

DECLASSIFIED

HEADQUARTERS

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

3/JLR/reh
5750
Ser No. 097-69
15 October 1969

From: Commanding Officer
To: Commanding General, 1st Marine Division (Rein), FMF
Subj: Command Chronology for the Period 1 September 1969 to 30 September 1969

Ref: (a) MCN 5750.2
(b) FMFPac 5750.8
(c) DivO 5750.2c

Encls: ✓(1) 1st Engineer Battalion Chronology

Tab: ✓(a) 2nd Battalion, 1st Marines Op007-69, "A" Co, 1st Engineer's After Action Report

Tab: ✓(b) FSB Bushwack, "C" Co, 1st Engineer's After Action Report

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

Declassified by the Director of
Marine Corps History and Museums
in accordance with the provisions
of CNO ltr Ser 00SD323/232095 of
31 Mar 1979
Signature *[Signature]* R. E. SMITH

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1ST MARINE DIVISION, FMF

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1969

DECLASSIFIED

1ST ENGINEER BATTALION

COMMAND CHRONOLOGY

PART I	ORGANIZATIONAL DATA
PART II	NARRATIVE SUMMARY
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PART I
ORGANIZATIONAL DATA

1. DESIGNATION

1st Engineer Battalion

COMMANDER

LtCol R. E. SMITH

31 Jul69 - Present

SUBORDINATE UNITS

H&S Company (-)

1stLt R. M. WALLACE

13 Aug69 - Present

Support Company

Maj F. J. COX JR.

21 Jul69 - Present

Company "A" (Rein)

Capt I. E. PISTELLI

1 Apr69 - 3 Sep69

Company "B" (Rein)

Capt B. C. S. WORLEY

3 Sep69 - Present

Company "C" (Rein)

Capt E. C. HEIN JR.

5 Mar69 - Present

2. LOCATION

1st Engineer Battalion

21 Aug67 - Present

Danang, RVN

Support Company

21 Apr67 - Present

Danang, RVN

Company "A"

23 Aug68 - Present

Danang, RVN

Company "B"

6 Aug68 - Present

An Hoa, RVN

Company "C"

26 Aug - Present

Dong Trau, RVN

2nd Platoon

Company "A"

5th Engineer Battalion

20 Jul69 - Present

Danang, RVN

3rd Platoon

Company "A"

5th Engineer Battalion

29 Mar69 - Present

Danang, RVN

3. STAFF OFFICERS

Executive Officer

Maj J. G. CELLI

28 Oct68 - Present

Sergeant Major

SgtMaj J. H. WISE

15 Jun69 - Present

S-1/Adjutant

1stLt V. D. HIATT

20 Dec68 - Present

S-2

1stLt W. H. BARNETSON

14 Aug69 - Present

S-3	Maj W. M. WINOSKI	21Aug69 - Present
S-4	Maj F. BUTSKO	1Aug69 - Present
S-5	1stLt S. D. HAMMONS	14Aug69 - Present
Supply Officer	1stLt C. W. JOHNSON	14Apr69 - Present
Communications Officer	1stLt L. D. HEIN	1Jun69 - Present
Medical Officer	Lt. R. S. HAXTON	4Aug69 - Present
Engineer Equipment Officer	CWO-2 W. M. CARLSON	1Nov68 - Present
Utilities Officer	CWO-2 P. W. LINTS	13Jul69 - Present
Construction Officer		

4. Average Monthly Strength

<u>USMC</u>		<u>USN</u>	
<u>OFF</u>	<u>ENL</u>	<u>OFF</u>	<u>ENL</u>
30	686	2	12

PART II
NARRATIVE SUMMARY

1. During the month of September 1969, the 1st Engineer Battalion remained committed to combat engineer support missions of small unit size with four infantry regiments. The Battalion also completed 49 Division and 16 Battalion Work Orders and other engineer projects and maintained mine detection and clearing sweeps.

a. Combat engineer companies, reinforced by elements of Headquarters and Service Company and Engineer Support Company provided close combat support in unnamed operations and Project Duffle Bag. During the reporting period the 1st Engineer Battalion continued with construction of protective bunkers and cantonment improvements necessary for the re-alignment of the 1st Marine Division TAOR.

b. During the reporting period 2,597,800 meters of road in the 1st Marine Division TAOR were swept for mines. Mine sweeps of roads resulted in 38 mines and boobytraps being located and destroyed. In addition to daily mine detection and clearing sweeps, 30 rough rider convoys were supported by combat engineers of this Battalion. Also 30 special sweeps were conducted during the reporting period in support of rice denial operations and fire support base exploitation.

