work order.

(11) Fabricated and installed sign at the 1st Engineer Battalion pick up point. Five manhours and one sheet of plywood were required to complete the work order.

(12) Repaired drains for sinks in the 1st Engineer Battalion messhall pot shack and spud locker. Four manhours, and six assorted plumbing fixtures were required to complete the work order.

(13) Fabricated and installed sign for the 1st Engineer Battalion messhall. Three manhours and $\frac{1}{2}$ sheet of plywood were required to complete the work order.

(14) Installed 20 light fixtures in the 1st Engineer Battalion supply warehouse. 52 manhours, 145 feet of wire, 30 connectors, 20 light fixtures, 80 fluorescent tubes and one male plug were required to complete the work order.

(15) Installed water tower for 1st Engineer Battalion. 110 manhours, 10 equipment hours, 40 feet of pipe, and 23 assorted plumbing fixtures were required to complete the work order.

(16) Improved 1st Engineer Battalion water points in the 1st Marine Division TAOR. 40 manhours were required to complete the work order.

(17) Installed plumbing to connect dam with the Dai La water point. 172 manhours, 50 equipment hours, 260 feet of pipe, and 17 assorted plumbing fixtures were required to complete the work order.

(18) Corrected plumbing in the 1st Engineer Battalion Support Company shower room. Eight manhours, 20 feet of pipe and three plumbing fixtures were required to complete the work order.

(19) Provided 200 stakes for the D & S Section, 1st Engineer Battalion. 92 manhours and 50 BF of lumber were required to complete the work order.

(20) Installed water tank for ice machine at the 1st Engineer Battalion messhall. 10 manhours, 20 feet of pipe, 10 55 gallon drums, and seven assorted plumbing fixtures were required to complete the work order.

(21) Constructed three work benches for the 1st Engineer Battalion Motor Transport repair shop. 52 manhours, 10 sheets of plywood, 50 BF of lumber and 12 pounds of nails were required to complete the work order.

(22) Provided technical assistance in pouring sidewalk around the 2/27 messhall. 120 manhours and material furnished by requesting unit were required to complete the work order.

(23) Constructed and erected five 3,000 gallon water tank platforms for 3/7 at Hill 37. 265 manhours, 7,950 BF of lumber and 250 pounds of nails were required to complete the work order.

(24) Provided 1st Engineer Battalion police sergeant with eight 55 gallon drums without tops to be used as trash containers. Two manhours and two equipment hours were required to complete the work order.

(25) Fabricated 50 urinoils to be used by units of the 1st Marine Division. 60 manhours, 28 equipment hours, 50 pounds of welding rods, 300 feet of pipe, and 50 55 gallon drums were required to complete the work order.

(26) Performed expedient repairs to damaged bridge located on Route 14. 72 manhours, three equipment hours, and material furnished by the 7th Engineer Battalion were required to complete the work order.

(27) Constructed one SEA Hut for the 27th Marines. 216 manhours and material provided by requesting unit were required to complete the work order.

(28) Improved the electrical system at the 1st Engineer Battalion Land Mine Warfare School. 37 manhours, 258 feet of wire, and 69 assorted electrical fixtures were required to complete the work order.

(29) Constructed two tool boxes for the 3d Engineer Battalion. Six manhours, four sheets of plywood and six pounds of nails were required to complete the work order.

(30) Installed four overhead fans in the 1st Engineer Battalion messhall. 18 manhours, 175 of wire and four overhead fans were required to complete the work order.

(31) Constructed a chemical shed for the Hill 55 water point. 83 manhours, 905 BF of lumber and 20 pounds of nails were required to complete the work order.

(32) Constructed and mounted display board for captured weapons for the 1st Engineer Battalion. 21 manhours, two sheets of plywood, 64 BF of lumber and four pounds of nails were required to complete the work order.

(33) Fabricated six signs for the Heavy Equipment Platoon, Support Company, 1st Engineer Battalion. 12 manhours, 20 BF of lumber, one sheet of plywood, one pound of nails and one pint of paint were required to complete the work order.

(34) Constructed sign for the 1st Engineer Battalion Rifle Range. One manhour, six square feet of plywood and one pint of paint were required to complete the work order.

(35) Repaired stationary fan and provided proper ventilation in the 1st Engineer Battalion COC bunker. 15 manhours, one 115 volt motor, 25 feet of wire and one toggle switch were required to complete the work order.

(36) Installed lights in the 1st Engineer Battalion weight room and handball court. 105 manhours, four equipment hours, 393 feet of wire, 17 lamp holders, 30 connectors, and two toggle switches were required to complete the work order.

