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AGLA (M) (14 Aug 70) FOR OT UT 702106 19 August 1970

SUBJECT: Operational Report - Lessons Learned, Headquarters, 19th Engineer Battalion (Combat)(Army), Period Ending 30 April 1970

1. Subject report is forwarded for review and evaluation in accordance with paragraph 4b, AR 525-15. Information of actions initiated as a result of subject report should be forwarded to ACSFOR OT UT within 90 days of receipt of covering letter.

2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

BY ORDER OF THE SECRETARY OF THE ARMY:

KENNETH G. WICKHAM
Major General, USA
The Adjutant General

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DEPARTMENT OF THE ARMY
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APO San Francisco 96493

EGACBB-OP

SUBJECT: Operational Report Lessons Learned for the 19th Engineer Battalion (Combat) (Army) for the period ending 30 April 1970 RCS CSFCK-65 (R2).

THRU:
Commanding Officer, 35th Engineer Group (Construction), APO 96312
Commanding General, 18th Engineer Brigade, ATTN: AVBC-C APO 96377
Commanding General, United States Army, Vietnam, ATTN: AVHGC-DST, APO 96375.
Commander-in-Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558.

TO: Assistant Chief of Staff for Force Development, Department of the Army (ACSFOR-DA), Washington, D.C. 20310

SECTION I, OPERATIONS: SIGNIFICANT ACTIVITIES

The 19th Engineer Battalion, organized under TOE-36G, consists of Headquarters and Headquarters Company and four (4) line companies. Attached units include the 572nd Engineer Company (Light Equipment), the 687th Engineer Company (Land Clearing), and the 577th Engineer Platoon (Asphalt). One platoon of Company C, 577th Engineer Battalion (E) has been located at Camp Brown B'Sar since 2 April 1970. A platoon (minus) of the 86th Engineer Battalion has also been at Camp Brown since 15 April 1970. One platoon of Company D, 27th Engineer Battalion has been located with Company D, 19th Engineer Battalion at their construction site since 1 April 1970.

During the reporting period, the major portion of the battalion has been concerned with the battalion's primary mission of upgrading 81 kilometers of National Highway QL-20 from Di Linh to the II/III CTZ Boundary. However, the major emphasis has been placed on upgrading the 52 kilometers from Camp Smith to the II/III Boundary. Units involved in this effort are Headquarters and Headquarters Company, Company B, the 572nd Engineer Company (E), and the 577th Engineer Platoon (AP) located at Camp Smith, B'Sar, and Company A at Camp Brown, B'Sar. Company D has been concerned with project "Spirited Bayonet", the construction of a Special Forces Camp, since the beginning of the reporting period. On 3 March 1970 the 687th Engineer Company (E) was attached to the 19th Engineer Battalion and began land clearing operations between Khoi Co and Gia Nghia. Company C has been attached to the 86th Engineer Battalion since 19 November 1969.

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EGACBD-OP
30 April 1970

SUBJECT: Operational Report Lessons Learned for the 19th Engineer Battalion (Combat) for the period ending 30 April 1970 RCS CFSOR-65 (R2).

Changes in the command and staff of the 19th Engineer Battalion during the reporting period were as follows.

10 Feb 70 - CW2 Raymond W. Lovett returned to CONUS with assignment instructions for Germany.

15 Feb 70 - LTC Wilson P. Andrews was reassigned to 18th Engr Bde as Bde Executive Officer.
LTC Morris L. Gardner became Battalion Commanding Officer, replacing LTC Andrews.

18 Feb 70 - Lt Ronald E. Perry returned to CONUS for separation.

21 Feb 70 - Maj Michael D. Ash was reassigned to 35th Engr Gp.
Lt Richard W. Jackson, former HHC equipment platoon leader, was assigned as platoon leader in Co A.
Maj James W. Scott, former assistant to the battalion commander, was assigned as S-3 Officer.
Lt Michael H. Hoss, former Co A platoon leader, was assigned as battalion Engineer Equipment officer.
Capt Haury D. Haurel, former battalion Engineer Equipment officer, was assigned as battalion S-4 officer.
Lt David F. Jones, former battalion S-4 officer, was assigned as assistant S-4 officer.
Lt Philip J. Caruso, former 547th platoon leader, was assigned as assistant S-3 officer.
Lt Paul C. Williams, former assistant S-4 officer, was assigned as assistant S-3 officer.
Lt Kenneth Drown, former assistant S-3 officer, was assigned to Co B as platoon leader.
Lt Michael Kohli, former Co B platoon leader, was assigned as 547th platoon leader.