2. Company "A" provided close combat engineer support to the 1st Marine Regiment. On 12 September 1969, Company "A" provided 2 squads in support of the 2nd Battalion, 1st Marine Regiment, Op 007-69. In addition to operational commitments, Company "A" maintained eight mine detection and clearing sweeps and one 2 man sweep team on operation Duffle Bag. During the reporting period Company "A" remained committed to cantonment improvements in the 1st Marine Regiment, TAOR. After Action Report for 2nd Battalion, 1st Marines Op 007-69 is submitted as Tab (a) of this report.

3. Company "B" provided close combat engineer support to the 5th Marine Regiment, in the form of twelve 2 man demolition teams. In addition, Company "B" continued bunker construction and cantonment improvements for the 5th Marine Regiment and 2nd Battalion, 11th Marines at the An Hoa combat base. During the reporting period, Company "B" maintained four daily mine detection sweeps.

4. Company "C" is supporting the 7th Marine Regiment and is currently committed in providing necessary close combat engineer support to the 7th Marine Regiment on unnamed small unit operations in the Que Son area. On 16 September 1969, Company "C" provided one squad (-) and one Case 450 "Mini Dozer" for the construction of FSB Bushwack in support of 3rd Battalion, 7th Marines. Construction was completed on 21 September 1969. In addition, Company "C" is assisting in the construction of protective bunkers and cantonment improvements in the 7th Marine Regiment's TAOR. Company "C" maintains three daily mine sweep teams. After Action Report for Construction of FSB Bushwack is submitted as Tab (b) of this report.

PART III
SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

1. Personnel

a. Gains and Losses:	USMC		USN	
	OFF	ENL	OFF	ENL
Dropped:	2	63	0	0
Joined:	4	85	0	1

b. KIA WIA
1 7

2. Intelligence

a. Road and Bridge Reconnaissance. During the month of September 1969, procedures for mine sweep teams to submit daily reports of road, bridge, and culvert conditions for the routes being swept were continued. Normal reports were upgraded to include information on road, bridge, and culvert conditions in preparation for the impending Monsoon.

b. Weather. During the month of September 1969, the meteorological survey indicated the Monsoon Season was on its way. The average high temperature was 92 degrees and the average low was 76 degrees. This represents a drop of 5 degrees and 3 degrees respectively. Precipitation increased during the month by 9.59 inches. 11.29 inches of rain was received as compared to 1.70 inches for the month of August. Skies were generally clear but there was a tendency toward cloudiness during the last part of the month.

c. Mine Warfare.

(1) A total of 15,300 \$VN was paid to Vietnamese (mostly children) for the following ordnance:

<u>ITEM</u>	<u>QUANTITY</u>	<u>BOOBYTRAPPED</u>
COFRAM	20	
M79 round	53	
3.5 Rocket	1	
M26 Grenade	23	
RPG Round	2	
81mm HE	6	
60mm WP	1	
M16 magazines w/amm	3	
Chicom Grenade	20	
60mm HE	3	
105mm HE	4	
M72 Round	4	
105mm HE	3	
Variable Time Fuse	1	
4.2 inch Illumination	2	
Trip Flare	2	
106mm HE	1	
81mm Illumination	2	
2.75 inch Rocket	1	
Smoke Grenade	1	
7.62 Rounds	200	

(2) A partial explanation of the high percentage of U. S. ordnance turned in under this program and the conspicuous absence of boobytrapped devices is the possibility that either one or a combination of the following conditions exist:

(a) Exploitation of the Voluntary Informant Program by a few unscrupulous members of PF, RF, ARVN Forces in the vicinity of the turn-in locations. (Informants have been without exception children who carried ordnance to sweep teams in the vicinity of aforesaid encampments).

(b) Indiscriminate disposal of ordnance by U. S. troops or negligent loss.

d. Ordnance Destroyed.

