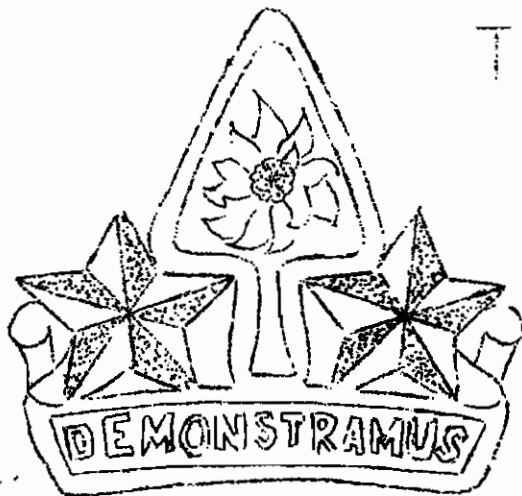
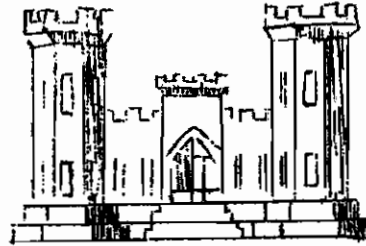


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OPERATIONAL
REPORT
LESSONS
LEARNED



THIRTY FIRST
ENGINEER
BATTALION
COMBAT (A)

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(b) EVALUATION: Use of soil cement for pothole repairs on forward airfields resulted in several instances of failure. The methods of placement used were in-place mixing and hand batching.

(c) RECOMMENDATIONS: Excellent results were obtained by use of a 16s mixer towed behind a 3/4 ton truck. The laterite and cement were dry mixed in the 16s and towed from pothole to pothole. This method gave a uniform and well controlled mix as well as increased mobility. A crew with hand compactors and a water distributor followed the 16s to complete the patchwork.

(2) Dust Pallatives:

(a) OBSERVATION: Slow curing MC70.

(b) EVALUATION: MC70 applied as a final surface treatment at Duc Hue airfield would for all practical purposes not cure. The airstrip was constructed of a clay base course with a laterite cap. Sand had to be rolled into the MC70 several times to dry it out.

(c) RECOMMENDATIONS: If an asphaltic outback is deemed necessary, an RC grade should be used in lieu of an MC grade due to its poor penetration into laterite.

(3) M8A1 Matting Removal:

(a) OBSERVATION: M8A1 matting is not easily removed after time in service, during when much welding was performed for maintenance.

(b) EVALUATION: Once the locking tabs have bent down and the matting secured, it is very time consuming to attempt a piece by piece removal, particularly after repair welding has been done.

(c) RECOMMENDATIONS: Time is gained by cutting the old matting with torches in approximately 30x40 sections, rolling it with a bucket loader and loading it onto a lowbed trailer with a crane. These rolls can be transported to other sites where they can be unrolled and reused as storage pads, maintenance hardstands, etc.

(4) Field Expedient - "O" rings for International 3414 backhoe.

(a) OBSERVATIONS: Non-availability of "O" rings for I3414 backhoe.

(b) EVALUATION: Under field conditions the "O" rings in the I3414 backhoe do not stand up under extended periods of operation.

(c) RECOMMENDATIONS: In order to keep a job moving while awaiting replacement "O" rings, ordinary rubber bands or rings cut from old inner tubes can be used as a field expedient.

(7)

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BY 1116 WMC/DAK/CHP

SECTION: I. OPERATIONS: SIGNIFICANT ACTIVITIES:

- a. Command: LTC George N Andrews continued as Battalion Commander.
b. Personnel, Administration, Morale, and Discipline:

(1) At the end of the reporting period the strength of the battalion, including attached units, was 100% of that authorized. The monthly strength figures for the quarter are shown below.

	<u>STRENGTH</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>
31 May 1969	AUTH	42	4	949	995
	ASGD	39	4	929	972
30 June 1969	AUTH	42	4	949	995
	ASGD	39	4	933	969
31 July 1969	AUTH	42	4	949	995
	ASGD	40	4	939	983

(2) Shortages by MOS in the Battalion this reporting period are indicated in the following charts:

<u>PMOS</u>	<u>AUTH</u>	<u>ASGD(MAY)</u>	<u>ASGD(JUN)</u>	<u>ASGD(JUL)</u>
12B40	88	53	51	52
12Z50	7	8	7	5
31G40	5	2	3	3
62N50	1	0	0	0

(3) The following charts list losses and gains during the quarter:

<u>LOSSES</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>AGG</u>
CONUS Rotation	12	2	164	178
Infusion	2	0	0	2
Miscellaneous	0	1	48	49
TOTAL	14	3	212	229

<u>GAINS</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>AGG</u>
CONUS Replacements	5	2	146	153
Infusion	2	0	0	2
In-country Rsgs	2	0	20	22
TOTAL	9	2	166	177

(4) Thirty-three personnel extended their foreign service tours:

<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>
0	0	33	33

(1)

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 BY: 1180 MAF/DAW/STP/STP

(5) The following awards were presented to 31st Engineer Battalion personnel:

<u>MEDALS</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>
Bronze Star	12	1	7	20
Army Commendation	3	0	16	19
Purple Heart	0	0	8	8

(6) The following enlisted promotions were made to the grade indicated:

	<u>E4</u>	<u>E5</u>	<u>E6</u>	<u>E7</u>	<u>E8</u>	<u>E9</u>	<u>TOTAL</u>
May	40	22	3	0	0	0	65
June	18	18	1	1	1	0	39
July	137	47	2	0	0	0	186

(7) Disciplinary Cases:

	<u>ART 15</u>	<u>SCM</u>	<u>SPCM</u>	<u>TOTAL</u>
May	8	0	1	9
June	21	0	1	22
July	2	0	1	3

(8) Reenlistment during this period was:

	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>
First Term	1	7	3
Career	1	0	0

(9) In the morale area the allocation for Rest and Recuperation Leave receive and filled by personnel of the battalion are shown below:

<u>LOCATION</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>TOTAL</u>
Australia	12	8	14	34
Bangkok	7	12	15	34
Hawaii	14	17	17	48
Manila	1	1	1	3
Taipai	7	6	7	20
Kuala Lumpur	0	CANCEL***		0
Singapore	4	0	2	6
Tokyo	1	1	3	5
Hong Kong	6	5	6	17
Penang	0	0	0	0
Sub-total	<u>52</u>	<u>50</u>	<u>65</u>	<u>167</u>
zIn-country	<u>3</u>	<u>4</u>	<u>4</u>	<u>11</u>
TOTAL	55	54	69	178

c. Intelligence and Counterintelligence:

(1) All intelligence data is received from G2 1st Cav Div (AM) and IIFV intelligence summaries.

(2)

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AVBI-08 (8 Aug 69) 2nd Ind

SUBJECT: Operational Report of the 31st Engineer Battalion (Combat)
for the Period Ending 31 July 1969, RCS CSPOR-65(R1)

DA, HEADQUARTERS, 20TH ENGINEER BRIGADE, APO 96491

TO: Commanding General, United States Army Vietnam,
ATTN: AVBGC-DST, APO 96375

1. Submitted in accordance with USAHV Regulation 525-15, dated 13 April 1968.
2. Subject report for the 31st Engineer Battalion (Combat) has been reviewed and is considered adequate.

FOR THE COMMANDER:

S. S. KENNEDY
Major, AGC
Adjutant

Copies Furnished:
CO, 79th Engr Co
CO, 31st Engr Bn

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FORM 2 (9 Aug 67) 1st Ind
SUBJECT: Operational Report of the 31st Engineer Battalion
For the Period 1 May 1969 through 31 July 1969

TO: Headquarters, 79th Engineer Group, APO 96491

FROM: Commanding General, 20th Engineer Brigade, ATTN: AV-1-03,
APO 96491

1. The operational report of the 31st Engineer Battalion has been reviewed and additional comments are as follows:

Reference Section III a, 2b, page 7r. The MFC application at the Duc Hoo Airfield was placed too thick to allow for normal curing. The slow curing was not a result of the type of cut back used.

