

UNCLASSIFIED

AD NUMBER

AD862971

LIMITATION CHANGES

TO:

Approved for public release; distribution is unlimited. Document partially illegible.

FROM:

Distribution authorized to U.S. Gov't. agencies and their contractors;  
Administrative/Operational Use; 15 AUG 1969.  
Other requests shall be referred to Assistant Chief of Staff Force Development (Army), Attn: FOR-OT-UT, Washington, DC 20310.

AUTHORITY

AGO D/A ltr, 29 Apr 1980

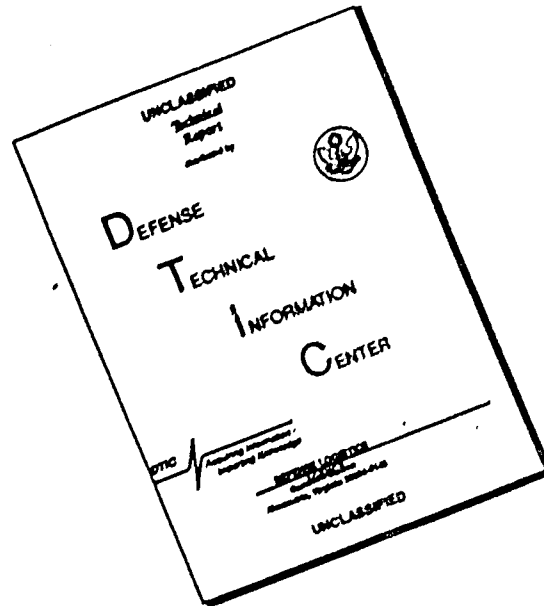
THIS PAGE IS UNCLASSIFIED

THIS REPORT HAS BEEN DELIMITED  
AND CLEARED FOR PUBLIC RELEASE  
UNDER DOD DIRECTIVE 5200.20 AND  
NO RESTRICTIONS ARE IMPOSED UPON  
ITS USE AND DISCLOSURE.

DISTRIBUTION STATEMENT A

APPROVED FOR PUBLIC RELEASE;  
DISTRIBUTION UNLIMITED.

# DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.



DEPARTMENT OF THE ARMY  
OFFICE OF THE ADJUTANT GENERAL  
WASHINGTON, D.C. 20310

AGDA (M) (17 Nov 69) FOR OT UT 693325

5 December 1969

SUBJECT: Operational Report - Lessons Learned, Headquarters, 92d Engineer Battalion, Period Ending 31 July 1969

AD 862971

SEE DISTRIBUTION

1. Subject report is forwarded for review and evaluation in accordance with paragraph 4b, AR 525-15. Evaluations and corrective actions should be reported to ACSFOR OT UT, Operational Reports Branch, 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:

Reproduced by the  
CLEARINGHOUSE  
for Federal Scientific & Technical  
Information, Springfield, Va. 22151

1 Incl  
as

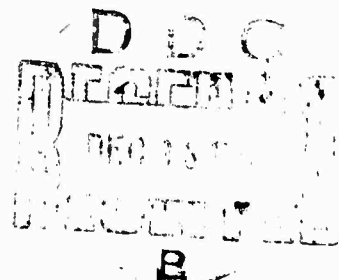
*Kenneth G. Wickham*

KENNETH G. WICKHAM  
Major General, USA  
The Adjutant General

DISTRIBUTION:

- ~~Commanding Generals~~
- ~~US Continental Army Command~~
- ~~US Army Combat Developments Command~~
- ~~Commandants~~
- ~~US Army War College~~
- ~~US Army Command and General Staff College~~
- ~~US Army Armor School~~
- ~~US Army Engineer School~~
- ~~US Army Field Artillery School~~
- ~~US Army Infantry School~~
- ~~US Army Ordnance School~~
- ~~US Army Special Warfare School~~

Copies furnished:  
Office, Chief of Staff, US Army  
Deputy Chiefs of Staff  
Chief of Research and Development



UNCLASSIFIED REPORT  
DISTRIBUTION NO FOREIGN WITHOUT APPROVAL OF  
ASSISTANT CHIEF OF STAFF FOR FORCE DEVELOPMENT  
(ARMY) ATTN FOR OT UT. WASHINGTON, D.C. 20310

Protective marking cancelled when  
separated from inclosure.