(1) The following ordnance items were located and destroyed in place on routine mine sweeps in the 1st Marine Division TAOR:

<u>ITEM</u>	<u>QUANTITY</u>	<u>BOOBYTRAPPED</u>
105mm HE	4	2
Mine Unknown Size	1	
M26 Grenade	12	7
60mm Illumination	3	
81mm HE	2	
Milk can w/explosives	1	1
CQFRAM	1	
M72 round	3	
30 lb Box mine	2	
M79 round	27	
81mm Illumination	9	
AT mine	1	
60 mm HE	6	
Trip Flare	1	
60 lb Rock Mine	1	
Chicom Grenade	4	
AP mine	3	
60 mm WP	1	
40 lb mine	1	
105mm Illumination	1	

3. Training.

a. During the month of September 1969, a total of 452 Marines attended the (3) day Demolition, Land Mine Warfare, and Viet Cong Boobytrap School. In addition, 302 Marines received the special one day classes taught by the Mobile Instruction Team. Attendance for the period covered is as follows:

<u>UNIT</u>	<u>ATTENDANCE</u>
1st Battalion, 1st Marines	41
2nd Battalion, 1st Marines	39
3rd Battalion, 1st Marines	27
1st Battalion, 5th Marines	37
2nd Battalion, 5th Marines	36
3rd Battalion, 5th Marines	37
1st Battalion, 7th Marines	7
3rd Battalion, 7th Marines	8
2nd Battalion, 26th Marines	19
3rd Battalion, 26th Marines	67
1st Engineer Battalion	94
7th Engineer Battalion	19
1st Reconnaissance Battalion	20
2nd CAG	1

b. Mobile Instruction Team Attendance.

<u>UNIT</u>	<u>ATTENDANCE</u>
2nd CAG, III MAF	200
1st Marine Division Schools	32
2nd Battalion, 5th Marines	70

4. Operations.

a. During the period 16 September 1969 through 21 September 1969, six combat engineers and one equipment operator with Case 450 tractor supported 3rd Battalion, 7th Marines in construction of FSB Bushwack in conjunction with tactical operations in the 7th Marines TAOR. Work consisted of digging six emplacements for 105mm Howitzers and leveling an area for a helicopter landing site. There were no special problems. The operation was successfully completed. 3,200 pounds of explosives were used to loosen earth and crack large boulders, and tractor logged a total of 39 blade hours.

b. 2nd Battalion, 1st Marines Op 007-69 commenced at 0600, 12 September 1969 with Company "A" providing two squads in direct support of the 2nd Battalion, 1st Marines and attached to provide combat engineer support for the 181st RF Company during a Search and Destroy sweep in the vicinity of coordinates BTO66650. The operation was conducted from the Song Vieh River to the Cau Ha combat base. A total of 20 enemy bunkers were destroyed, 11 tunnels and 35 living quarters. All destruction was ordered and authorized by the Commanding Officer, 181st RF Company. Ordnance found and destroyed was four 105mm HE rounds and 28 Chicom Grenades. The operation terminated at 1600, 12 September 1969.

5. Water Supply. During the month of September 1969, the 1st Engineer Battalion operated twelve water points which produced 6,384,000 gallons of potable water for units throughout the 1st Marine Division TAOR. In addition, a total of 407,000 gallons of non-potable water was produced.

6. Construction.

a. The following 49 Division Work Orders were completed during the month of September 1969.

1. D500-69. Completed 8 September 1969. Provide & construct (1) 16x48 SEA hut to be used as chapel for 1st Marines.
2. D476-69. Completed 8 September 1969. Construct (2) Standard SEA huts for 7th Marines.
3. D422-69. Completed 8 September 1969. Issue (2) 10x24x8' bunkers w/flooring and lighting kit.
4. D496-69. Completed 9 September 1969. Construct and issue (6) 4-hole heads to 1/1.
5. D507-69. Completed 10 September 1969. Clear area for refugee village at Liberty Bridge.

6. D508-69. Completed 10 September 1969. Provide (1) Case 450 tractor w/operator to clear land for approximately (6) days for 3/26.

7. D514-69. Completed 10 September 1969. Furnish pipe for repairs to 3rd LVT cantonment.

8. D512-69. Completed 10 September 1969. Repair messhall as required at LZ BALDY for 7th Marines.

9. D495-69. Completed 10 September 1969. Construct and provide (1) 14x12' generator shed at LZ BALDY for 7th Marines CP.

10. D446-69. Completed 11 September 1969. Prefab (60) 4-hole heads and fabricate (320) burn cans for 7th Marines.

11. D509-69. Completed 12 September 1969. Install 24" culvert across road at Southwest corner of cantonment at Phong Luc.