2. This report is considered to be an adequate summary of the Battalion's operational experience during the report period. The report is submitted in accordance with USARV Reg 525-15, dated 1 April 1968.

FOR THE COMMANDER:



SHIGETOSHI MORITA
CPT, AGC
Adjutant

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DATE 10/10/2001 BY 1043

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DEPARTMENT OF THE ARMY
HEADQUARTERS, 31ST ENGINEER BATTALION (C)(A)
APO San Francisco 96490

EGEA-3

8 August 1969

SUBJECT: Operational Report Lessons Learned of HQ, 31st Engineer Battalion (C)(A)
for the period ending 31 July 1969 RCS CSFOR-65

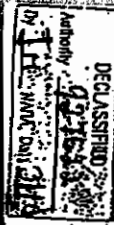
THRU: Commanding Officer
79th Engineer Group (Const)
ATTN: EGE-3
APO 96491

Commanding General
20th Engineer Brigade
ATTN: AVBI-OS
APO 96491

Commanding General
US Army Vietnam
ATTN: AVRGC-CST
APO 96375

TO: Commander-in-Chief
US Army Pacific
ATTN: GPOP-DT
APO 96558

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FOR THE COMMANDER ONLY

AVHGC-DST (13 Nov 69)

SUBJECT: Operational Report Lessons Learned-HQ, 31st Engineer Battalion (C)(A) for the period ending 31 Oct 1969 RCS CSFOR-65 (R2)

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco 96375 31 DEC 1969

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

1. This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 October 1969 from Headquarters, 31st Engineer Battalion (C)(A).

2. Comments follow:

a. Reference item concerning "16S Concrete Mixer", page 9, paragraph c(2); nonconcur. This is an unauthorized modification. A guide should be used to direct equipment when the operator's vision is limited. The 16S mixer operator should perform this function. Additionally, a wheel stop should be employed to limit the approach of the bucket loader. Recommended equipment modifications should be submitted in accordance with paragraph 3-7.4, TM 38-750.

b. Reference item concerning "Field Expedient Crane", page 10, paragraph c(4) and 2d Indorsement, paragraph 2b; concur. This will provide an emergency field expedient. Close supervision must be exercised and the allowable load determined considering the length and condition of the boom, the angle of the boom, and the change of center of gravity of the loader. Continuous judicious use should not cause increased maintenance problems with the bucket loader.

FOR THE COMMANDER:

2 Incl
nc

B. A. GOODWIN
MAJ, AGC
Assistant Adjutant General

31 DEC 1969

0800

Cy furn:
31st Engr Bn
20th Engr Bde

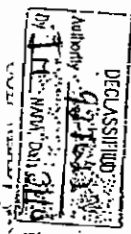
MFR: ORLL was staffed through:
ENGR: MAJ Ryan/4750
C4: MAJ Baker/4142

ACTION OFFICER: MAJ HENDRICKS/dle/4433

CONCURRENCE/NONCONCURRENCE: Not required.

Suitable for Commander's Notes: Yes/No

2 JAN 1970



RECORD COPY RETURN TO AVHGC-DST

978

228-03

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BY: [illegible]

concrete foundation should be used to provide the necessary bearing surface.

(L) Field Expedient Crane:

(a) Observation: At a remote location a crane was necessary to erect a
y

(b) Evaluation: A Field Expedient was necessary in order to have construction proceed. The only equipment available on site was a scoop loader.

(c) Recommendation: As an expedient, a 6x12 wooden member about 20 ft. long was clamped to the jaws of the bucket loader. The middle of the member was guyed back to the bucket with chains. A block and tackle was rigged on the end of the boom. The maneuverable hydraulics of the loader enabled adequate mobility to lift members of the tower into place (See sketch).

d. Organization:

(1) Observation: The battalion utilized a great deal of effort in support of airmobile operations.

(2) Evaluation: Airmobile equipment support is greatly hampered due to a lack of qualified personnel, repair parts and replacement items.

(3) Recommendation: The airmobile equipment should be eliminated from this battalion and pooled at a higher level. Provision for continued use of this equipment should be made in a specially designed organization with adequate parts and replacement support.

e. Training: None


f. Logistics: None

g. Communication: None

h. Material: None

i. Other: None

- 2 Incl
- 1. Sketch
- 2. Organization Chart



GEORGE H. ANDREWS
LTC, CE
Commanding

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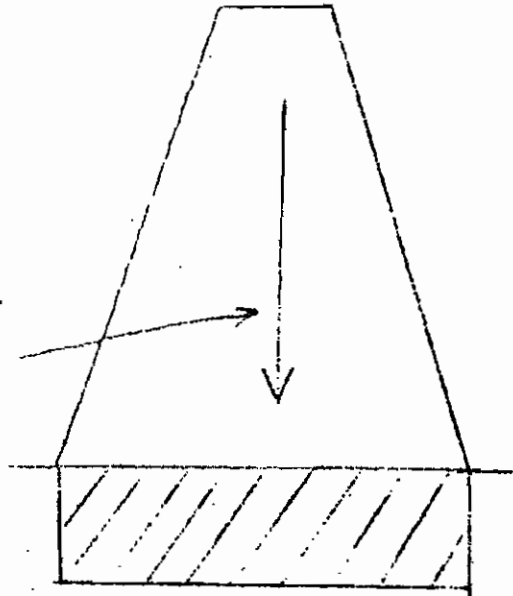
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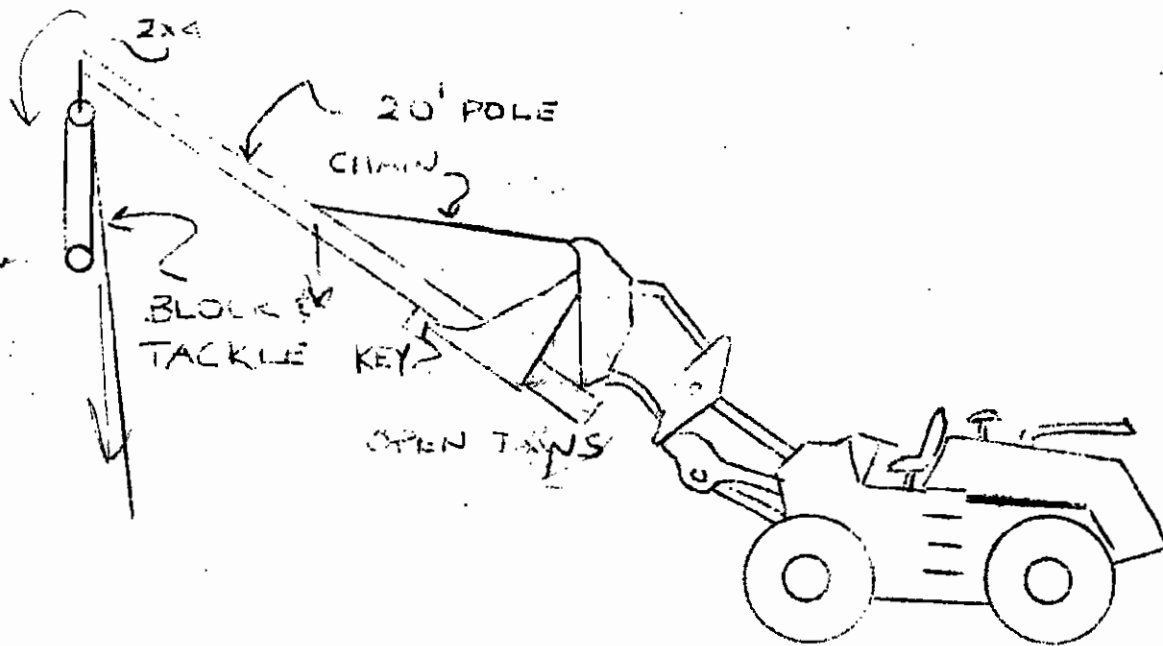
SOIL REACTION DIAGRAM

RESULTANT OF FORCES



SOIL REACTION DIAGRAM

REVETMENT FAILURE



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(2) During the last reporting period the S2 section's main activities were minesweeping LTL1A from Phuoc Vinh to the Song Be Bridge. The S2 section also conducted recons for suitable sources of laterite for roads and airfields within III CTZ and provided security for numerous 31st Engr Bn convoys between Phuoc Vinh and Dong Xoai.

d. Plans, Operations, and Training:

(1) Operational Support: During the reporting period 90% of the total battalion effort was devoted to operational support missions. Approximately 75% of the total battalion effort was expended in support of the 1st Cav Div (AM). There were three basic types of Operational Support Missions:

(a) Direct support of combat operations.