(37) Installed shelves in the 1st Engineer Battalion Special Services building. 32 manhours, 148 BF of lumber, and five pounds of nails were required to complete the work order.

7. Civil Affairs/Civic Action

a. During the month of July 1968, loyalty for the Republic of Vietnam was displayed by the Popular Forces when NVA forces attempted to set up a rocket launching site located between two hamlets in the Hoa Phu Village. The sites were destroyed by artillery fire directed from the Popular Forces in Hoa Phu. The enemy obviously believed the local forces would not attempt an artillery mission in a densely populated area and assumed they had selected a "safe" area from which to fire rockets into the Danang area. As a result of the effective artillery fire the enemy fired only 20 rockets. The NVA officer in charge was killed by the fire mission.

b. In addition to the rocket attack, enemy propaganda and "tax collection" was reported by the local populace and this battalion's S-5 team captured several suspects for interrogation.

c. Civic action programs during the month of July 1968 included the start of a school building in the Truc Dong Hamlet, progress in the construction of the permanent medical clinic located at Hoa Phu Village, which is 50% completed, and medical assistance rendered to 1,762 Vietnamese nationals in the surrounding area.

8. Religious Affairs

a. Catholic and Protestant Services were held at the 1st Engineer Battalion Chapel each Sunday at 0815 and 1000 respectively.

b. Four Protestant Services were held in the 1st Engineer Battalion Chapel during the month of July 1968. Four services were also held at the 11th Motor Transport Battalion.

9. Research and Development

During the month of July 1968, an Eimco tractor with modified airfilter (two multi-fuel vehicle air filters used) was utilized in land clearing efforts in the Go Noi Island area. The Force Logistics Command is compiling evaluation results for submission as a standard Eimco tractor modification. Test results to date have proven satisfactory. Maintenance time has been reduced and the engine operating temperature has been reduced.

PART IV

SUPPORTING DOCUMENTS

TAB A CO, "A" Co AA Rpt LJB/gpl over 3480 of 10 July 1968
TAB B CO, "C" Co AA Rpt PFF/dep over 3480 of 19 July 1968
VTA 3-E SITRERS #183-214 (Filed Sep)
Added Tab C from Oct 68 cycloform G "C" AA Rpt PFF/dep over 3480 of 25 Jul 68
Tab D " " Co "B" AA Rpt TWF/dep over 3000.1 of 15 Aug 1968

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

01:LJB:gpl
 3480
 10 July 1968

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

Subj: Combat Operations After Action Report

Ref: (a) DivO 3480.1A
 (b) Map Vietnam 1:50,000, sheet 6-542 II Series L7014
 (c) Map Vietnam 1:50,000, sheet 6-542 III Series L7014

1. Code Name: Scotland II

2. Dates of Operation: 15 April 1968 to 6 July 1968

3. Location: Khe Sanh, Quang Tri Province

4. Command Headquarters: 1st Marine Regiment

5. Reporting Officers: Captain Louis J. BUCHSTEINER 093545/1302 USMCR; 1stLt Robert S. BAXTER 093545/1320 USMCR; 1stLt Robert L. BARD 0100836/1302 USMCR; 1stLt Normand C. TRACY 093919/1302 USMC; 2ndLt John A. SCHIFF 0102681/1301 USMCR; 2ndLt Roger S. GRISWOLD SKY 0103070/1301 USMCR.

6. Task Organization: Not applicable

7. Supporting Forces: Not applicable

8. Intelligence: 1st Marine Regiment S-2

9. Mission: "A" Company (-) in direct support of the 1st Marine Regiment.

10. Concept of Operation: Two platoons plus elements of the command group and attached personnel in support of 1st Marine Regiment on a Search and Destroy Operation. One officer in charge and three enlisted engineers and attached personnel in support of Regimental Command Group; one officer and three enlisted engineers in support of Battalion Command Group; for companies one NCO and a three man engineer team in direct support. Every engineer carried 10 lbs of C-4 explosives.

11. Execution: On 15 April 1968 operation Scotland II was commenced upon termination of Operation Pegasus in Ea Lu, Quang Tri Province. Units deployed on that date into Khe Sanh.