12. D511-69. Completed 12 September 1969. Issue (4) 10x24x8' bunkers. Provide tech assistance only.

13. D520-69. Completed 12 September 1969. Check wiring in electrical distribution system at 1st Marine Regiment and make repairs as necessary.

14. D485-69. Completed 15 September 1969. Construct and issue (3) 4-hole heads for 1/5 at Phu Loc 6.

15. D460-69. Completed 15 September 1969. Clear trees and raise berm at Cau Ha for 1st Marines.

16. D466-69. Completed 16 September 1969. Issue (2) bunkers w/flooring and lighting kits 1st Marines at Phong Luc.

17. D114-69. Completed 17 September 1969. Repair wiring on Hill 10.

18. D422-69. Completed 19 September 1969. Issue (6) urinoils and lumber.

19. D542-69. Completed 19 September 1969. Construct and provide (18) 4-hole heads for 7th Marines.

20. D474-69. Completed 19 September 1969. Fabricate (2) sets of steel gates for Phong Luc cantonment.

21. D527-69. Completed 20 September 1969. Repair North entrance for 5th Marines. COG.

22. D523-69. Completed 22 September 1969. Remove center partition in COG and const a table for the Watch Officer at Hill 55.

23. D486-69. Completed 22 September 1969. Construct and issue (35) urinoils for 7th Marines.

24. D525-69. Completed 22 September 1969. Provide (1) 3000 gal fabric tank for 1/1.

25. D530-69. Completed 22 September 1969. Provide and install a Bus\$Bar and (2) 400 amp breaker boxes at generator shed on Hill 37.

26. D441-69. Completed 24 September 1969. Issue (12) urinoils.

27. D537-69. Completed 24 September 1969. Provide road grader w/operator for (2) days on Hill 55.

28. D492-69. Completed 24 September 1969. Provide (1) TD-18 w/operator for (14) days at Hill 65.

29. D543-69. Completed 25 September 1969. Provide (2) 5KW floodlights units for perimeter lights at Hill 55.

30. D549-69. Completed 25 September 1969. Repair BAS bunker for 5th Marines at An Hoa.

31. D533-69. Completed 25 September 1969. Rebuild pot shack at 1/1 messhall.

32. D506-69. Completed 26 September 1969. Issue and install (1) prefab metal grease trap.

33. D433-69. Completed 26 September 1969. Issue and provide tech asst to construct (1) 20x32x8' bunker w/decking and lighting package.

34. D92-69. Completed 28 September 1969. Construct gates for 2/11.

35. D552-69. Completed 28 September 1969. Issue and deliver (16) pieces 3"x12"x12".

36. D467-69. Completed 28 September 1969. Draw materials and provide tech asst in construction of (8) bunkers; (1) 20x32x8', (6) 8x12x8', (1) 10x24x8' and (1) deck and lighting kit.

37. D528-69. Completed 28 September 1969. Oil all roads in 2/26 area of operation.

38. D544-69. Completed 28 September 1969. Provide (1) Case 450 tractor w/operator and (1) demo man w/8 demo kits for 1st Recon Bn.

39. D553-69. Completed 29 September 1969. Provide (1) shower unit to 1st Marines at Tu Cau Bridge.

40. D550-69. Completed 29 September 1969. Deliver 135 cu yd 7" surge to 1st 175mm Gun Btry at Hill 34.

41. D541-69. Completed 29 September 1969. Provide (1) bath unit and move water point from North side to South side of Liberty Bridge.

42. D521-69. Completed 29 September 1969. Make pointer 24" long for DEO.

43. D426-69. Completed 29 September 1969. Construct (80) 2"x2" signs for 2/7 S-4.

44. D469-69. Completed 29 September 1969. Issue (3) bunkers 10x24x8' and provide tech asst for 3/1.

45. D505-69. Completed 1 September 1969. Oil access road to Hill 10 and road network on Hill 10.

46. D403-69. Completed 2 September 1969. Provide (4) Marines for construction of (2) sand bag walls.

47. D458-69. Completed 5 September 1969. Issue (6) 10x24x8 bunkers.

48. D498-69. Completed 5 September 1969. Dig trench lines for perimeter at Service Company, Headquarters Battalion area.

49. D518-69. Completed 6 September 1969. Issue 50 feet of 36" culvert to G-2.

b. Personnel and Materials utilized for above listed Division Work Orders.