FOR OFFICIAL USE ONLY

DEPARTMENT OF THE ARMY  
HEADQUARTERS, 92D ENGINEER BATTALION  
APO 96491

EGED-O

15 August 1969

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (RL)

THRU: Commanding Officer, 159th Engineer Group, ATTN: EGB-3, APO 96491  
Commanding General, 20th Engineer Brigade, ATTN: AVBI-OPN, APO 96491  
Commanding General, United States Army, Vietnam, ATTN: AVHGG (DST),  
APO 96375  
Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT,  
APO 96588

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

Section 1. Operations: Significant Activities

1. Command: LTC Anthony A. Smith commanded the 92nd Engineer Battalion during the reporting period until 19 June 1969, at which time LTC William A. Anderson assumed command.

2. Personnel Administration, Morale and Discipline:

a. The 92nd Engineer Battalion Headquarters and Headquarters Company is organized under MTOE 5-116G, strength b; A Company, MTOE 5-117G, strength b; and Companies B, C, and D, MTOE 5-118G, strength b. The 41st Engineer Company (Port Construction) and 497th Engineer Company (Port Construction) are organized under MTOE 5-129G and were attached by the 159th Engineer Group General Orders Number 34, dated 18 December 1967, and Number 9, dated 13 February 1969, respectively. The 143rd Engineer Detachment (Concrete Mixing and Paving) was reduced to zero strength by 92nd Engineer Battalion Special Order Number 161, dated 10 June 1969.

b. The Battalion and attached units had a total of 277 gains and 216 losses in personnel during the reporting period. The forecast rotational rates are 7.4% for August, 8.6% for September, and 8.2% for October.

FOR OT UT

693325

Inclosure

FOR OFFICIAL USE ONLY

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (R1)

c. Morale has been excellent during the entire quarter. There were 81 overseas extensions approved during the reporting period, 52 of these were for an additional six months tour. The battalion had 70 percent participation in the Savings Bond Program and 12 percent participation in the Soldier's Deposits Program. During the reporting period, 204 Battalion personnel participated in the Rest and Recuperation Program. The awards program has been emphasized and a total of 88 medals were presented.

d. Most disciplinary problems were resolved under Article 15, UCMJ. The Battalion administered 115 Article 15's, held seven Special Courts-Martial, five Summary Courts-Martial, and no General Courts-Martial.

3. Intelligence: None

4. Operations, Plans and Training

a. Operations

(1) Combat Operations: Company B reported enemy activity at the Trang Bom Tank Range jobsite on 28 May when a 290M tractor hit a mine. Attempts to remove the 290M resulted in damage to a D7E tractor, M-88 VTR and 6 WIA personnel when both vehicles hit mines.

(2) Combat Support Operations: None

(3) Construction Operations:

(a) During this reporting period twenty-six (26) major projects were completed by this battalion and a LOC cement batch plant was installed. LOC transit mixers arrived in Vietnam and five (5) personnel have been trained as operators.

(b) Projects completed during the reporting period:

1 (BACON) CD 43-378-05, Cogido Ammunition Facility, 497th Engineer Company (PC): A 390' sheetpile wharf for off-loading ammunition barges, a bumper system to protect the wharf four mooring systems each capable of mooring twelve (12) fully loaded barges, and a 10' x 10' fighting bunker was constructed at Cogido. The project was started 12 February 1969 and was completed 30 June 1969.

FOR OFFICIAL USE ONLY

INCL

2

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (R1)

2 (OPN SPT) CD 407-0301-0-01, Pier Protection, Phu Cuong Bridge, 41st Engineer Company (PC): Nine floating collars equipped with 25' suspended chain length fence and barbed tape filled center sections were constructed around the piers of the Phu Cuong Bridge. Steel pile and channel iron fender systems were placed on both sides of the three (3) navigational piers to protect the floating collars from river traffic. The project was started 1 April 1969 and was completed 13 June 1969.