12. Results:

a. The following items were destroyed during the operation

DATE	QUANTITY	ITEMS	COORDINATES
15Apr68	5 250	60mm mortar rounds 50 cal. M.G. rounds	XD 903415 XD 903415
16Apr68	60	60mm mortar rounds	XD 914404
17Apr68	4 8	AK 47 rifles B40 rockets	XD 987395 XD 987395

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DATE	QUANTITY	ITEMS	COORDINATES
17Apr68	.22 6 300 8	Chi Com grenades Rifle grenades lbs. TNT 61mm base plates	XD 987395 XD 987395 XD 987395 XD 987395
18Apr68	20 6	B40 rocket rounds Claymore mines	XD 881399 XD 881399
19Apr68	20	2 man bunkers	XD 872396
20Apr68	30	2 man bunkers	XD 872396
21 Apr68	25 100 200 400 50 2 5000 10	20 lb TNT pole hangers B40 rockets 60mm mortar rounds 1lb TNT rifle grenades 82mm mortar rounds rounds, small arms DH 10	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown
22Apr68	24 10 12 1 25 3 3 200 1 150 1000	lbs NVA TNT M26 grenades Chi Com grenades Fighting bunker 1bs TNT Chi Com grenades M26 grenades rounds, small arms bottle of nitro Chi Com grenades 550cal rounds	Unknown Unknown Unknown XD 875445 XD 875445 XD 875445 XD 875445 XD 875445 XD 875445 XD 881399 XD 881399
23Apr68	10 25	B40 rocket rounds 60mm mortar rounds	XD 881399 XD 881399
24Apr68	5 17	B40 rockets fighting bunkers	XD 881399 XD 870400
25Apr68	1 4	M60 M.G. M16 rifles	XD 925403 XD 925403
26Apr68	1 2 1 1 60 10	Flamethrower radio and trans/receiver aluminum ladder 2 man bunkers 60mm mortar rounds	XD 925403 XD 925403 XD 925403 XD 905395 XD 905395
27Apr68	1 2 3 1 1000 1 10 30 2 2 1 10 2	105mm round 2 man bunkers "A" frame bunker helmets 82mm rounds 1lb TNT rounds, all arms pack 82mm rounds war heads caris increments fortified fighting holes 82mm mortar pit w/overhead Human living bunker Living bunkers	XD 903417 XD 875413 XD 898385 XD 898385 XD 898385 XD 898385 XD 898387 XD 898387 XD 898387 XD 898387 XD 898387 XD 898387 XD 872429 XD 797412 XD 800412

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<u>DATE</u>	<u>QUANTITY</u>	<u>ITEMS</u>	<u>COORDINATES</u>
27 Apr 68	2	82mm mortar pits	XD 800412
	1	ammo bunker w/overhead	XD 800412
	2	NVA rocket launchers	XD 855412
	17	60mm mortar rounds	XD 855415
	150	lbs TNT	XD 855415
	88	pull friction fuzes	XD 855415
	100	rounds small arms	XD 855415
	2	bangle or torpedoes	XD 855415
	1	gas mask	XD 855415
	1	bag medical equipment	XD 855415
28 Apr 68	100	lbs TNT	XD 812406
	6	bangle or torpedoes	XD 812406
	150	Chi Com grenades	XD 812406
	75	82mm mortar rounds	XD 812406
	70	60mm mortar rounds	XD 812406
	62	82mm boosters	XD 812406
	200	increments	XD 812406
	1	Chi Com claymore mine	XD 812406
	1000	rounds small arms	XD 812406
	10	gas masks	XD 812406
	3	canteens	XD 812406
	3	helmets	XD 812406
	4	shovels	XD 812406
	1	axe	XD 812406
	50	1bs rice	XD 812406
	5	2 man bunkers	XD 887372
	600	AK rounds	XD 887372
	9	82mm mortar rounds	XD 887372
30 Apr 68	4	RPG rockets	XD 881399
	555	rounds, small arms	XD 881399
	9	1bs TNT	XD 881399
	1	AT mine	XD 881399
	8	Chi Com grenades	XD 881399
	3	M14 AP mines	XD 881399
	5	90mm rounds	XD 881399
	320	rounds small arms	XD 859410
	18	B40 rocket launchers	to
	18	B40 rockets	XD 859403
	1	120mm round	
	30	Chi Com grenades	
	8	concussion grenades	
	2	AP mines	
	75	60mm mortar rounds	
	11	bunkers	
	3	500 1b bombs	
	2	250 1b bombs	
	2	105mm rounds	
	8	blocks TNT	
	40	60mm fuzes	
	1	BAR	
1 May 68	16	B40 rockets	XD 881399
	7	60mm mortar rounds	XD 881399
	11	82mm mortar fuzes	XD 898385
	4	82mm mortar rounds	XD 898385
	70	.50 cal rounds	XD 898385
	80	bunkers	XD 905395
	1	AK 50 M.G.	XD 902377
	16	82mm mortar rounds	XD 902377
	10	B40 rockets	XD 902377