25 Feb 70 - Capt Carl Smith was further assigned to Co B as Commanding officer, replacing Capt Jack R. Bishop.
Capt Jack R. Bishop, former Co B commander, was assigned as assistant S-3 officer.

1 Mar 70 - Lt Richard Repeta further assigned as battalion Quality Control officer.

2 Mar 70 - Lt Phillip Reeve, former platoon leader from Co A, assigned as battalion Communications officer.

3 Mar 70 - The 687th Engr Co (LC) was a battalion gain to include the following officers:
Capt David Dirksen: Company Commander
Capt Theodore Bauer: platoon leader
Lt Christopher Tilden: platoon leader
W11 Lawrence Truex: Engineer Equipment maintenance officer.

5 Mar 70 - Maj McCoy L. Jolley gained as duties unassigned.

7 Mar 70 - CW2 Ludak Harik was assigned as Unit Supply-technician.

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8 Mar 70 - Maj McCoy L. Jolley was assigned as battalion Executive Officer to replace Maj Dan Connor.
Maj Dan A. Connor: duties unassigned.

9 Mar 70 - Lt David F. Jones, former assistant S-4 officer, assigned as battalion Rear Commander.

10 Mar 70 - Maj Dan A. Connor returned to CONUS for assignment at HQ NMW.
Cpt David Sigafous, former battalion Surgeon was reassigned to the 937th Engr Co.

12 Mar 70 - Lt Thomas Wilczak returned to CONUS for separation.

13 Mar 70 - Cpt Marvin Stephens became battalion Surgeon.

14 Mar 70 - Cpt John Ray became HHC Commander replacing Cpt Stephen Borg.
Cpt Stephen Borg became battalion Engineer Equipment officer, replacing Lt Michael Macs.
Lt Michael Macs became HHC equipment platoon leader.

17 Mar 70 - Lt Stanton Bigelow was reassigned to 35th Engr Co.

26 Mar 70 - Cpt John Strain became 687th Engr Co (LC) commander, replacing Cpt David Borikman.
Cpt David Borikman was reassigned to 577th Engr Bn.

2 Apr - Lt Robert Drake, former Co D platoon leader, was assigned to 687th Engr Co (LC) as platoon leader.

7 Apr 70 - Maj James M. Scott was reassigned to 577th Engr Bn.

9 Apr 70 - Cpt Edward Haggerty was reassigned to 589th Engr Bn.
Cpt David Darvin became 572nd Engr Co (IF) commander, replacing Cpt Haggerty.

10 Apr 70 - Cpt Edward Wildrick III assigned as S-3 officer.

15 Apr 70 - Cpt Theodore Bauer, former 687th Engr Co (LC) platoon leader, reassigned to 35th Engr Co.

16 Apr 70 - Cpt Terry Taylor assigned as battalion Engineer Equipment officer.
Cpt Stephen Borg, former battalion Engineer Equipment officer, assigned as special assistant to the battalion Commander.
Cpt Jack R. Bishop, former assistant S-3 officer, assigned as Co D commander.
Cpt Raymond Gajewski, former Co D commander, assigned as assistant S-3 officer.

At the end of the reporting period, total assigned strength was 905 of 927 authorized (assigned and attached units). During the period, 325 personnel were assigned to the battalion and 280 rotated. High morale continued as indicated by 125 requests for extension of FST and 16 reenlistments.

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SUBJECT: Operational Report Lessons Learned for the 19th Engineer Battalion (Combat) for the period ending 30 April 1970 RCS CSFOR-65 (R2).

Other pertinent personnel action included the presentation of 129 awards including AIRCOM's, JROTC's with V device, Purple Hearts, Silver Stars, Bronze Stars, Bronze Stars with V device, an Air Medal and a Meritorious Service Medal. Fifteen Field Grade Article 15's and four Court Martial convictions were dispensed during the period.

End activity in the 19th Engineer Battalion area of operations decreased from the previous quarter. The battalion experienced harassing sniper fire on 51 different occasions.

There were three mortar attacks on battalion compounds during the period. On 9 March and again on 11 March 1970, Company A received two mortar rounds. Neither incident produced any casualties or material damage. On 28 March, three mortar rounds landed within Company D's compound. One EM was slightly wounded, and there was negative material damage.