3 (OPN SPT) OS 159-69-028C, Aircraft Revetments, D Company, 92nd Engineer Battalion: Seventy two (72) rotary wing revetments and nine (9) fixed wing aircraft revetments were constructed at the Vung Tau Airfield. The project was started 17 February 1969 and was completed 30 June 1969.

4 (OPN SPT) OS 159-69-030, Aircraft Parking Ramp, D Company, 92nd Engineer Battalion: A 69,000 SY hardstand covered with MBAL matting was constructed at Vung Tau. The project was started 19 February 1969 and completed 9 June 1969.

5 (OPN SPT) 243-5458-0-20, Minefields Long Binh Post, D Company, 31st Engineer Battalion (Combat) and B Company, 92D Engineer Battalion (Const): Forty-six defensive anti-personnel minefields and nine phony minefields were surveyed, emplaced, camouflaged, and recorded. The project was started 1 April 1969 and was completed 6 May 1969.

6 (OPN SPT) 273-5495-0-20, Materials Issue, Ong Thin Bridge, 92nd Engineer Battalion (Const): Issued 21,000 BF of 3" x 12" lumber and 500 lbs of nails to the 301st Engineer Battalion (ARVN) to improve the Ong Thin Bridge. The directive was issued 29 March 1969 with the final issue of materials 15 May 1969.

7 (OPN SPT) 207-5618-0-20, Crane Support, 497th Engineer Company (PC): A 40 ton crane, 10 ton tractor with 60 ton trailer, 5 ton tractor with 25 ton trailer and necessary operators were provided to the 20th Engineer Brigade to remove and replace a 16 cylinder diesel engine. The removed engine was delivered to Newport. Work began on 10 May 1969 and the engine was delivered on 14 May 1969.

8 (OPN SPT) 207-5661-2-23, Culvert Issue, 92nd Engineer Battalion (Const): Two-hundred pieces of 48"Ø culvert was issued to the 1st Cav Div (AM) on 10 May 1969.

FOR OFFICIAL USE ONLY

INCL

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (RI)

9 (OPN SPT) 243-5584-0-20, Equipment and Technical Assistance Support, B Company, 92nd Engineer Battalion (Const): Chain link fence RPG screens were constructed on three tower bunkers and in front of two ground bunkers. Two culvert openings were covered with grills made of 3/4" reinforcing bar. Work began on 23 May 1969 and was completed on 3 June 1969.

10 (OPN SPT) 291-5480-1-23, Begonia and Columbine Bunker Reinforcement, 497th Engineer Company (PC): Eight (8) bunkers were reinforced by adding a 6" x 6" joist to two existing joists in each bunker. Work began on 6 June 1969 and was completed on 10 June 1969.

11 (OPN SPT) 207-5375-0-20, POL Barge Buoy, Dong Nai, 497th Engineer Company (PC): A mooring buoy for POL barges was constructed of one 4' x 4' x 4' concrete sinker, two 6,000 Lb Navy stockless anchors, 135 feet of anchor chain, and a 9'6" diameter tension bar mooring buoy. The system was assembled in the 497th Engineer Company (PC) area on 1 July 1969 and placed in the Dong Nai River 2 July 1969.

12 (OPN SPT) 243-5414-2-23, Long Binh Perimeter Defense, 92nd Engineer Battalion (Const): Maintained and upgraded the defensive perimeter within the 92D Engineer Battalion (Const) area of responsibility during the period 1 March 1969 to 1 July 1969.

13 (OPN SPT) 291-5559-0-20, Phu Cuong Mine Boom, 41st Engineer Company (PC): An opening was constructed in the Phu Cuong Mine Boom by driving twenty piles to support two over-lapping sections of mine boom. Work started 18 June 1969 and was completed 7 July 1969.