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<u>DATE</u>	<u>QUANTITY</u>	<u>ITEMS</u>	<u>COORDINATES</u>
1 May 68	2	RPG rocket launchers	XD 902377
	15	Chi Com grenades	XD 902377
	300	AK rounds	XD 902377
2 May 68	2	M26 grenades	XD 906397
3 May 68	50	2 man bunkers	XD 872396
5-7 May 68	50	2 man bunkers	XD 782431
	200	82mm mortar rounds	XD 872431
	30	60mm mortar rounds	XD 872431
	170	bunkers	XD 875395
8 May 68	4	B40 rockets	XD 771457
9 May 68	23	cases Chi Com .50 cal rounds	Unknown
	30	B40 rockets	Unknown
	25	1bs Chinese TNT	Unknown
	1	RPG rocket launcher	Unknown
	10	82mm mortar rounds	Unknown
	8	60mm mortar rounds	Unknown
	4	3.5 rocket rounds	XD 913403
	2	40mm M79 rounds	XD 913403
	4	M26 grenades	XD 913403
10 May 68	8	LAWs	XD 913403
	2	claymore mines	XD 913403
	6	M26 grenades	XD 913403
	500	rounds, small arms	XD 913403
	1	butterfly bomb	XD 913403
	1	122mm rocket	XD 768457
	84	82mm mortar rounds	XD 770457
	26	82mm fuzes	XD 770457
	9	cans of increments	XD 770457
	3	bunkers	XD 770457
	100	60mm fuzes	XD 770457
	15	Chi Com grenades	XD 770457
	6	RPG boosters	XD 770457
	8	cases AK 47 rounds	XD 770457
	1	U.S. claymore mine	XD 770457
	1	bangle or torpedo	XD 770457
	27	pull friction fuzes	XD 770457
11 May 68	50	bunker complex	XD 849405
	20	cases AK 47 rounds	XD 770457
	12	Chi Com grenades	XD 770457
	2	40mm rockets	XD 770457
	5	75mm rounds	XD 770457
	13	82mm mortar rounds	XD 770457
	9	82mm fuzes	XD 770457
	2	U.S. claymore mines	XD 770457
12 May 68	50	bunker complex	XD 849405
	50	bunker complex	XD 774458
	143	82mm mortar rounds	XD 774458
	46	60mm mortar rounds	XD 774458
	200	82mm mortar fuzes	XD 774458
	18	cans of increments	XD 774458
	1	LAW	XD 774458
13-15 May 68	150	bunker complex	XD 849405
	21	"A" frame bunkers	XD 846393
	8	Chi Com grenades	XD 846393
	200	1bs small arms ammo	XD 846393

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<u>DATE</u>	<u>QUANTITY</u>	<u>ITEMS</u>	<u>COORDINATES</u>
13-15 May 68	1 1	Chinese anti-aircraft gun Chinese machine gun	XD 845393 XD 845393
16 May 68	200	rounds, small arms	XD 897385
17 May 68	50	Chi Com grenades	XD 897389
21 May 68	1 4 2 50 100 1	U.S. claymore mine RPG rockets LAWS Chi Com grenades lbs rice ton class III ammunition	XD 905395 XD 905395 XD 905395 XD 905395 XD 905395 XD 881399
27 May 68	1	U.S. Claymore mine	XD 887372
2 Jun 68	25 15 15 5	LAWS 3.5" rockets M 26 grenades M 79 rounds	XD 820450 XD 820450 XD 820450 XD 820450
3 June 68	2 2 8 7 11 20 1200	"A" frame bunkers Chi Com grenades LAWS "A" frame bunkers living bunkers B40 rocket rounds rounds small arms ammo	XD 916345 XD 916345 XD 909360 XD 923345 XD 923345 XD 923345 XD 923346
4 June 68	25 10 750 4 6 3 4 2 9 1	Chi Com grenades lbs TNT rounds AK ammo "A" frame bunkers 82mm mortar rounds 60mm mortar rounds rifle grenades flame throwers 82mm mortar rounds 250 lb bomb	XD 887372 XD 887372 XD 887372 XD 916348 XD 916348 XD 916348 XD 916348 XD 916348 XD 916356 XD 916358
5 June 68	3 4 2 32 8 7	2 man bunkers "A" frame bunkers "A" frame bunkers 60mm mortar rounds LAWS M 26 grenades	XD 887372 XD 909345 XD 900360 XD 876382 XD 876382 XD 876382
7 June 68	3 3	82mm mortar rounds B 40 rocket rounds	XD 915356 XD 915358
9 June 68	3 1 35 25 3 3	60mm mortar rounds 155mm round bunkers Chi Com grenades 82mm mortar rounds RPG rockets	XD 907385 XD 907385 XD 906367 XD 906367 XD 906367 XD 906367
13 June 68	40 10	2 man bunkers covered trench bunkers	XD 878396 XD 878396
17 June 68	2000 9 100	rounds AK 47 ammo 81mm mortar rounds lbs rice	XD 855405 XD 855405 XD 855405