(b) Deliberate construction to support future operations.

(c) Troop, equipment and material support to MACV and IIFV for construction and maintenance of existing roads, airfields, fire support bases, and MACV advisor housing.

(2) Lines of Communication (LOC): Deliberate road restoration and emergency road repair were conducted. Approximately 1% of the total battalion effort was expended on LOC work during the reporting period.

(3) Base Construction: The battalion effort expended on base construction increased to 7%. This was due to increased emphasis on MACV projects and 1st Air Cav Div base camp requirements at Phuoc Vinh.

(4) Design and Construction Engineering: The design requirements remained at approximately the same level as last quarter. Due to the emphasis placed on quality control, designs, and site plans are required for all projects.

(5) Training:

(a) Special classes are being taught within the battalion from time to time to improve proficiency in certain areas. These classes include: Anti-sapper Training, Radio-telephone Procedures, and Rigging of Airmobile Equipment and Supplies for Movement by Rotary Wing Aircraft.

(b) Training is also conducted by 79th Engr Gp for the 31st Engr Bn. This training includes: PLL, TARES, Design, Critical Path Method, and various reporting procedures required by Group.

(c) All replacements for the 31st Engr Bn are receiving 3 days of training at the 1st Air Cav Div Training Center located in Bien Hoa.

oe Logistics and Maintenance:

(1) Maintenance: The average deadline rate for the battalion during the quarter has been 11.5 overall and 16.9 on critical items, as shown below:

(3)

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BY: 60322/UC/STP

k. Company B, 31st Engineer Battalion:

(1) Command: Cpt. Andrew Mueller continued as Company Commander.

(2) Operations: Bravo Company, with its headquarters at Quan Loi, completed the ASP in Quan Loi and the repair of An Loc Bridge on QL 303. MER consisting of showers, latrines, and hardstands was accomplished for the 1/9 and 2/20 of the 1st ACD at Quan Loi. The third platoon remained at Song Be where construction continues on the MACV Housing project. Presently at Song Be MACV, the underground TOC and BOQ are complete. The 20x100 two story EM billet, Officers' latrine, EM and Officer septic tanks and drain fields, medical bunker, and maintenance building are all under construction and progressing on schedule towards a 31 Dec completion date.

During the month of October, it was necessary to reinforce the MACV project with added effort and furnish a platoon in support of the expansion of FSB Buttons in the vicinity of Song Be. Therefore, the entire company was moved to Song Be via C-130 sorties and one convoy on 7 October.

Presently, two platoons of Bravo Company are at work on the MACV Housing project while the third remains under OPCON of Delta Company for work at LZ Buttons.

l. Company C, 31st Engineer Battalion (C)(A):

(1) Command: Cpt. Karl R. Woodruff continued as Company Commander.

(2) Operations: During this reporting period, Charlie Company's efforts were devoted to construction of two 80x144 aircraft maintenance hangars and a mess hall composed of two 40x100 Pascoe Buildings, all in support of the 1st ACD in Phuoc Vinh. The two aircraft hangars were first dismantled in Dong Tam, then convoyed to Phuoc Vinh, where they were re-erected in support of Project OQQ, the decentralized aircraft maintenance concept.

The Mess Hall was composed of two Pascoe buildings (40x100) erected adjacent to one another with a connecting concrete slab. The slabs, building erection and all electrical was constructed by C Company for the 1st Squadron, 9th Cavalry of the 1st Air Cavalry Division.

m. Company D, 31st Engineer Battalion (C)(A):

(1) Command: Cpt. Christos A. Dovas continued as Company Commander.

(2) Operations: The first platoon of Delta Company finished its work repairing Tonle Cham Airstrip by early September. The runway was patched using soil-cement stabilization and then penetrated. At Phuoc Vinh the remainder of the company was at work placing concrete pads for mess hall, showers and latrines for the 227th Helicopter Battalion of the 1st Air Cavalry Division. On 10 Aug, the second platoon moved to Blackhorse where it remained until 19 August, dismantling 9 Adams Huts for movement to Quan Loi. The huts were transported to Quan

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Loi where Bravo Company was in the process of placing concrete slabs for foundations. The Adams Huts were then reassembled and the project was completed on 22 Sep 69.

Early in October, Delta Company was alerted for a major construction effort at FSB Buttons. On 5 October, a major convey consisting of 200 engineer vehicles was assembled and the second and third platoons moved out for FSB Buttons with a major portion of the lumber, sand, and aggregate required for the project. The scope of this project consists of a 750 Ton Ammunition Supply Point, 15 four-head showers, 20 four-hole latrines, 3 TOC's, a medical bunker, 2 AH-1G helicopter rearmpoints, CH-47 and UH-1 refuel areas, 7 mess hall pads, approximately 81,000 square yards of hardstands, 7500 linear feet of perimeter berm, 5 guard towers and 12,000 linear feet of roadway. The required completion date is 31 Dec 69. At the end of this reporting period the project is 20% complete, on schedule, and moving smoothly.

Throughout this period, Delta Company provided Airmobile Dozer Support (D5 and D2) at the following locations: FSB Frieda, FSB Sedgwick, Xuan Loc, Duc Phong, and four other classified locations.

n. 557th Light Equipment Company, 31st Engineer Battalion (C)(A):

(1) Command: 1st Lt. John A. O'Brien replaced Cpt. James P. Reynolds as Company Commander on 18 Oct 69.

(2) Operations: The 557th LE Company has provided the 31st Engineer Battalion with the equipment necessary to fulfill our massive earthwork requirements. During the period 20 Aug 69 to 31 Oct 69, the first platoon remained at Thunder III FSB on a combat support basis to repair and maintain Route QL-13 from Chon Thanh to Quan Loi. As a result of their efforts, this road never failed to pass traffic in the heaviest part of the rainy season. In Phuoc Vinh, support was provided for earthwork on a vehicle POL point under construction by the 31st Engineer Battalion. The second platoon was located at Quan Loi in support of Bravo Company where maintenance hardstands were constructed for 1st ACD MER.

Additional missions of the 557th LE Co have been the operation of a laterite pit in Phuoc Vinh for fill requirements as well as the operation of a concrete batch plant utilizing MCA-LOC Transit-Mix Trucks. To date this plant has produced approximately 1000 cy of concrete since beginning operation on 2 Sep 69.

At the present the 557th has one platoon at FSB Buttons in support of the 2nd Brigade of the 1st ACD and their expansion of this site. Another platoon is preparing to move to FSB Buttons to reinforce the horizontal effort there in early November. The remainder of the 557th will continue support missions in Phuoc Vinh on the helicopter refuel site, vehicle POL point and the repair of the Phuoc Vinh Taxiway.

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SECTION II: LESSONS LEARNED: COMMANDERS OBSERVATION, EVALUATION, AND RECOMMENDATIONS:

a. Personnel: None

b. Intelligence: None

c. Operations:

(1) Gun Pad Failures:

(a) Observation: Repeated failures of heavy (175 & 155 mm) Gun Pads.