14 (OPN SPT) 277-5747-0-20, Diver Support, Vung Ro Bay, 497th Engineer Company (PC): Two divers were sent to Vung Ro Bay to free two underwater POL hoses that were entangled in a mooring buoy system. While freeing the hoses, two sections were found to be unserviceable and were replaced. Work began on 29 June 1969 and was completed on 2 July 1969.

15 (OPN SPT) No Number Issued, Construction of Temporary Bridge, B Company, 92nd Engineer Battalion (Const): A temporary wooden bridge was constructed over a washed out culvert on QL-1 near Long Binh. The bridge was constructed on 8 July 1969.

16 (OPN SPT) 240-5783-0-20, Diver Support, 497th Engineer Company (PC): Two bodies (U.S.) and several weapons were recovered from a bomb crater in a stream for the 1st Inf Div. The mission began on 8 July 1969 and was completed 9 July 1969.

FOR OFFICIAL USE ONLY



EGED-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (RL)

17 (OPN SPT) 212-5775-0-20, Pile Driving Support, Ben Cat, 41st Engineer Company (PC): Ten round wood piles were driven at the Ben Cat Bridge site to provide abutments for a Bailey bridge later constructed by the 1st Engineer Battalion (Combat). Work began on 10 July 1969 and was completed on 14 July 1969.

18 (OPN SPT) 243-5788-0-20, Diver Support, Saigon Support Command, 497th Engineer Company (PC): An underwater search was made of the POL Jetty at Dong Nai and the Cogido ammunition unloading facilities for evidence of sapper activity. No evidence was found. Diving began on 11 July 1969 and was completed on 13 July 1969.

19 (OPN SPT) 243-5564-0-20, Tower Construction, Long Binh Post, 41st Engineer Company (PC): Three 60' steel observation towers were erected along the perimeter of Long Binh Post. Work began on 19 May 1969 and was completed 17 July 1969.

20 (OPN SPT) 273-5762-0-20, Release of Mooring Buoy at Cat Lai, 41st Engineer Company (PC): A mooring buoy, fouled by a ship and moved from its original position, was repositioned and inspected for damage. The work was done on 16 July 1969.

21 (OPN SPT) 246-5536-0-20, Long Thanh North Aviation Facilities, D Company, 92d Engineer Battalion (Const): Fifteen (15) rotary wing revetments were constructed on a 48,350 square yard peneprimed hardstand. An additional eight (8) fixed wing aircraft revetments were constructed on a 18,450 square yard hardstand after placement of M8A1 matting. Work began 30 April 1969 and was completed on 21 July 1969.

22 (LOG) LC 68-159-59, Repair of Route LTL 24, B Company, 92d Engineer Battalion (Const): Regraded and repaired 2½ miles of road and repaired existing drainage facilities which included the replacement of the Ong Huon Bridge with two 48"Ø culverts. Work began on 14 June 1969 and was completed 14 July 1969.

23 (MACV) CD 87-242-01, III CTZ MACV Province Advisors, Van Kiep NTC, Ba Ria, Phuoc Tuy Province, D Company, 92d Engineer Battalion (Const): Three billets and a water tower were constructed by the 36th Engineer Battalion (Const). D Company completed electrical wiring and plumbing of all buildings and improved outside drainage facilities. The project was started 5 August 1968, transferred to the 92d Engineer Battalion (Const) on 26 April 1969 and completed 22 July 1969.

FOR OFFICIAL USE ONLY

EGED-0

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction);  
for the Period Ending 31 July 1969, RCS CSFOR-65 (R1)

24 (MER) MR 159-69-005, MER for 572nd Transportation Company, B Company, 92d Engineer Battalion (Const): Materials and technical assistance were provided for the self-help construction of a 12-head shower, a 6-hole latrine, and a 2-hole latrine. Construction began on 20 February 1969 and was completed on 8 May 1969.