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<u>DATE</u>	<u>QUANTITY</u>	<u>ITEM</u>	<u>COORDINATES</u>
20 June 68	2	3.5 rocket rounds	XD 913403
	3	LAWS	XD 913403
	15	M 79 rounds	XD 913403
	200	rounds small arms ammo	XD 913403
24 June 68	45	bunkers	XD 940408
	3	82mm mortar	XD 940408
	5	60mm mortars	XD 940408
	1	Claymore mine	XD 940408
	1	LAWS	XD 940408
25 June 68	6	60mm mortar rounds	XD 872395
	2	3.5 rounds	XD 872395
26 June 68	9	M 26 grenades	XD 872395
27 June 68	1	LAWS	XD 872395
29 June 68	5	60mm mortar rounds	XD 872395
	5	LAWS	XD 872395
1 July 68	3	3.5 rounds	XD 872395
	1	82mm mortar round	XD 872395
2 July 68	12	82mm fuses	XD 872395
6 July 68	1	2½ ton truck	XD 913403
	1	Mity Mite jeep	XD 913403
	55	gallons gasoline	XD 913403
	600	rounds small arms ammo	XD 913403
7 July 68	1	M-172A1 semi trailer	XD 913403
	850	60mm mortar rounds	XD 913403
	350	56mm rounds	XD 913403
	160	90mm rounds	XD 913403
	70	3.5 rockets	XD 913403
	24	illumination flares	XD 913403
	48	M26 grenades	XD 913403
	8	LAWS	XD 913403
	9	CS grenades	XD 913403
	2	claymore mines	XD 913403
	36	M 79 rounds	XD 913403
	16	40mm rounds	XD 913403
	1000	rounds small arms ammo	XD 913403
	50	lbs TNT	XD 913403

b. Preparation to evacuate Khe Sanh Combat Base was commenced on 18 June 1968 as Project Charlie. The following items were destroyed during the evacuation period:

<u>DATE</u>	<u>QUANTITY</u>	<u>ITEM</u>
27 June 68	6	large bunkers blown
	1	small bunker covered
	8	large bunkers covered
		Hulks buried
	9	trucks
	5	jeeps
	2	rock crushers
	1	personnel carrier
	1	light aircraft
	50	Dozzer hours
	156	lbs TNT expended

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<u>DATE</u>	<u>QUANTITY</u>	<u>ITEM</u>
28 June 68	1	large bunker blown
	3	large bunkers covered
		Hulks buried
	1	helicopter
	1	fork lift
	1	M-49 fuel truck
	1	C-137 plane
	1	armored tank
	3	4 KG generator
	1	large generator
	2	engine blocks
	50	Dozer hours
	20	lbs TNT expended
29 June 68	2	small bunkers blown
	2	large bunkers blown
	10	large bunkers covered
		bits of rotors buried
	60	lbs TNT expended
	50	Dozer hours, grading, digging 5 slit trenches, and covering 100m of trenches
30 June 68	2	small bunkers blown
	2	large bunkers blown
	7	large bunkers covered
	1	Conex box buried
	60	lbs TNT expended
	50	Dozer hours, grading, covering 250m of trenches and filling 11 holes
1 July 68	3	small bunkers blown
	1	large bunker blown
	4	large bunker covered
	1	M-49 water tanker buried
	755	lbs TNT expended
	50	Dozer hours, grading, covering 450m of trenches, filling 8 holes, and digging 6 slit trenches
2 July 68	4	large bunkers blown
	12	large bunkers covered
	1	jeep buried
	65	lbs TNT expended
	50	Dozer hours, covering 900m of trench, 10 holes, and buried trash heaps
3 July 68	1	small bunker blown
	6	large bunkers blown
	9	large bunkers covered
	1	helicopter buried
	470	SATS mothing buried
	50	lbs TNT expended
		dozer hours, grading, covering 470m trenches, burying barbed wire
4 July 68	3	small bunkers blown
	5	large bunkers blown
	1	truck & portion of helicopter buried
	130	lbs TNT expended
	70	Dozer hours, grading, covering 400m trenches, destroying 8" gun positions, filling 10 holes

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DATE	QUANTITY	ITEM
5 July 68	2	large bunkers blown
	1	large bunker covered
400		lbs TNT expended
	70	Dozer hours, grading, covering 200m of trenches, and digging 4 slit trenches

c. Road sweeps were conducted daily from the following coordinates at various times during the operation.