On 27 March 1970 a land clearing element of Company A found an anti-personnel mine off the road. The mine was blown in place. One other mine incident occurred on 9 April, when a PF soldier detonated a friendly anti-personnel mine, wounding himself and one U.S. Both men were medevaced.

Three culverts at AX7588 7 were blown on 1 April, but the road remained passable.

During the reporting period two helicopter gunships have been deployed with the battalion to provide security for the province.

During the past three months the major health problems have been injuries resulting from accidents.

No reported cases of malaria have occurred during the past three months. An adequate control program with chemoprophylaxis and prevention of mosquito bite has been instituted.

The rate of actual psychiatric disorders has been small with only one case having a significant psychiatric diagnosis.

Venerable disease continues to run at a constant rate.

During the reporting period the Battalion Communications Section worked to accomplish its continuous mission of providing reliable communications within the battalion and with higher headquarters. The Battalion Communications Section maintains FM radio contact with all subordinate units within the battalion. With the three subordinate units in the field, the section maintains an FM secure voice capability. The section maintains a constant land line capability within the Camp Smith area. In addition, the section provides organizational maintenance support to all of these units.

To provide communications with units external to the battalion, the section utilizes the Doo Loc Land Line, which includes two VHF slots for the exclusive use of the battalion. The section also maintains a land line and radio teletype capability to include H&K voice and CW.

In mid-March the section received and assumed responsibility for a Military Affiliate Radio Station (MARS). Utilizing available personnel assets, the section installed and operated the MARS station. In the 42 days of its operation, the MARS station successfully placed 685 telephone calls to CMUS. The MARS station serves the entire Doo Loc military community to include the local H&K voice and MARS.
During this period, S-U has worked steadily to procure required construction materials which continue to be a major problem due to this headquarter’s remoteness and long supply distances from Cam Ranh Bay. Coordination is difficult and convoys are few in number.

The movement of Co D to an outlying area and the attachment of the 687th Engineer Company (LC) greatly increased the logistical support complexity of this headquarters. Supplies had to be flown from Cam Ranh to Khan Co and shipped from there by CH-57. Due to shifting priorities, backlogs often resulted. However, an effective supply of materials has been delivered in spite of these problems.

During this period, construction projects have consumed approximately 121,000 board feet of lumber, primarily in the construction of a Special Forces camp by Company D. Also consumed have been 5,000 pounds of nails and spikes, 860 pieces of culvert, 7,200 barrels of asphalt products, 800 bags of cement, 80 rolls of barbed wire, 1,000 pickets and 600 sandbags.

During the reporting period several ARVN Affiliation programs were continued. The joint program with ARVN Engineers involving Bridge 5 was completed at the end of April, as the ARVN’s finished work on the bridge itself. In another affiliation program, ARVN forces supported, when necessary, the sandstone haul from Di Linh to the industrial site at Camp Smith. This support was rendered in the form of trucks. Finally, ARVN forces provided continuous security along QL-20, thus enabling more U.S. troop effort to be put to use in LOC construction.

In the past three months the number of Direct Hire Personnel working for the 19th Engineer Battalion and attached units has increased. There are now a total of 74 persons employed within the battalion. The total number of housegirls is now 68, with the remainder of the personnel employed as crusher and asphalt plant workers.

The battalion Chaplain has responsibility for all US Troops in Lam Dong Province to include the 19th Engineer Battalion and attachments, MACV, LSA, and MACV P. As in the past, Roman Catholic services are provided at Camp Smith by a Vietnamese priest. The battalion Chaplain has continued to provide a flexible program of religious and personal guidance for the men of the battalion, including as many trips to the outlying elements as is possible.

During the past quarter, the 19th Engineer Battalion’s authorized newspaper, The Seahorse News, was published on a monthly basis by the Public Information Office. The issues were distributed on 26 Feb 70, 31 Mar 70 and 30 Apr 70. The newspaper was distributed to all companies in the battalion on a basis of one for every three men. In accordance with instructions from the 18th Engineer Brigade Information Office, the newspaper was distributed to higher echelons.

Also during the quarter, the Information Office of the 19th Engineer Battalion received and distributed the following material: Kysu (Engineer Troops Vietnam), Uptight (USARV), Army Digest (DA) and Commander’s Digest (DD). To help insure an effective command information program the Battalion Information Office also distributed newspapers and command information material received from Engineer Troops Vietnam, USARV, MACV, 18th Engt Bde and 35th Engt Grp. A series of fact sheets were distributed to help keep the battalion informed on command and general information. These fact sheets covered such subjects as reenlistments, Operation Last
Subject: Operational Report Lessons Learned for the 19th Engineer Battalion (C mbt) for the period ending 30 April 1970 RCS CSFCSl-65 (R2)

Chance and available RHEIs both out of country and in country.