25 (BACON) 507-0302-0-01, Covered Storage Buildings, B Company, 92D Engineer Battalion (Const): Five 40' x 96' Pascoe pre-engineered metal buildings with concrete floors were erected for the 101st Airborne Division (AM). Work began on 20 March 1969 and was completed on 15 May 1969.

26 (BACON) CD 46-214-01-T-7S, Site Preparation, Vinnel Site, Long Thanh North, D Company, 92d Engineer Battalion (Const): Cleared and graded site and constructed 700 linear feet of revetment around the existing electrical power plant. Constructed berms around two POL tanks. Work began 10 February 1969 and was completed 15 July 1969.

27 (BACON) CD 46-227-01, Cantonment Facilities, 224th Aviation Bn, D Company, 92d Engineer Battalion (Const): A cantonment facility consisting of a battalion headquarters/operations building, four troop billets, messhall, latrines, showers, company headquarters, supply building, and other storage and allied buildings was constructed and prepared for occupancy for the 224th Aviation Battalion. Construction began on 10 February 1969 and was completed 8 June 1969.

(c) Projects Under Construction:

1 (OPN SPT) OS 159-68-201, Long Binh Post Perimeter Relocation, B and C Companies, 92D Engineer Battalion (Const) and the 41st and 497th Engineer Companies (PC): This project will enlarge the perimeter of Long Binh Post. Included in the scope are 55 fighting bunkers, three reaction force bunkers, 10,500 meters of road, thirteen latrines, and a barbed wire barrier around approximately 5500 meters of perimeter. The project was started 16 December 1968 and is 99% complete.

2 (OPN SPT) OS 159-68-233, Trang Bom Tank Range, B Company, 92D Engineer Battalion (Const): The access road to the 300' x 100' firing pad is 80% complete and two 48"Ø culverts have been installed. Some work has been accomplished on the firing pad and fifteen acres of jungle has been cleared. The project was started 20 February 1969, was delayed until 16 July 1969 due to unavailability of security forces and is presently 23% complete.

FOR OFFICIAL USE ONLY

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (RL)

3 (OPN SPT) 243-5546-0-20, Maintenance Facilities for the 62D Engineer Battalion (Land Clearing), B Company, 92D Engineer Battalion (Const): Three concrete turning pads and the approach ramp to the maintenance building have been constructed. Three of four trackwalks have been placed between the turning pads utilizing 4900 tons of 10" and 2" crushed rock. The project began 26 May 1969 and is 67% complete.

4 (OPN SPT) 243-5755-0-20, Finger Road, B Company, 92D Engineer Battalion (Const): Three hundred meters of a two thousand meter road to a military police security outpost has been upgraded to a one way, class 30, all weather road. The project began on 11 July 1969 and is 16% complete.

5 (OPN SPT) 207-5520-0-20, Engineer Support, Fire Support Base Concord, B Company, 92D Engineer Battalion (Const): Earth berms around six howitzers were upgraded and coated with a dust palliative. Two of eight 10' x 10' fighting bunkers have been prefabricated and delivered to the site. The project began 15 July 1969 and is 85% complete.

6 (OPN SPT) 246-5624-0-20, Airfield Defense, LTN, D Company, 92D Engineer Battalion (Const): One 10' x 10' fighting bunker has been prefabricated, 370,000 square yards of scrub growth has been cleared and construction has started on 1200 meters of new perimeter roads. The project began 8 July 1969 and is 49% complete.

7 (OPN SPT) 246-5496-0-20, Perimeter Defense, Bearcat, D Company, 92D Engineer Battalion (Const): Eight 10' x 10' fighting bunkers were prefabricated and placed into position. One of six 20' observation towers has been erected with engineer supervision and technical advice. The project began on 23 April 1969 and is 62% complete.

8 (OPN SPT) 246-5739-0-20, Stabilized Taxdway, LTN, D Company, 92D Engineer Battalion (Const): A 36"Ø culvert with concrete headwalls has been emplaced for a 20' x 275' taxdway for towing CH 47 helicopters from the airstrip to the maintenance area. The project began 8 July 1969 and is 26% complete.