XD 820450 to XD 863398
 XD 863395 to XD 872396
 XD 895405 to XD 872396
 XD 895405 to XD 914403
 XD 914403 to XD 921419
 XD 834421 to XD 823457
 XD 895405 to XD 869398
 XD 913402 to XD 925402

Results of all road sweeps were: 2 pressure detonation anti-vehicular mines were located at XD 863398 on 29 June 1968 and were destroyed in place with 2½ pounds of C-4. One mine was visually discernable due to the disturbed nature of the soil above it. The other mine was detected by a P-153 mine detector.

d. Landing zones were constructed at the following coordinates in support of the 1st Marine Regiment.

XD 917344 - 3 June 1968
 XD 900356 - 5 June 1968
 XD 903343 - 5 June 1968
 XD 908347 - 5 June 1968
 XD 900360 - 5 June 1968
 XD 911363 - 5 June 1968
 XD 899360 - 6 June 1968
 XD 911362 - 7 June 1968
 XD 902373 - 9 June 1968
 XD 851456 - 9 May 1968
 XD 850456 - 11 May 1968
 XD 849456 - 12 May 1968
 XD 903383 - 13 May 1968

e. The water point in Khe Sanh came under "A" Company control on 27 April 1968. Production at the water point was increased from 10,000 to 16,000 gallons per day to support all units operating in that area.

f. During the operation the following were constructed by the engineers:

1 8' x 8' x 20' COC Bunker (2/3)
 1 8' x 14' x 14' Bunker for B&S (2/3)
 1 8' x 8' x 12' Bunker for Chaplain (2/3)
 1 6' x 12' x 48' Living bunker for CP personnel (2/3)
 8 2 hole heads (2/3)
 1 22' x 34' x 12' living bunker for engineers

g. During this operation the TD 15 tractor was utilized for the following:

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DATE	UNIT SUPPORTED	WORK COMPLETED
29 April 1 May 68	2/9	Cleared 100m x 50m fields of mine
2 May 68	2/9	Dug out 16' x 32' for messhall
3 May 68	3/9	Dug out 3' 0" x 10' x 10' areas for bunkers
4 May 68	FLC	Dug out 6 gun emplacements for 155 guns
7-8 May 68	1stMar	Dug out 12' x 75' x 60' area for comm bunker
8 May 68	1stMar	Removed trash from area
9 May 68	2/1	Dug out 4 revetments for trucks
	1stMed	Dug out 15' x 80' x 50' for medical bunker
10 May 68	2/1	Covered 10' x 30' x 40' bunker, dug a revetment for radio jeep
15 May 68	1stMar	Covered bomb crater in Route 9
	1stMed	Dug 3 truck revetments
	1stEngrs	Dug 3 truck revetments
16 May 68	Tanks	Dug 10 revetments
19-20 May	Radio Relay	Dug 15' x 85' x 65' area for comm bunker
20-21 May 68	1stEngrs	Dug 12' x 60' x 40' area for living bunker
21 May 68	Radio Relay	Dug 5 truck revetments
22 May 68	1stMAY	Dug 12' x 60' x 45' area for comm bunker
23 May 68	2/1	Dug 6 revetments for trucks and mules
24 May 68	1/11	Dug 11 155 gun revetments
25-26 May 68	1stMar	Destroyed & covered 70 bunkers & connecting trench line outside perimeter
26 May 68	4/12	Dug 6 gun revetments
28 May 68	105Guns	Dug 4 gun revetments
30 May 68	175Guns	Dug 4 gun revetments
31 May-2 Jun 68	1stMar	Cleared 100m x 200m land for LZ Hawk
3 Jun 68	155Guns	Dug 6 gun revetments & 12 ammo revetments
4 Jun 68	105Guns	Dug 6 gun revetments & 12 ammo revetments
5 Jun 68	105Guns	Dug 12' x 50' x 45' area for bunker
6 Jun 68	1stMar	Buried 5 trash pits 50' x 100', cleared 2 dump areas 75' x 200'
7 Jun 68	1stTanks	Dug 4 tank revetments
	2/3	Covered up 12' x 12' x 50' bunker
8 Jun 68	2/3	Dug 12' x 12' x 75' area for bunker
9 Jun 68	2/3	Covered bunker