(b) Evaluation: Upon investigation it was found in all cases that the failures occurred in pads constructed with a laterite fill over 6" minus rock for use in absorbing the recoil. The laterite had washed through the voids and formed a cohesive mass which is not effective in absorbing the recoil.

(c) Recommendation: Use well washed 6" minus rock only, without laterite, for the construction of heavy gun pads. This size rock provides a sufficient void ratio to allow for absorption of the recoil.

(2) 16s Concrete Mixer:

(a) Observation: Damaged water pumps and gear boxes on the rear of the 16s mixer.

(b) Evaluation: Frequently, a bucket loader is employed in conjunction with a 16s mixer for carrying the concrete to a nearby site for placement. It was noted that the teeth of the bucket often bumped the water pump and gear boxes of the 16s mixer due to the limited visibility of the operator when undergoing this operation.

(c) Recommendation: For protection of the 16s, weld a guard frame of angle iron around the gear box and water pump.

(3) Revetment Failures:

(a) Observation: Failure of unsymmetrical, trapezoidal cross section, revetments.

(b) Evaluation: Failure of earth fill revetments of unsymmetrical cross section is due to the location of the resultant force vector which does not pass through the center of the base. The result is a greater load on one area of the foundation soil and therefore, a proportionately greater consolidation and hence, more settlement on one edge yielding a top heavy structure (See sketch).

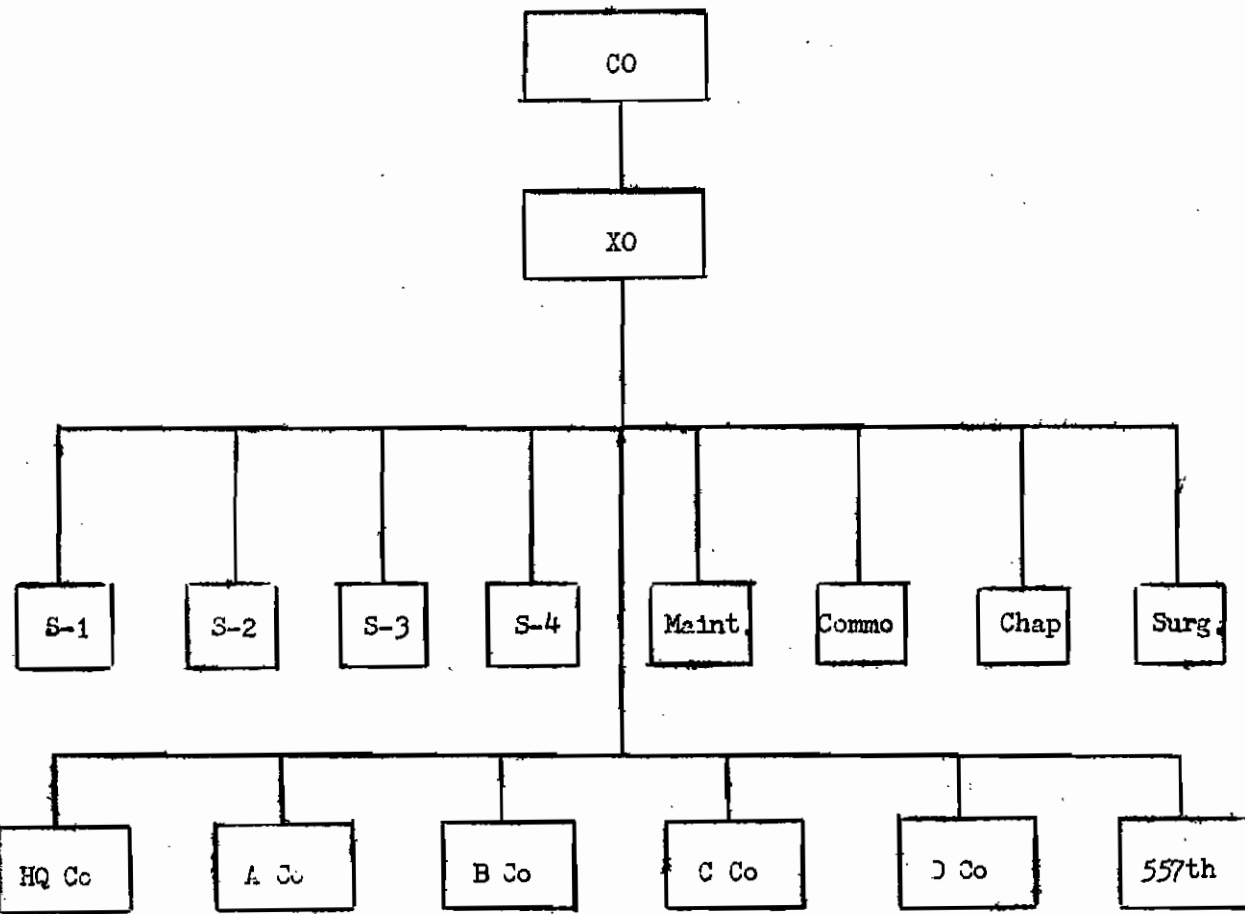
(c) Recommendation: All free standing revetments should be symmetrical in cross section. If a nonsymmetrical cross section revetment is employed, a

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ORGANIZATION CHART - 31ST ENGINEER BATTALION (C)(A)

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Inclosure 2

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AVBI-OS (13 Nov 69) 2nd Ind

UBJECT: Operational Report of 31st Engineer Battalion (CBT) for
Period Ending 31 October 1969

DA, HEADQUARTERS, 30TH ENGINEER BRIGADE, APO 96491 07 DEC 1969

TO: Commanding General, United States Army Vietnam, ATTN: AVH3C-OST,
APO 96375

1. Submitted in accordance with USARV Regulation 525-15, dated
13 April 1968.

2. This headquarters concurs with the submitted report with the
following comments:


a. Section I, paragraph f(4), page 5: Unit aviation support is
provided based on Group requests and availability of assets. Priorities
are established by the Group headquarters. Due to the present
configuration of the 31st Engineer Battalion, it has been suggested
that fixed wing aircraft be utilized. Aviation support for the
airfield upgrade program has been considered and will be requested
through IIFV when the program is initiated and actual requirements
are determined. Aircraft availability should greatly improve upon
receipt of the new OH-58A aircraft by March 1970.

b. Section II, paragraph c(4), page 10: From the diagram at
Inclosure 1, it is not clear what the forces on the bucket parts and
hydraulic ram brackets would be when even a moderate load is suspended
at a distance of 15 to 20 feet out on the pole. The weight of the
pole itself must also be considered. It appears that continuous use
of this field expedient would result in maintenance problems with
scoop loaders.

c. Section II, paragraph d, page 10: This matter is currently
under study at this headquarters. Several proposals are under
consideration, including MIOE action and airmobile equipment pool
support.