9 (OPN SPT) 243-5686-0-20, Construction of SOC, S-3, 92D Engineer Battalion (Const): Technical assistance for the self-help construction of a 30' x 50' Sector Operations Center for the 53 General Support Group has been provided. The project was started 16 June 1969 and is 75% complete.

10 (OPN SPT) 243-5729-2-23, Maintenance of Base Camp Perimeter, Long Binh Post, 92D Engineer Battalion (Const): Maintained and upgraded existing defensive works, including defensive wire, minefields, berms, bunkers, and clearance of vegetation. The project was started 1 July 1969 and is continuous.

TOP SECRETIAL USE ONLY

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction) for the Period Ending 31 July 1969, RCS CSFOR-65 (R1)

11 (OPN SPT) 273-5461-0-20, Pier Protection, Bien Loi Bridge, 497th Engineer Company (PC): Support is being provided to the 46th Engineer Battalion (Const) with port construction effort to complete the Bien Loi Floating Pier Protection System. Project will be completed by the 46th Engineer Battalion (Const).

12 (OPN SPT) OS 159-68-247(c), Pier Protection Systems at the Rach Cat and the Cau Ganh Bridges, 497th Engineer Company (PC): Placed floating collars around two piers of the Rach Cat Bridge and one pier of the Cau Ganh Bridge. The project began 19 May 1969 and is 80% complete.

13 (OPN SPT) OS 159-68-261(c), Ong Thin Pier Protection System, 41st Engineer Company (PC): Prefabricated five floating collars and prepared them for movement to the Ong Thin Bridge site. The project was started 1 June 1969 and is 71% complete.

14 (MACV) CD 87-244-01, III CTZ MACV District Advisors, Phuoc Tuy Province, D Company, 92D Engineer Battalion (Const): Began water and sewage systems at the MACV Advisory compound, Dat Do District. The project was started 14 July 1969 and is 26% complete.

15 (BACON) 543-0302-0-01, Cantonment Facilities, 92D Engineer Battalion (Const), B Company, 92D Engineer Battalion (Const): Completed construction of four 20' x 96' troop billets. The remaining building, a BOQ, is approximately 20% complete. The project was started 1 April 1969 and is 64% complete.

16 (BACON) CD 46-226-01, Cantonment Facilities, LTN, D Company, 92D Engineer Battalion (Const): Prepared laterite pads and formed slabs for two 20' x 96' troop billets. Started prefabricating buildings. The project was started 21 July 1969 and is 20% complete.

17 (BACON) CD 46-226-01, Cantonment Facilities, 34th General Support Group, D Company, 92D Engineer Battalion (Const): Completed one 20' x 96' BOQ. Began construction of a latrine, shower, and water distribution system. Project was started 29 April 1969 and is 64% complete.

18 (BACON) CD 73-230-05, Barge Wharf, Cat Lai, 41st Engineer Company (PC): Began construction of a barge wharf with ramp at Cat Lai by driving 51 wooden piles. The project was started 5 June 1969 and is 41% complete.

FOR OFFICIAL USE ONLY

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (R1)

(d) Concrete Production and Quarry Operations: A total of 62,695 cubic yards of 3/4"(-), 1 1/2"(-), and 2"(-) rock was produced at Xom Tam Quarry by C Company, 92nd Engineer Battalion (Const) during the reporting period. Company A, 92nd Engineer Battalion produced 2,606 cubic yards of concrete with its batch plant for use by this unit and support for other units.

5. Logistics:

a. Construction Materials:

(1) All sizes of 1x, 2x, plywood and 4x4 lumber continue to be in short supply. Pre - engineered buildings and concrete block have helped reduce the requirement for lumber; however, a continuing shortage could seriously hamper future construction capability.