01:DJB:gpl
3480

<u>DATE</u>	<u>UNIT SUPPORTED</u>	<u>WORK COMPLETED</u>
14-16Jun68	2/5	Cleared 100m x 200m for OF
17Jun68	105Guns	Dug 6 gun revetments
18Jun68	175Guns	Dug 3 gun revetments
19Jun68	175Guns	Dug 6 ammo revetments
20Jun68	3/4	Dug 46' x 32' revetment for messhall
22Jun68	175Guns	Dug 3 gun revetments
24Jun68	175Guns	Dug 3 gun revetments
30 Jun68	1stMAW	Dug revetment for 10,000 tank

13. Administrative Matters: None

14. Special Equipment and Techniques: The following pieces of equipment were attached to this command during the evacuation of the Saigon Combat Base.

2 - 4 TN 40's from 3rd Shore Party
 1 - TD 18 from 11th Engineers
 2 - EMIC0's from 11th Engineers
 2 - TD 20's from the Seabees

a. The aforementioned equipment was used to bury tanks of discarded equipment and trash, and to fill in as shore bunkers and trench lines were destroyed.

15. Commanders Analysis: The work of the engineers was routine and no unusual problems were encountered.

16. Recommendations: None


 L. G. BUCHSTAKER

COMPANY "C"

1st Engineer Battalion

1st Marine Division(Rein), FMF

APO San Francisco, California 96602

PFF/dep 11 Jul 68

3480

19 July 1968

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

Subj: Combat After Action Report

Ref: (a) Div0 3480.1
(b) Map Vietnam 1:500,000 series L7014

1. Code Name. None2. Dates of Operation. 110800HJul68 to 161600HJul683. Location. Dia Loc Province, RVN4. Command and Control Headquarters.

1st Bn, 7thMar, Bravo Co.—1st Lt. REED
1st Plt. "C"Co, 1st EngrBn—SSGT FRAZIER

5. Task Organization. N/A6. Supporting Forces. N/A7. Intelligence. ISUMS 1/7

8. Mission. One 2 man engineer team was provided by 1stPlt, "C"Co, 1stEngrBn to provid close engineer support as needed.

9. Concept of operation. The engineer team performed basic engineer work such as destruction of enemy emplacements and ordinance.

10. Execution. At 0800 11 July 1968, "B"Co 1stBn, 7thMar departed hill 10 by helicopter, and at 0815 11 July 1968 arrived at An Hoa airstrip. At 0230 11 July 1968 departed An Hoa airstrip with "B"Co 1stBn, 7thMar, sweeping to Liberty Bridge.

AT 080444 13 July 1968 destroyed one tunnel with 8lbs C-4; two 105mm with 1-lbs C-4 ea.; and one M-26 with $\frac{1}{2}$ lb C-4.

AT 0908503 14 July 1968 destroyed one 105mm with 1-lb C-4; one 250 bomb with 7-lb C-4; 16 rockets with 3-lb C-4; one 60mm Mortar with $\frac{1}{2}$ lb C-4; 1

TAB-B

PFF/dep
3480

AT 1530 16 July 1968 arrived at hill 55, boarded vehicles and departed for hill 10; at 1600 16 July 1968 arrived at hill 10 and operation was secured.

11. Results. The engineers destroyed (1) tunnel, (3) 105mm rounds, (1) 250 lb, (16) rockets, (1) 60mm rd, (2) grenades, and (1) booby trap using 22 lbs of C-4, 9 non-electrical blasting caps and 21 ft of time fuze.
12. Administrative Remarks. N/A.
13. Special Equipment and Techniques. N/A.
14. Commander's Analysis. N/A.
15. Recommendations. None.