Man hours	8481	Oxygen	550 cu. ft.
Equipment hours	1618	Acetylene	270 cu. ft.
Lumber	41,443 BF	Wire, assorted	2458 feet
10x24x8' bunker pkgs	16	Matting	29 pieces
20x32x8' bunker pkgs	4	Laterite	6 cu. yds
8x12x8' bunker pkgs	6	Sand	6 cu. yds
Deck & lighting kits	4	7" Surge	200 tons
16x48 SEA hut w/lights	1	Cement	5 bags
Tim	860 sheets	Roofing paper	16 rls.
Pipe, assorted	740 feet	Plastic	1 roll
36" culvert	6 pieces	Screen	8 rolls
24" culvert	36 pieces	Tar	30 gal
$\frac{1}{2}$ " Plywood	1399 pieces	Oil	5000 gal
Flexglass	112 sq. ft	Paint, assorted	$\frac{1}{2}$ gal
Bath Unit	1	1" Bar stock	194"
5KW Floodlight units	2	Hinges	67 pairs
Urinoils	18	3" Floor drain	1
Grease trap	1	Duck boards	6
55 gal. drums	375	Sandbags	416
electrical accessories	632		

c. The following 16 Battalion Work Orders were completed during the month of September 1969.

1. B330-69. Completed 1 September 1969. Fabricate (2) kits of steel gates for 5th Marines.
2. B333-69. Completed 1 September 1969. Repair wiring in 5 SEA huts, 1st Engrs.
3. B326-69. Completed 1 September 1969. Construct 10 safety signs.
4. B324-69. Completed 2 September 1969. Issue (1) 4-hole head prefabricated, with four burn cans.
5. B309-69. Completed 2 September 1969. Provide and construct (3) SEA huts (16x32).
6. B334-69. Completed 3 September 1969. Repair wiring in "A" Company area.

7. B329-69. Completed 4 September 1969. Repair and rewire wiring system in tanks and AmTrac area in An Hoa Combat Base.

8. B328-69. Completed 5 September 1969. Construct seven Mount Out boxes for MT.

9. B325-69. Completed 5 September 1969. Construct (21) knife rest & put in (1) 35 foot pole.

10. B332-69. Completed 10 September 1969. Fabricate (45) urinoils and issue to S-4 Lot.

11. B339-69. Completed 11 September 1969. Precut (2) strongbacks tent frames for 1st Engr MT.

12. B318-69. Completed 5 September 1969. Prepare subgrade on MT lot and Battalion Supply Lot for asphalt distribution by MCB4.

13. B322-69. Completed 15 September 1969. Relocate (1) SEA hut in HQ Company area.

14. B319-69. Completed 15 September 1969. Construct (5) knife rests.

15. B335-69. Completed 19 September 1969. Repair shower as required.

16. B341-69. Completed 22 September 1969. Construct (2) gates and (4) hinge pins.

d. Personnel and Materials utilized in completed above listed Battalion Work Orders.

Man hours	2227	Equipment hours	670
BF lumber	3956	SEA hut pkgs w/lights	3
$\frac{1}{2}$ " plywood, sheets	70 $\frac{1}{2}$	55 gal drums	19
Elec. accessories	115	Plumbing fixtures	108
3" minus rock, tons	206	Tin, sheets	7
Wire, assorted (feet)	2275	Barbed wire, rolls	8
Nails, pounds	104 $\frac{1}{2}$	3/4" pipe, feet	160
1" pipe, feet	52	2" pipe, feet	380
1" Bar stock, feet	11	Brass rods	15
Hinges	2	Tar paper, roll	1

7. Civil Affairs/Civic Action

a. During the month of September 1969, a total of 121 Vietnamese civilians (not resulting from hostile action) patients received medical assistance.

b. Donated to the people of Son Thuy I during September 1969 were 8,500 board feet of scrap lumber, 74 pounds of commodities consisting of soap, body powder, aspirin, mouth wash and bug spray. In addition, the 1st Engineer Battalion provided one transportation run to Danang for the purpose of procuring rice and other household needs.