The following, DA Forms, news releases and photographs were forwarded by the 19th PIO & Higher Headquarters for further distribution.

DA Form 1526 (Information for hometown News Release) ........... 216
News Releases .................................................. 29
Photographs ..................................................... 53

During this period the Quality Control section has endeavored to improve its operation by the addition of personnel to assist in the testing of materials used in the upgrading of QL-20. The section now consists of a Quality Control officer and three trained technicians. In addition, key personnel in the line companies have been instructed in the basics of soils analysis. Regular testing on road subbase, base course and asphalt has been the key to the success of the Quality Control program. This testing includes sieve analysis, Atterberg limits and compaction criteria. Hot bin and cold bin gradations are taken daily and temperature readings are taken of each asphalt truck that arrives at the paving site. During the quarter there has been a continual investigation for new and better base course borrow pit locations, to facilitate the LOC program.

During the quarter, A/19 was concerned mainly with the upgrading of QL-20. Extensive roadway consisting of final compaction of surface and ditchwork was completed from YT896623 to YT9386U0 and from YT893623 to YT830626. In some areas large amounts of subbase had to be removed and new fill added and compacted. The old roadway was widened in several places by blasting, filling and cutting, with hill sloping and clearing on each side of the road, particularly in the area from YT893623 to YT893623. Two new bypasses were constructed from YT893623 to YT876323 and from YT880623 to YT685623. Both approaches to Bridge 6 required extensive reworking and filling. During the quarter a total of 56 culvert headwalls were constructed by A/19.

On the first of April, one platoon of Company C, 577th Engineer Battalion moved in to help support A/19 with the road building project. Later in the month an element of the 815th Engineer Battalion joined this effort also.

In the reporting period A/19 also performed base camp maintenance including the construction of 10 feet of 6" culvert in the compound's ravine, the movement of the propane gas tanks at the mess hall and installation of a cement slab in front of the mess hall to facilitate drainage. Also, a second building was erected for a 100 KW generator and a revetment consisting of MC-70 barrels was placed around it.

A total of 12 acres was cleared along QL-20 to eliminate potential sniper locations.

The efforts and manpower of B/19 were spread over a variety of projects initiated this quarter. LOC restoration consumed the majority of man and equipment hours during the period. Recurring projects such as potholing, ditch work and check dams were given special attention from YT877555 to YT686666. Beginning at YT599702 the scarifying and recompaction of the subbase was continued. The base course material consisted of 1 to 6 inches of compacted lift. After compaction it was shot with a prime coat of MC-70. B/19 used a total of 11,090 cy of base course in the upgrading of QL-20. Extensive ditching was done during the reporting period.
operational report Lessons Learned for the 19th Engineer Battalion
(Combat) for the period ending 30 April 1970 RCS CSFOR-65 (R2)

The construction of a 20' x 50' ammunition bunker at Camp Smith required 1602
linear feet of 3x10 material, 1300 sandbags, 136 asphalt drums, 1300 linear feet
of 10x12 material and 60 feet of 18' culvert.

Recurring maintenance was required on the runway matting at the Pho Loc Air-
field. Also, two (2) 60 foot revetments were constructed for aircraft protection
and a 175 mm gun emplacement was constructed in the vicinity of the airfield.
Materials used in these projects included 332 asphalt drums, 12 feet of 36' culvert,
and 3140 linear feet of 3x10 material.

Towards the end of the period the Industrial complex began undergoing changes
with the movement of the 500 HW generator to a new location. Remodeling of the
crusher feeder chutes was 80% complete and construction of stand-off fencing for
the crusher site was 40% complete.

During the quarter D/19 was primarily concerned with project 'Spirited Bayonet'
the construction of a Special Forces Camp. The third platoon procured lumber all
through February for the eventual construction of 63 living-fighting bunkers.
The second platoon was airlifted to the worksite on 2 February 1970. While
waiting for equipment to get to them, the 2nd platoon strung wire around the
inner perimeter, dug foxholes and machine gun positions for their initial
defense. On the 6th of February work began on the construction of the 15x10
living-fighting bunkers. The 2nd platoon was reinforced by the 1st platoon on
the 10th. By the end of February, each platoon was putting in a bunker and
a half per day, being limited only by the amount of materials that they had to
work with and the speed with which holes were dug by the dozers.