FOR THE COMMANDER:

2 Incl
nc


J. B. KENNEDY
MAJ, AGC
Adjutant

2CF:

CO, 79th Engr Bn
CO, 31st Engr Bn

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AVHGD-POM (11 Dec 69)


SUBJECT: Analysis and Evaluation of Operational Reports - Lessons Learned
for 31st Engr Bn

TO: ACofS, G3

FROM: ACofS, G4

DATE: 16 DEC 1969 CMT 2
MAJ BAKER/ljd/4142

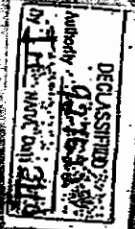
Reference item concerning "Operations", sec II, page 10, para d and 2d Ind,
para 2c: Concur with action being taken by 20th Engineer Brigade to study
the recommendation. No action is required by this or higher headquarters.


for ARLO E. ABBOTT
Colonel, GS
ACofS, G4

2 Incl
nc

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APO San Francisco 96490

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DATE: 08/14/01
BY: [illegible]

EGEA-3

13 November 1969

SUBJECT: Operational Report Lessons Learned - HQ, 31st Engineer Battalion (C)(A)
for the period ending 31 Oct 1969 RCS ESFOR-65 (R2)

THRU: Commanding Officer
79th Engineer Group (Const)
ATTN: EGE-3
APO 96491

Commanding General
20th Engineer Brigade
ATTN: AVHI-OS
APO 96491

Commanding General
US Army Vietnam
ATTN: AVHGJ-D3T
APO 96375

TO: Commander-in-Chief
US Army Pacific
ATTN: GPOP-JT
APO 96558

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 Authority: 48 CFR 1.101
 DATE: 11/11/2011

SECTION I: OPERATIONS: SIGNIFICANT ACTIVITIES:

a. Command: LTC George N. Andrews continued as Battalion Commander.

b. Personnel, Administration, Morale, and Discipline:

(1) At the end of the reporting period the strength of the battalion, including attached units, was 94% of that authorized. The monthly strength figures for the quarter are shown below:

	<u>STRENGTH</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>
31 Aug 69	AUTH	42	4	948	994
	ASGD	34	4	960	998
30 Sep 69	AUTH	42	4	948	994
	ASGD	42	4	968	1014
31 Oct. 69	AUTH	42	4	948	994
	ASGD	40	4	890	934

(2) Shortages by NOS in the Battalion this reporting period are indicated in the following charts:

<u>PMOS</u>	<u>AUTH</u>	<u>ASGD(AUG)</u>	<u>ASGD(SEP)</u>	<u>ASGD(OCT)</u>
12B40	88	63	59	56
12Z50	7	6	7	5
63C40	7	4	4	4
94B40	6	5	3	3

(3) The following charts list losses and gains during the quarter:

<u>LOSSES</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>AGG</u>
CONUS Rotation	14	0	122	136
Infection	0	0	0	0
Miscellaneous	<u>1</u>	<u>0</u>	<u>76</u>	<u>77</u>
TOTAL	15	0	198	213

<u>GAINS</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>AGG</u>
CONUS Replacements	15	0	42	57
Infection	0	0	0	0
In-country Rsgs	<u>5</u>	<u>0</u>	<u>73</u>	<u>78</u>
TOTAL	20	0	115	135

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 DATE: 11/14/01

(4) The following awards were presented to 31st Engineer Battalion personnel:

<u>MEDALS</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>
Silver Star	1	0	1	2
Bronze Star	15	1	12	28
Bronze Star (valor)	0	0	5	5
Army Commendation	3	0	26	29
Purple Heart	<u>1</u>	<u>0</u>	<u>13</u>	<u>14</u>

(5) The following enlisted promotions were made to the grade indicated:

	<u>E4</u>	<u>E5</u>	<u>E6</u>	<u>E7</u>	<u>E8</u>	<u>E9</u>	<u>TOTAL</u>
Aug	93	63	3	0	0	0	159
Sep	39	22	2	0	0	0	63
Oct	17	24	0	0	0	0	41

(6) Disciplinary Cases:

	<u>ART 15</u>	<u>SJM</u>	<u>SPCM</u>	<u>GENEM</u>	<u>TOTAL</u>
August	12	0	2	0	14
September	29	0	4	0	33
October	25	0	2	0	27

(7) Reenlistment during this period was:

	<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>OCTOBER</u>
First Term	2	5	1
Career	2	0	2

(8) Allocation for R&R received and filled by personnel of the Battalion are shown below:

<u>LOCATION</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>TOTAL</u>
Australia	14	12	12	38
Bangkok	13	12	10	35
Hawaii	18	15	15	48
Manila	1	2	1	4
Taipai	6	5	7	18
Singapore	2	4	3	9
Tokyo	3	4	3	10
Hong Kong	7	6	12	25
Penang	0	2	0	2
SUB-TOTAL	<u>64</u>	<u>62</u>	<u>63</u>	<u>189</u>

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 Authority: 48 CFR 1.101
 DATE: 11/11/2011
 BY: 60322
 11/11/2011

<u>LOCATION</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>TOTAL</u>
In-Country	<u>5</u>	<u>4</u>	<u>5</u>	<u>14</u>
TOTAL	69	66	68	203

(9) 105 personnel extended their foreign service tours:

<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>
0	0	105	105

c. Intelligence and Counterintelligence:

(1) All intelligence data is received from G2 1st Cav Div (AM) and IIFV intelligence summaries.

(2) During this quarter the S-2 Section's activities consisted of a daily minesweep of LTL-1A from Phuoc Vinh to the Song Be Bridge. Reconnaissance was made for suitable sources of laterite to fulfill the 31st Engineer Battalion earthwork requirements. In addition, the S-2 section conducted security inspections within the Battalion and provided security for convoys and job sites in the vicinity of Phuoc Vinh.

d. Operations and Training:

(1) During this reporting period the Battalion's effort was utilized in the following areas:

Combat Support	10%
Operational Support	30%
Base Construction	40%
Lines of Communication (LOC)	1%
Maintenance	13%
Security	6%

(2) Base construction effort has increased this quarter due to greater effort on MACV projects and the construction of helicopter hangars for decentralized aircraft maintenance for the 1st Air Cavalry Division.

(3) The 31st Engineer Battalion places great emphasis on good construction management techniques. Critical paths and main task schedules are minimum requirements for all project work involving more than one platoon week's effort. Quality control is emphasized throughout the chain of command.

(4) Despite the intense project workload of the 31st Engineer Battalion, all training requirements were satisfied. Additional training was given in the field of preventive maintenance in an effort to attain better maintenance procedures. All replacements of the 31st continue to receive a three day orientation training course at the 1st ASD training center in Bien Hoa. During this reporting period the Battalion was engaged in operations for a total of 90 days and training for 2 days.

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BY

e. Maintenance and Logistics:

(1) Maintenance: This quarter, the 31st Engineer Battalion maintained an average of 12.9% deadline for critical equipment and 11.2% overall, as shown below:

	<u>CRITICAL</u>	<u>OVERALL</u>
August	9.8%	8.5%
September	13.3%	10.3%
October	15.8%	14.9%

(2) Supply: There were only minor problems in the supply system this period. Construction materials were provided on a timely basis with few exceptions. The most critical shortages during this period were cement and plumbing items. Major materials issued during this period were:

<u>MATERIAL</u>	<u>QUANTITY</u>
4x12 lumber	34,130 BF
3x lumber	24,659 BF
2x4 lumber	53,776 BF
Cement	18,169 BGS

f. Command Management:

(1) During this reporting period the 31st Engineer Battalion has undertaken several large scale operations. One project, involving most of the Battalion, consisted of a combat support mission for emergency repairs to Route LTL-1A, the MSR for the 1st ACD at Phuoc Vinh which had been heavily damaged by rain, including complete washout in some areas. By exercising good command management techniques the mission was accomplished and the road reopened in minimum time. All equipment was pooled and each company was designated a specific task. One company was responsible for all haul requirements, another devoted its efforts to prefabrication of culvert and a third concentrated on manual work on the site. The Light Equipment Company supervised all equipment and pit operations. Team work such as this has added immeasurably to the "Esprit de Corps" for the 31st Engineer Battalion. Other missions requiring the bulk of this unit's resources have been four convoys to Song Be in support of the expansion of FSB Buttons and the MACV Advisory Housing Project. The route to Song Be passes through very insecure areas. Initially, each convoy had to be as large as possible to take maximum advantage of the available security. As a result of this unit's efforts to open the road, convoys are now run on a frequent basis by many other units. The organization of the convoy, as well as the immediate command and control and coordination with 1st ACD security forces, was provided by the 31st. Experience gained by officers and men of the 31st from such Battalion-sized missions is invaluable.