8. Special Equipment Report.

a. During the reporting period the 2nd Battalion, 1st Marines conducted a cordon and search operation in a village in the vicinity of Marble Mountain. Four MK15 Ordnance Detectors were employed on the search operation by infantry personnel. The detectors led to the discovery of a cache of (4) 122mm rockets (buried 2 feet underground) and (4) Chicom Grenades. In addition, one platoon was able to negotiate safely a flooded rice paddy by using the MK 15 detector. On the way through they uncovered a total of (7) boobytrapped Surprise Firing Devices. Infantry personnel were trained by Engineers of this Battalion in employment of the MK 15 in less than one hour. The MK 15 is not the panacea for the enemy's mine boobytrap and ordnance threat, but it adds measurably to our countermeasure capability. There are currently four (4) such operable probes in the 1st Marine Division. The MK 15 is recommended as a T/E item for all infantry units and Combat Support Units who accompany the Infantry in the field. It is light, compact, rugged, and easily operated with minimum training time.

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

01:BCSW:rjh
3480
16 Sep 1969

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

Subj: Combat Operations After Action Report

Ref: (a) 2nd Bn, 1st Marines Op 007-69

1. Code Name: N/A

2. Date of Operation: 120600H Sep 1969 to 121600H Sep 1969

3. Location: Quang Nam Province, Republic of Vietnam, vicinity of coordinates BT066650

4. Commanding Headquarters: Commanding Officer, 2nd Bn, 1st Marines

5. Reporting NCO: Sgt Larry D. SMITH 224 08 53/1371

6. Task Organization: 1st Squad, 2nd Platoon, Company "A", 1st Engineer Bn
1st Squad, 1st Platoon, Company "A", 1st Engineer Bn

7. Supporting Arms: N/A

8. Intelligence: The enemy was found to have been utilizing family bunkers with false ceilings as a means for hiding weapons and personnel. The road sweep of the MSR extension yielded very few actual finds, but uncovered many holes that appeared to have been utilized for mines at one time. Signs indicated that the enemy removed the ordnances very rapidly a short time before the sweep. No SFD's were located in the area.

9. Mission: a. Provide combat engineer support for the 181st RF Company during sweep of area.

b. Destroy bunkers and houses as directed by 181st RF Company Commanding Officer.

c. Conduct road sweep by 0900H on D-day of MSR extension from Tu Cau Road south to BT066650.

TAB A

10. Concept of Operation: One five man sweep team moved with security from H&S Company 2/1 to conduct MSR road sweep. One combat engineer squad moved with the 181st RF Company on a west to east sweep from Song Vieh River to Cau Ha Combat Base.

11. Execution:

- The 1st Squad, 2nd Platoon of Company "A", 1st Engineer Bn moved to the 181st RF CP at 1800 on D-1.
- The 1st Squad, 1st Platoon of Company "A", 1st Engineer Bn moved with security from H&S Company, 2nd Bn, 1st Marines to begin MSR extension sweep at 0600H on D-day.
- The 1st Squad, 2nd Platoon of Company "A", 1st Engineer Bn moved with the 181st RF Company on their sweep at 0600H on D-day.
- The 1st Squad, 1st Platoon of Company "A", 1st Engineer Bn finished the road sweep at 0900H after netting a find of two 105mm HE rounds, and then joined the 1st Squad of the 2nd Platoon, 1st Engineer Bn in rendering combat engineer support to the 181st RF Company in their sweep of the area.
- The 1st Squads of the 1st and 2nd Platoon of Company "A", 1st Engineer Bn terminated their support of the 181st RF Company at 1600H on D-day after destroying 20 bunkers, 11 tunnels, and 35 living quarters, all on the command of the 181st RF Company Commander. The squads also destroyed 28 Chi Com grenades and 2 105mm rounds.

12. Results: All of the assigned missions were carried out. A total of 180 pounds of C-4 explosives were expended.

13. Administrative Matters: Engineers carried all their demolitions with them.

14. Special Equipment and Techniques: None

15. Commander's Analysis: Of the various missions outlined in paragraph 9, all were feasible and accomplished. Throughout the operation there was an excellent relationship between the RF's and the combat engineer unit. The 181st RF Company Commander utilized the engineer personnel in a correct and safe manner.

16. Recommendations: It is recommended that more joint operations be conducted in the future, to foster confidence in the RF's ability.