Due to a lack of air support, work on the bunkers slowed down during March.
In addition, a backlog of needed material was created in Cam Ranh Bay. In order
to meet completion dates a convey was organized and sent out on the 12th of April,
returning on 13 April. Construction of the 15x10 bunkers was completed on 16
April and the remaining portion of the month was spent on the construction of
a 20x100 living bunker and a 20x80 TOC. Work began on the airfield on 8 March
and continued through the reporting period.

During the reporting period the 572nd Engineer Company (IE) continued its support
of the 19th Engineer Battalion. Support to the restoration of QL-20 consisted of
quarrying and crushed rock production, support of paving efforts, major equipment
support to A/19 and minor equipment support to B/19. During the reporting period
the 572nd Engr Co (IE) assumed operational control of the 587th Engr Plt (AP) and
the equipment platoon of HHC/19.

The industrial complex has been undergoing a period of revision in order to
compensate for inadequate plant design. The Cedar-Rapids 250 TPH rock crusher
was not designed to produce fines for the asphalt plant. As a result, production
was barely able to meet the needs of the asphalt plant. Base course production
was no problem due to the availability of natural base course in many areas.
A 75 TPH secondary unit has been added to the 250 complex to aid in production
of fines for asphalt mix. A 35 TPH secondary unit has seen limited use in
production of additional fine aggregate.

The Chi Cong quarry has undergone an extensive face lifting. The working
area has been expanded to include the entire available working face of rock.
Total production for the period was 19,380 cy of blast rock. A second quarry
has been opened at Di Linh to produce additional fines for the asphalt plant.
EGACDB-OP 30 April 1970

SUBJECT: Operational Report Lessons Learned for the 19th Engineer Battalion (Combat) for the period ending 30 April 1970 RCS CSFOR-65 (R2).

The major problem with this source of fines is the excessive haul distance which allows only two hauls per day. Total production for the period was 6,975 cu.

During the quarter 11,689 cu of 2", 11,783 cu of 3/4", and 12,216 cu of fines have been produced at the industrial site.

This reporting period was a time of increased production at the asphalt plant. The production total was 17,488 tons of asphaltic concrete. The 547th Engr Plt (AP) paved a total of 12.1 kilometers of double lane road on QL-20. Numerous mechanical difficulties had to be met during the quarter. Two (2) engines were replaced on the dust collector, and the shaker box was removed on two separate occasions to replace bearings. These repairs caused the loss of 11 production days. Other minor problems including a broken asphalt pump, ruptured hot oil pipes, and recalibration of the plant caused the loss of an additional 5 days. However, the plant was fully operational for the last 17 days of the reporting period.

SECTION II. Lessons Learned: Commander's Observations, Evaluations, and Recommendations.

A. PERSONNEL: None

B. INTELLIGENCE: None

C. OPERATIONS:

1. Culvert Headwall Forms

   (a) OBSERVATION: The LOC program has included the construction of many culvert headwalls.

   (b) EVALUATION: This need for culvert headwalls put a serious strain on an already limited supply of 3/4" plywood used to construct headwall forms.

   (c) SOLUTION: Scrap corrugated metal salvaged from a demolished bunker, when adequately braced satisfied the requirements for headwall form material. It should be noted that the metal required sufficient bracing to prevent bulges in the metal when the cement was being poured. Also, no more than half of this headwall should be poured in one day.

2. Leveling Course for Road Surface

   (a) OBSERVATION: Existing base course strength is quite adequate on QL-20 in Blau Pass. It is however, very rough and irregular.

   (b) EVALUATION: Provided with adequate strength, only a leveling course of some type is required.

   (c) SOLUTION: Asphaltic concrete hot mix was blade-laid over the existing base course. Just enough hot mix was used to fill the irregularities in the road surface. The surface was rolled with a ten-ton steel-wheeled roller, followed by a nine-wheeled pneumatic tired roller. This surface was overlayed with the

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SUBJECT: Operational Report Lessons Learned for the 19th Engineer Battalion (Combat) for the period ending 30 April 1970 RCS CSFOR-65 (R2).

final source of asphaltic concrete. Road strength was good. The major advantage of this method of construction is that it saves the effort involved in scarifying the old surface, adding additional base course, and re-compacting.

3. Ditching Equipment;

(a) OBSERVATION: Extensive ditchwork has been required on QL-20.