4
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Authority: 25 CFR 172.16
DATE: 03/14/00
BY: 3808

(2) Summary of Major Construction Projects:

<u>TITLE</u>	<u>SCOPE</u>
OQO Hangars	Two 80x144 hangars were disassembled at Dong Tam and reassembled at Phuoc Vinh. One 40x96 Pascoe hangar was erected. Project complete.
QL-13	One platoon from 557th maintained this road from Chon Thanh to Quan Loi throughout the reporting period.
1/9 Mess Hall	Two 40x96 Pascoe buildings were erected for a mess hall at Phuoc Vinh.
371st TOC	One 40x48 bunker was completed.
MACV Song Be	Work continued throughout the period on extensive living and working facilities.
MACV Duc Phong	Hardened billet area with electrical and plumbing facilities was completed.
FSB Buttons	Work started in October on extensive base facilities for brigade headquarters area.
LTL-1A	Battalion-sized effort committed for five days to open a severely damaged MSR.

(3) Members of this battalion feel that the keynote to this unit's success has been responsiveness. The bulk of the battalion's effort is allocated to support of the 1st Air Cavalry Division. In order to keep pace with this vibrant, fast-moving Combat Division and lend proper engineer support, operations have to be flexible and rapid. This attitude has been inculcated throughout the ranks. As a matter of routine, combat support missions are often assigned which require immediate reaction. Good planning, swift mobilization and rapid execution have done much to create a good image of this unit throughout the area of operations.

(4) Command management is hampered due to lack of necessary aircraft support. The area of operations for the 31st Engineer Battalion is extensive (approximately 100km x 100km). The majority of the project sites are in remote insecure areas which are inaccessible by roads. Therefore, some type of aircraft is required for command and control on a continual basis. Additionally, present plans in the 79th Group call for an intensive program of upgrading forward airfields. It is expected that the 31st will be tasked for the bulk of this work. Without increased aircraft support, the program will be in danger of unnecessary delays due to a paucity of command and staff visits by this headquarters as well as normal resupply. The problem has been recognized by higher headquarters, however, the availability of aircraft remains virtually unchanged.

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Authority: 25 CFR 172.16
DATE: 11/11/01
BY: 1043

g. Civil Affairs:

(1) The Battalion continued its program of Medcaps in the villages surrounding Phuoc Vinh. The Medcaps are held approximately once every other week with an average of 30 patients per visit. Each Medcap employs the Battalion Surgeon, 2-3 medics and 4 EM for security.

(2) The Battalion was able to utilize dump trucks in a "back-haul" from a convoy to Song Be to transport 75 tons of rice in support of the MACV Advisory program. The rice was delivered to Dong Xoai from the Phuoc Binh Province in Song Be.

h. Civilian Personnel Affairs: The continued use of local nationals for prefab operations and KP has been without incident. Daily Hires have been utilized as the need requires for use in filling sandbags, grass cutting, etc. This operation has also been conducted without incident.

i. Headquarters & Headquarters Company, 31st Engineer Battalion (C)(A):

(1) Command: Cpt. Michael A. Smith replaced 1st Lt. James C. Hamm as Company Commander on 1 Sep 69.

(2) Operations: Headquarters Company continued its mission to support the line companies with heavy equipment and maintenance assistance. The OQO hangar construction projects in Phuoc Vinh depended a great deal on the crane support from the Heavy Equipment Section. During emergency repair work on LTL-1A the equipment of HQ Company provided the necessary support to reopen this MSR for the 1st Air Cavalry Division units in Phuoc Vinh.

j. Company A, 31st Engineer Battalion (C)(A):

(1) Command: 1st Lt. Robert P. Mackey replaced 1st Lt. Terry Simmons as Company Commander on 3 Aug 69. Cpt. Thomas A. Sheehy replaced Lt. Mackey on 10 Aug 69.

(2) Operations: A Company's efforts were directed towards project work at Duc Phong MACV, Dong Xoai, and Phuoc Vinh. One platoon remained at Duc Phong until late October for construction of MACV Housing consisting of a 20x60 hardened billet complete with latrine facilities. Duc Phong airstrip was also repaired at this time. At Dong Xoai Special Forces Camp, the airfield was completely regraded, compacted and peneprimed in support of the IIFV Forward Airfield Maintenance Program. Phuoc Vinh was the site for construction of 20 UH-1 Revetments, a 40x48 Radio Research TOC, and a 40'x100' Maintenance hangar; all in support of the 1st ACD. A Company is presently at work on an air traffic control tower at Phuoc Vinh, as well as erection of a 60 ft. steel tower and a major repair of the airfield taxiway.

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Authority: 25 CFR 17.104
DATE: 03/11/2010
BY: [illegible]

AVHGC-DST

SUBJECT: Operational Report of the 31st Engineer Battalion (Combat) for the
Period Ending 31 July 1969, RCS CSFOR-65 (R1)

MFR: ORLL Was staffed through:

ENGR: MAJ Ryan/4750

G4: MAJ Kaplan/4142

CE: CPT Suminski/4688

ACTION OFFICER: MAJ NOWAK/LBN/4433

CONCURRENCE/NONCONCURRENCE: Not required.

Suitable for Commander's Notes: Yes/No.

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Mr

DECLASSIFIED
Authority
927622
RECORD COPY RETURN TO AVHDO-DO

AVHDO-DO (31 Jul 70) 3d Ind
SUBJECT: Operational Report - Lessons Learned (2d Battalion,
32d Artillery) Period ending 31 July 1970, RCS
CSFOR-65 (R4)

Headquarters, United States Army Vietnam, APO San Francisco 96375 28 OCT 1970

TO: Commander in Chief, United States Army Pacific, ATTN: CSFOR-DT,
APO 96558

1. This Headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 July 1970 from Headquarters, 2d Battalion, 32d Artillery and comments of indorsing headquarters.

2. Reference item concerning "Shortage of OHT and OHC," page 9, paragraph 2f. Controls have been established to determine availability of mission required material. Established controls are: (a) Frequent review and updating of SUPCON R/O levels, and providing results to DGSC, the source of MILSTRIP supply. (b) Telephonic notification of shortages, and in-country redistributions whenever possible. (c) Challenge and verification of customer requisitions requesting excessive quantities. (d) Checks are made with TMA on lift data to insure RDD's are met. HQ, AMC, Washington D.C. has given conditional approval to use OHT, OHC and OHA interchangeably. This approval adds flexibility in meeting customer requirements. No action by USARPAC or DA is recommended.

FOR THE COMMANDER:

Feld
Op Off
6407

1 Incl
nc

WWS
Clark W. Stevens Jr.
Captain AGC
Assistant Adjutant General

Clarkson
CO
4760

Cy furn:
II FFORCEV
2d Bn, 32d Arty

MFR: ORLL WAS STAFFED THROUGH:
G4: CPT Brown/4142
Action Officer: MAJ Tomlinson/jam/4433

Concurrence/Nonconcurrence: None required

Suitable for Commander's Notes: ~~Yes~~/No

27 OCT 1970
29 OCT 1970

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SEPARATED FROM CLASSIFIED INCL

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Authority 92.262
/s/

CONFIDENTIAL

AVHGG-CO (5 Dec 69)

SUBJECT: Analysis and Evaluation of Operational Reports-Lessons Learned
for 2d/32d Arty

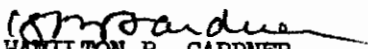
TO ACofS, G-3

FROM ACofS, C-E

DATE 12 DEC 1969 CMT 2
CPT McLEAN/rvw/4688

1. Reference: USARV Memo 525-15
2. Comments on 2d/32d Arty ORLL are attached.

1 Incl
as


HAMILTON B. GARDNER
Colonel, GS
Deputy ACofS, C-E

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CLASSIFIED INCLOSURE

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Authority 92/2022
1/1

1. (U) Reference: Use of Rectifiers in Providing Power to VRC-12 Series Radios (Fixed Installation Configuration), page 9, para 2e(2).