B C S Worley
B. C. S. WORLEY

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

RJC/drt
3480
25Sept1969

From: Commanding Officer
To: Commanding Officer, 7th Marine Regiment, 1st Marine Division
Via: (1) Commanding Officer, 1st Engineer Battalion

Subj: Combat Operation After Action Report

Ref: (a) DivO 3480.1B
(b) Map Vietnam 1:50,000 AMS Series L7014, sheet 6640IV Dai Loc

Encl: (1) List of Personnel in direct support of building Fire Support
Base BUSHWACK

1. Code Name. FSB BUSHWACK
2. Date of Operation. 161100H Sept 69 -to- 211430H Sept 69
3. Location. 016464
4. Command or Control Headquarters.
Commanding Officer, 7th Marine Regiment, Colonel CODISPOTI
Commanding Officer, "C" Company, Captain GADWILL
5. Reporting Officer. 1st Lieutenant HAYES
6. Task Organization. 3rd Bn, 7th Marine Regiment
Co "C", 1st Engineer Battalion
7. Supporting Forces. Marine Air Group 16
8. Intelligence. S-2, 7th Marine Regiment
9. Mission. Engineer Units to construct a six (6) gun FSB at 016464
10. Concept of Operation. Engineer elements to construct a FSB at Hill
484 at 016464.
11. Execution.
 - a. Prior to construction of FSB BUSHWACK a visual reconnaissance was made
by the Engineer Officer, Artillery Officer, and an Infantry Officer. An estimate
as to the amount and the type of explosives, materials and equipment was made.

146-D

RJG/drt
3480
25Sept1969

b. Construction of FSB BUSHWACK, located at Hill 484 (AT 016464). At 161100H Sept 1969 on Hill 484 six (6) Combat Engineers with a heavy equipment operator and equipment; one (1) Case 450 "Mini Dozer", started construction of FSB BUSHWACK. Six (6) gun emplacements for 105 Howitzers were constructed thirty (3) feet in diameter with three (3) feet berm walls. In addition to this one 60'x60' foot LZ was constructed in the NW corner of the FSB, and an ammunition trench was dug. In accomplishing completion of this FSB, thirty-seven (37) 40lb Cratering Charges, forty two (42) 40lb Shape Charges and 40lbs of C-4 were used. At 211430H Sept 69 FSB BUSHWACK was completed. The case 450 "Mini Dozer" had a total of 39 blade hours.

12. Results.

a. "C" Company, 1st Engineer Battalion with a squad of six (6) combat engineers and one (1) heavy equipment operator successfully constructed FSB BUSHWACK which covered an area of approximately 3000 square meters.

b. No Engineer Equipment was destroyed.

c. No Engineer casualties.

13. Administrative Matters.

a. Supply support was provided by helo-lift from LZ Baldy and was excellent. All resupply requests were made through "C" Company, 1st Engineer Battalion. Delivery of the Case 450 "Mini Dozer" was arranged by the 7th Marine Regiment Air Officer.

b. Maintenance. The only maintenance problem encountered was when the Case 450 "Mini Dozer" broke down at 211430H Sept 1969. The completion of the Mission, however, had already been accomplished.

c. Casualties. There were no Engineer casualties.

d. Transportation. Transportation to and from FSB BUSHWACK was provided by MAG-16 helicopters.

e. Communications. Communications were satisfactory in all cases with easy radio contact being made between FSB BUSHWACK and LZ Baldy.

f. Medical Evaluation. Medical treatment was provided by the corpsman with the security personnel.

14. Special Equipment.

a. The case 450 "Mini Dozer" worked very well in the construction of the FSB. It was easily heli-lifted in one piece by CH-53.

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15. Commander Analysis. There was good coordination between Engineers, infantry and artillery personnel during the construction of FSB BUSHWACK. This helped greatly in determining the exact requirement for the fire support base. There was some time lost due to heavy rains and wet ground made it extremely difficult for the "Mini Dozer" to work. The Case 450 "Mini Dozer" did most of the work on FSB BUSHWACK because the only demolitions work required was loosening the ground and destroying large rocks.

R. J. Gadwill
R. J. GADWILL

[REDACTED]
List of Personnel in Direct Support of Fire Support BUSHWACK

1stLt T. W. HAYES 0106840
SSgt N. BERNAL 1395669
Sgt E. L. FILKENTON 1882130
Cpl D. N. HOOPER 2315779
LCpl J. G. PORTILLO 2445941
LCpl BROWN 2434334
PFC E. J. KLUSKA 2503449
PFC O'BRIEN 2072616
PFC JONES 2509126

[REDACTED]
ENCLOSURE (1)