(b) EVALUATION: Additional equipment was needed to supplement the graders already being used in ditching operations along QL-20.

(c) SOLUTION: 290K's have been used with great success in ditching operations when graders were unavailable for various reasons. It has been found that a 290K completes ditchwork much faster than a grader and the ditchline needs only "touch up" work by a grader to complete the project.

D. ORGANIZATION: None

E. TRAINING: None

F. LOGISTICS: Logistical Support Coordination.

(a) OBSERVATION: Logistical Support becomes exceedingly difficult when many separate units are supported from a logistical facility which is remote from the battalion headquarters.

(b) EVALUATION: In order to effectively support units with all classes of supplies, direct coordination between S-4, support command, and transportation personnel is needed to effectively monitor the supply situation.

(c) SOLUTION: An individual from this battalion was stationed in Cam Phaipay to head the Battalion rear detachment. Through his efforts, all supplies and required coordination for DOH's and transportation were successfully obtained. His presence along with specialized expeditors in the fields of maintenance, supply, and transportation resulted in the successful completion of many of the 19th Engr BN's projects.

G. COMMUNICATIONS: None

H. MATERIAL: None

I. OTHER: None

1 Incl
Organizational Chart

Morris L. Gardner
LTC, CT
Commanding

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EGA-SC (30 April 1970) 1st Ind

SUBJECT: Operational Report-Lessons Learned of the 19th Engineer Battalion (Combat), Period Ending 30 April 1970, R2

CSFOR-65 (R2)

DA, Headquarters, 35th Engineer Group (Const), APO 96772, 16 May 1970

TC: Commanding General, 19th Engineer Brigade, APO 96772

This Headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 30 April 1970 from the 19th Engineer Battalion (Combat) and concurs with the contents and observations of the commander.

RICHARD A. SHIBATA
SCI, CE
Commanding
SUBJECT: Operational Report-Lessons Learned for the 19th Engineer Battalion (Combat) for the Period Ending 30 April 1970
RCS CSPOR-65 (R2)

DA, HEADQUARTERS, 18TH ENGINEER BRIGADE, APO 96377

TO: Commanding General, U.S. Army Vietnam, ATTN: AVBCC-DST, APO 96377

1. This Headquarters has reviewed the Operational Report-Lessons Learned for the 19th Engineer Battalion (Combat) as endorsed by the 35th Engineer Group (Construction). The report is considered to be an accurate account of the Battalion's activities during the reporting period.

2. This Headquarters concurs with the observations and recommendations of the Battalion and Group Commanders with the following comments added:

   a. Reference: Section 2, item c(1). Concur. Use of 1x lumber is another alternative to use of 3/4 in plywood when forming culvert headwalls.

   b. Reference: Section 2, item c(2). Blade lay leveling course is acceptable, but must be minimized since large quantities of asphaltic concrete are required and detract from paving effort. This construction method should be minimized and used only with approval of this command.

   c. Reference: Section 2, item c(3). A 290H can efficiently work a trapezoidal ditch, but if used in a v-ditch, will decrease the inside slope excessively and cut into the roadway and shoulder width if care is not exercised. It may also place unnecessary wear on the hydraulic system since a 290H is not designed for this operation.

   SCHRADEP
   Brigadier General, USA
   Commanding

CQ: 35th Engr Gp
CQ, 19th Engr Bn

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AVHGC-DST (30 Apr 70) 3rd Ind

SUBJECT: Operational Report Lessons Learned for the 19th Engineer Battalion (Combat) (Army) for the period ending 30 April 1970 RCS CSFOR-65 (R2)

Headquarters, United States Army, Vietnam, APO San Francisco 96375

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

This headquarters has reviewed the Operational Report—Lessons Learned for the quarterly period ending 30 Apr 70 from Headquarters, 19th Engineer Battalion (Combat) and concurs with comments of indorsing headquarters.

FOR THE COMMANDER:

CF:
18th Engr Bde
19th Engr Bn
GPOP-DT (30 Apr 70) 4th Ind
SUBJECT: Operational Report of HQ, 19th Engineer Battalion (Combat) (Army) for Period Ending 30 April 1970, RCS CSFOR-65 (R2)

HQ, US Army, Pacific, APO San Francisco 96558 16 JUL 70

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

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

[Signature]

D. L. CLINE
2LT, AGO
Acting AG
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<td>Experiences of unit engaged in counterinsurgency operations</td>
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<td>CO, 19th Engineer Battalion</td>
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Security Classification