Comment: Concur with observation and recommendation. An ideal source of continuous DC power for AN/VRC-12 radio sets is the rectifier, RA-91. An RA-91 has an input of 220/110 AC and an output of 0-66 vdc at 12 amps, when installed across a 24 v battery to the radio set it provides continuous charging to the battery which also acts as a ripple filter. This rectifier is extremely trouble-free and is used in this manner throughout RVN. The only caution is to provide a close watch on keeping the battery water up to the proper level.

mal

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Authority 92.060
1A

AVHGC-OA (5 Dec 69)

SUBJECT: Analysis and Evaluation of Operational Reports - Lessons Learned for
2/32d Arty


TO: C, DST Div, G3

FROM: C, Opns Div, G3

DATE: 11 DEC 1969 CMT 2
MAJ Dinges/jmm/4636

1. (U) Reference item concerning Standard Angle Method of Boreighting, page 8, paragraph 2b(1). Concur. No action by USARPAC or DA is recommended.
2. (C) Reference item concerning Tube Fatigue Limits and Use of Additive Jacket, page 10, paragraph 2e(3). Nonconcur. The fatigue limits for the 175mm gun tube M113 are based on EFC without additive jackets. Tube life is 300 rounds, although some confusion exists relative to the disposition of the M113 after firing 100 rounds without the additive jacket. Information contained in DA technical publications have caused this confusion. USARV CAO (WEGOM LNO) has queried WEGOM for definitive criteria. After receipt of information recommend a Commander's Note containing this criteria be distributed to all artillery units.
3. (C) Reference item concerning Muzzle Velocity Loss, page 11, paragraph 2e(4). Concur. Current firing tables do not contain this information; however, this problem is addressed in change 1 to those tables. USARV CAO has queried AMC (Ballistic Research Laboratories) on the availability of this data. Recommend this problem be forwarded to US Army Field Artillery Board for action. No action by USARPAC or DA is recommended.

2 Incl
nc


TROY H. MIDDLETON, JR.
LTC, GS
Acting C, Opns Div, G3

GROUP 4
Downgraded at 5 year intervals
Declassified after 13 years
EOD DIR 5200.10 Applies

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DECLASSIFIED
Authority
92/600

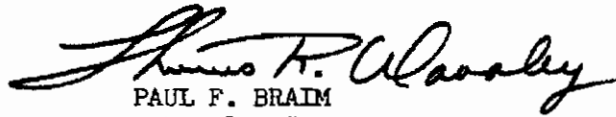
AVHGC-FDC (5 Dec 69)

SUBJECT: Analysis and Evaluation of Operational Reports -
Lessons Learned for 2/32 Arty

TO: C, DS&T Div, G3 FROM: C, FD Div, G3 DATE: 11 DEC 1969 CMT 2
MAJ Tipton/jts/4630

Reference item concerning battery charger, page 9, para 2e (2). Concur. Due to the operational requirement for the equipment, an emergency MTOE for the battery charger will be accepted upon submission by the unit. Upon receipt of the proposed MTOE, units organized under standardized MTOE 6-435G will be contacted as to the suitability of adding the battery charger to the MTOE. There are currently no battery chargers available for temporary loan.

2 Incl
nc



PAUL F. BRAIM
Colonel, GS
Chief, FD Div, G3

LTC Thomas R. Woodley

UNCLAS
CLASSIFIED 1740 JLS

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Authority 72.162

AVHGD-POM (5Dec69)

SUBJECT: Analysis and Evaluation of Operational Reports - Lessons Learned
for 2d/32d Arty

TO: ACofS, G3

FROM: ACofS, G4

DATE: 14 DEC 1969 CMT 2
MAJ BAKER/ljd/4142

1. Reference item concerning "Logistics", page 9, para 4e(1): Nonconcur. The first consideration is the availability of CONEX containers. This type of project would require CONEX containers dedicated to the particular units for that specific purpose. This would be necessary to insure that only clean and well maintained containers would be used. Due to the present critical shortage of CONEX in the transportation system this is not possible. The second consideration is the protection that the CONEX would provide to the rations. The lack of circulation of air inside the CONEX could increase spoilage. Ice would have to be used at all times and since the CONEX containers are not insulated the ice would melt quickly. A test of this proposal in the field would be the best way to determine the feasibility. However, the non-availability of CONEX is the limiting factor for practical application.

2. Reference item concerning "Logistics", page 10, para 2e(3): Concur. USARV has requested that USAWECOM clarify the relationship of tube wear to rounds fired without the XM1 additive jacket. USAWECOM has also been requested to provide definitive 175mm gun tube condemnation criteria based on either tube wear or accuracy loss. Upon receipt of USAWECOM reply, USARV will disseminate the information to field units.

3. Reference item concerning "Logistics", page 11, para 2e(4): Concur. Exact muzzle velocity loss can be periodically determined by using the M36 Radar Chronograph. Firing tables are used to provide velocity loss estimates on a more frequent basis. Existing firing tables that have been found to be invalid should be revised.

2 Incl
nc

ARLO E. ABBOTT
ARLO E. ABBOTT
Colonel, GS
ACofS, G4

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FROM CLASSIFIED INCLOSURES

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Authority 92/1628
1a

AV GD-PG1 (16 Sep 70)

SUBJECT: Analysis and Evaluation of Operational Reports-Lessons
Learned for 2d Bn 32d Artillery

TO: ACofS, G4

FROM: ACofS, G4

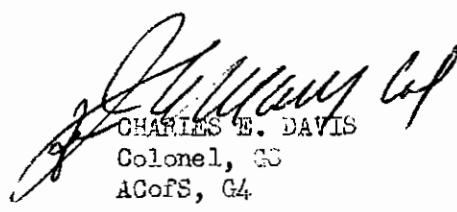
DATE: 3 1970

CIT 2

CPT BROWN/dew/4142

Attached ORIL has been reviewed as requested b comment 1. Comments are
attached as Incl 3.

3 Incl
added 1 Incl
3 - G4 Comments


CHARLES E. DAVIS
Colonel, GS
ACofS, G4

Regraded UNCLASSIFIED
when separated from
CLASSIFIED information

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Reference item concerning "Shortage of OHT and OHC", page 9, para 2f

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Authority 72-7622

Concur/Nonconcur (Circle appropriate action). Explain action(s) being taken to correct the situation; what actions are being taken to notify the reporting headquarters of alternatives/solutions to the stated problem/comment; and, if further action is required at this or higher headquarters.

1. Reference item concerning shortage of OHT and OHC, para 2.f., para 9, concur with recommendation, para 2.f.(C), page 9. Controls have been established to determine availability of mission required material. Established controls are:
 - a. Frequent review and updating of SUPCOM R/O levels, and providing results to DGSC, the source of MILSTRIP supply.
 - b. Telephonic notification of shortages, and in-country redistributions whenever possible.
 - c. Challenge and verification of customer requisitions requesting excessive quantities.
 - d. Checks are made with TMA on lift data to insure RDD's are met.
2. Hqs, AMC, Washington, D.C., has given ^{conditional} approval to use OHT, OHC and OHA interchangeably. This approval adds flexibility in meeting customer requirements.
3. No further action is required.