J. T. MATTHEWS JR

COMPANY "C"

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

PFF/dep
3130
25 July 1968

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

Subj: Combat After Action Report

Ref: (a) DIVO 3130-1
(b) Map Vietnam 1:500,000 series L7011

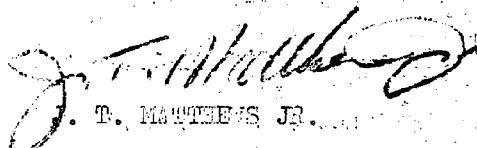
1. Code Name, Maginot Thrust
2. Dates of Operation, 190800HJul168 to 230700HJul168
3. Location, Di Loc Province, RVN
4. Command and Control Headquarters.
1st Bn, 7thMar, Bravo Co., 1st Lt, REED
1st Plt, "C" Co, 1st Engn, SSGT FRAZIER
5. Task Organization, N/A
6. Supporting Forces, N/A
7. Intelligence, ISUMS 1/7.
8. Mission, One 2 man engineer team was provided by 1stPlt, "C" Co, 1stEngnBn to provide close engineer support as needed.
9. Concept of operation, The engineer team performed basic engineer work such as destruction of enemy emplacements and ordinance.
10. Execution, At 0800 19 July 1968, "B" Co 1stBn, 7thMar departed hill 10. At 99 [REDACTED] destroyed five 155mm rounds with 2-lbs of C-4. At 008607 20 July 1968 destroyed one cave (3 $\frac{1}{2}$ ' x 6') with 3 $\frac{1}{2}$ lbs of C-4. At 998594 21 July 1968 destroyed one 250-lb. bomb with 2 $\frac{1}{2}$ lbs C-4; two 105mm rds. with 2-lbs of C-4; two M-26 grenade boobytraps with $\frac{1}{2}$ lb of C-4; one bottle-type boobytrap with pull-friction fuse using $\frac{1}{2}$ lb of C-4. At 003581 22 July 1968 destroyed 200 rds. of M-16 ammo and one 100lb bomb with 3-lbs of C-4.

REF ID: A65124
[REDACTED]PFT/dep
7480

AT 965560 23 July 1968 destroyed six bunkers (4'x6') with 11-lbs C-4, and two rockets were destroyed with 4lb C-4.

AT 992570 one 81mm rd was destroyed with 1lb of C-4.

11. Results. The engineers destroyed (5) 155mm rounds, (1) [REDACTED] 250-lb bomb, (2) 105mm rounds, (2) M-26 grenade boobytraps, (1) bottle type boobytrap, (200) M-16 rounds, (1) 100-lb bomb, (6) bunkers, (2) rockets, and (1) 81mm round using 26 lbs of C-4, 20 non-electrical blasting caps and 50 ft of time fuse.
12. Administrative Remarks. N/A.
13. Special Equipment and Techniques. N/A.
14. Commander's Analysis. N/A.
15. Recommendations. None



J. T. MATTHEWS JR.

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

JWF/rdz
3000.1
15 Aug 68

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat Operation After Action Report

Encl: ✓(1) Execution and Results Report

1. Code name: MAMLUKE THRUST NORTH
2. Date: 20 July 1968 - 28 July 1968
3. Location:
4. Control or Command Headquarters: 1st Battalion, 5th Marines Commanding Officer
5. Task Organization: "B" Company, 1st Engineer Battalion had 10 engineers attached to 1st Battalion, 5th Marines.
6. Supporting forces: N/A
7. Intelligence: During the operation no significant engineer intelligence was obtained.
8. Mission: To provide engineer support for the 1st Battalion, 5th Marines
9. Concept of Operation: To clear area of mines and boobytraps and to destroy dud ordnance. Also to clear areas for use as landing zones.
10. Execution: See enclosure (1).
11. Results: See enclosure (1).
12. Administrative matters: None
13. Special equipment and techniques: None
14. Analysis: No unusual problems were encountered and the demolition work was routine.
15. Recommendations: None

J. W. FORMAN

TAB D

EXECUTION AND RESULTS REPORT

20Jul68. Engineers moved out with 1/5. No significant action.

21Jul68. No significant action.

22Jul68. No significant action.

23Jul68. The following were destroyed with pounds of C-4:
1. 120 B-40 rockets
2. 20 61mm mortar rounds
3. 3 57mm recoilless rifle rounds

24Jul68. No significant action.

25Jul68. The following were destroyed with 25 pounds of C-4:
1. 900 82mm mortar rounds
2. 200 RPG rockets
3. 200 B-40 rockets
4. 800 pounds of dynamite
5. 50,000 AK-47 rounds
6. 100 feet of det cord
7. 200 pounds TNT
8. 200 boosters
9. 10 M1A1 mines
10. 2 DH-10 mines

26Jul68. No significant action.

27Jul68. The following were destroyed by engineers:
1. 10 60mm mortar rounds
2. 10 82mm rounds
3. 6 DH-10 mines
4. 17 pounds of TNT
5. 3 hand grenades
6. 20 boosters
7. 86 nonslectric blasting caps with firing devices
8. 6 electric blasting caps

28Jul68. Destroyed 5 huts with 110 pounds of C-4.

ENCLOSURE (1)