*Para 2.f.(b) is incorrect. Shortage was caused by an unprogrammed increase in requirements

ACTION OFFICER MAJ DREXLER
(Print Name)

DIVISION CHIEF for [Signature] LTC
DONALD L. GELMICHY
Colonel, GS
Chief, Services Division
(Signature)

TELEPHONE NO. 3066

CONFIDENTIAL

Classified and Declassified
with authority from
GSA FPMR (41 CFR) 101-11.6

AVFB-PAC (26 Aug 70) 1st Ind

SUBJECT: Operational Report of Headquarters, 2d Battalion, 32 Artillery
for Period Ending 31 July 1970. RGS-GSPWR-65 (R4) (U)

DA, HEADQUARTERS, II FIELD FORCE VIETNAM ARTILLERY, APO 96266

TO: Commanding General, II Field Force Vietnam, ATTN: AVFBC-RE, APO 96266

Concur with lessons learned as reported with the additional comments:

a. AN/MQ-4 radars are utilized in the method stated in paragraph 2c(1) when practicable. However, the selection of radar sites is also dependent on the area to be covered, enemy capabilities, support fires, and availability of radars.

b. The 12th Aviation Group, which supports II FFORCEV Artillery, has proposed and expects to adopt a method of VR coverage which more closely satisfies the requirements of paragraph 2c(2) and the accepted principle of habitual association of pilot/observer with the area to be observed.

FOR THE COMMANDER:

[Signature]
MAJ. FR
Adjutant

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Authority
72/1022

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Authority
72/102

AVFEG-RE (31 Jul 70) 2nd Inc

SUBJECT: Operational Report - Lessons Learned of 2nd Battalion, 32nd Artillery for Period Ending 31 July 1970 RCS CSFOR-65 (R2)(U)

DA, HQ, II Field Force Vietnam, APO San Francisco 96266 11 SEP 1970

THRU: Commanding General, US Army Vietnam, ATTN: AVHGC-DST, APO 96375

Commander-In-Chief, US Army Pacific, ATTN: GPOP-DT, APO 96538

TO: Assistant Chief of Staff for Force Development, Department of the Army, Washington, D.C. 20310

1. (U) This headquarters has reviewed and concurs with the Operational Report - Lessons Learned for the quarterly period ending 31 July 1970 from 2nd Battalion, 32nd Artillery.

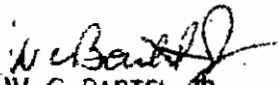
2. (C) Comments follow:

a. Reference item concerning "Heavy Artillery Operations During the Rainy Season", page 6, paragraph 2b(1). Engineer assistance is directly available to the Unit Commander under the provisions of USARV Reg 415-1.

b. Reference item concerning "Use of Organizational RTT when Employed with Heavy Artillery Units", page 9, paragraph 2g. Concussion damage is most severe when the weapons are fired directly over communications equipment. Units SOP's should have the initial siting of the equipment away from the most likely line of fire whenever possible.

FOR THE COMMANDER:

1 Incl
nc


W. C. BARTEL, JR.
CPI, AGC
Asst AG

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GROUP 1
Downgraded at 3 year
intervals; declassified
after 12 years

CONFIDENTIAL

AVR-2 19 August 1968 1st Ind

SUBJECT: Operational Report of 2d Bn, 3d Art (LIC-242AAA)

11 July 1968 RCS-OSPR-65

Group elements by elements of 21st Artillery Group.

1. Reference Section 2, paragraph c(1). Concur. No comment.

2. Reference Section 2, paragraph c(2). Concur. No comment.

3. Reference Section 2, paragraph d(1). There have been twenty-seven
reported fuel cells on M110 Howitzers in the 21st Artillery Group in the last
six (6) months. These problems have been experienced on new howitzers as
well as old. The 2d Battalion, 3d Artillery, has submitted numerous Repara-
ment Improvement Reports and representatives from the Army Tank and Auto-
motive Command have studied the problem, but no significant conclusions have
been reached.

Harold G. De Arment

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AMH-1 (9 August 1968) Del. 2-1
SUBJECT: Operational Report of the 3d Artillery (200-47444)
11 July 1968 APO-SF 96370

used primarily by elements of the Artillery Group.

1. Reference Section 2, paragraph (1)(a) Concur. No comment.

2. Reference Section 2, paragraph (1)(b) Concur. No comment.



3. Reference Section 2, paragraph (1)(c). There have been two major
cracked fuel cells on R110 Rockets in the 3d Artillery (200-47444)
and (6) rockets. These problems have been experienced on several occasions
and are still. The 3d Battalion, 3d Artillery, has submitted several
with improvement reports and recommendations from the Army Tank and
line which have studied the problem, and no significant results
been reached.

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19 Aug 65 2nd Ind
Operational Report-Lessons Learned (ORL-CR-65)

II BRONCH Artillery, APO 96366

Commanding General, II Field Force Vietnam, APO 96266
Commanding General, United States Army Vietnam, ATTN: AVHOC-DST,
APO 96375
Commander-in-Chief, United States Army Pacific, ATTN: GPOC-OF,
APO 96558

Assistant Chief of Staff for Force Development, Department of the Army,
Washington, D.C. 20310

1. (U) The quarterly report of the 3d Battalion, 2d Artillery (UIC: WAZAA) adequately reflects the operations and lessons learned during the reporting period.
2. (U) Reference Section II, para a (1). RMC Allocation and Procedures. Concur with para 2 a of 1st Indorsement.
3. (U) Reference Section II, para b (1). Use of Counter-Mortar Radar for Night Artillery Registration. Concur with para 2 c of 1st Indorsement.
4. (U) Reference Section II, para b (2). Defusing Claymore Mines During Day Hours on Base Camps. Concur with para 2 d of 1st Indorsement.
5. (U) Reference Section II, para b (4). Identification of "Firecracker" Small Arms Ammunition. Concur with para 2 e of 1st Indorsement.
6. (U) Reference Section II, para b (5). Employment of Claymore Mines in Permanent Defensive Positions. Concur with para 2 f of 1st Indorsement.
7. (U) Reference Section II, para b (6). Audible Signals for Enemy Weapons. Concur with para 2 g of 1st Indorsement.
8. (U) Reference Section II, para b (7). Emergency Perimeter Lighting System. Concur with para 2 h of 1st Indorsement.
9. (U) Reference Section II, para c (1). Supply and/or other issues. Concur.
10. (U) Reference Section II, para d (1). Target Lists. Concur. The VC have shown a marked tendency to occupy old base areas and firing positions. Their weapons are practical. They are familiar with the area and the preparation of the old area for occupation is being maintained.

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AUTHORITY: 930003
DATE: 11/18/2003

(9 Aug 68) 2nd Ed

Operational Report-Lessons Learned (OSR-CMFB-65)

Commanding General, II Field Force Vietnam, APO 96266
Commanding General, United States Army Vietnam, ATTN: AVHGC-DST,
APO 96375
Commander-in-Chief, United States Army Pacific, ATTN: GPOF-CF,
APO 96358

Assistant Chief of Staff for Force Development, Department of the Army,
Washington, D.C. 20310

(B) The quarterly report of the 2d Battalion, 3d Artillery (UTC: WAZAA) adequately reflects the operations and lessons learned during the reporting period.

(B) Reference Section II, para a (1). I&A Allocation and Procedures. Concur with para 2 b of 1st Indorsement.

(B) Reference Section II, para b (1). Use of Counter-Mortar Radar for Heavy Artillery Registration. Concur with para 2 c of 1st Indorsement.

(B) Reference Section II, para b (2). Defusing Claymore Mines During Day Time on Base Camps. Concur with para 2 d of 1st Indorsement.

(B) Reference Section II, para b (4). Identification of "Firecracker" Small Area Ammunition. Concur with para 2 e of 1st Indorsement.

(B) Reference Section II, para b (5). Employment of Claymore Mines in Permanent Defensive Positions. Concur with para 2 f of 1st Indorsement.

(B) Reference Section III, para b (6). Audible Signals for Enemy Positions. Concur with para 2 g of 1st Indorsement.

(B) Reference Section II, para b (7). Emergency Perimeter Lighting System. Concur with para 2 h of 1st Indorsement.

(B) Reference Section II, para c (1). Supply Wireman Course. Concur.

(B) Reference Section II, para d (1). Target Lists. Nonconcur. The VC have shown a marked tendency to occupy old base areas and firing positions. Their reasons are practical. They are familiar with the area and the preparation of the old area for occupation or firing is minimized.

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