(2) Peneprime and cement may become critical. This battalion has a large requirement for both items in current and future projects, and the quantities on hand are insufficient to meet projected needs.

b. Construction Equipment: The Battalion has received several new items of equipment during the last quarter to fill shortages and replace unserviceable items. These include 5 ton dump trucks, D7E dozers, 290M tractors and scrapers, 1000 gallon water distributors and 250 cfm compressors. The new equipment has also helped to fill shortages caused by the recent transfer of construction equipment and tools to the ARVN.

6. Maintenance:

a. During the last quarter three companies passed re-inspections by the 20th Engineer Brigade CMMI team. One company has failed its initial CMMI inspection for FY 70 and one company has passed.

b. For the third consecutive reporting period structural cracks on 290M tractors and 18 CY scrapers continue to be a problem. A continuing effort has been made to turn in unserviceable equipment; 7 tractors and 4 scrapers have been replaced with new equipment.

FOR OFFICIAL USE ONLY

EGBD-0

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the period ending 31 July 1969, RCS CSFOR-65 (R1)

Section 2, Lessons Learned: Commander's  
Observations, Evaluations and Recommendations

1. Personnel: None.

2. Operations: Theory vs. Practice in Crusher Operations.

a. Observation: The operation of the quarry at Xcm Tam for the last period has been rated from theoretical aspects: i.e., production capacity of crusher, size of blasts required, rate of drilling, etc. Continuing evaluations of such factors are being made at higher echelons. In the near future sufficient data should become available to accurately calibrate actual production rates of all factors. This data, when coupled with the continuous though often erratic pattern of personnel rotation, will provide more realistic planning and programming of production goals.

b. Evaluation: The approach recommended below is currently being used at Xom Tam quarry, and improvement in operations has resulted; however, currently assigned goals have not been attained on a continuing basis.

c. Recommendation: Each quarry operation should be evaluated periodically by a specialist team from higher headquarters with the mission of calibration of crusher equipment as to actual production versus theoretical production analysis of drilling operations as to actual footage drilled versus theoretical footage time-motion studies of hauling, dumping, loading and stockpiling procedures for time-saving and more efficient practice and finally blast studies to include pattern design and explosive utilization to provide optimum blast yields.

3. Training: None.

4. Intelligence: None.

5. Logistics: None.

6. Organization: Quarry operations by a Construction Company.

a. Observation: The operation of the quarry at Xom Tam by an Engineer Construction Company with augmentation has been proved feasible.

b. Evaluation: The operation of a quarry by such a unit, while feasible, may continue to be inefficient because of the high monthly rate of turnover of personnel and the need to continuously retrain new, unqualified personnel. Simultaneously, the general construction capacity of the battalion has been diminished proportionately through the use of this subordinate unit on a task other than that for which it was originally organized and equipped.

EGBD-O

SUBJECT: Operational Report for the 92D Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (RI)

c. Recommendation: Due to the number of quarries currently being operated throughout the theatre, as well as the specialized equipment involved, the Quarry Detachment organization appears to be the most efficient means of obtaining optimum production. It is fully recognized that the current employment of various types of engineer units is dictated by personnel requirements and priorities; however any long term operation in the future should include consideration of providing quarry detachments of suitable size to handle high capacity equipment.

7. Maintenance: Difficulty in obtaining repair parts for non-standard equipment, and major assemblies for rock crushers.

a. Observations: A continuing shortage of repair parts for low density, high cost equipment has seriously hampered rock production at Xom Tam Quarry.

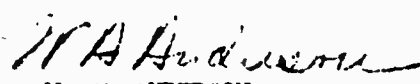
b. Evaluation: Sufficient parts have not been available for MCA-LOC drills and compressors, Pioneer 225 rock crushing equipment, and Euclids. Specifically, there is no in-country stock of engines, power take-offs and other assemblies for the Pioneer 225 ton per hour crusher. The lack of these assemblies and also the lack of in-country capability to rebuild same, creates a very serious handicap on production. To meet operational requirements, civilian contractors (RMK, Trans-Asia) have been heavily relied upon to supply and adapt non-standard repair parts for the Pioneer equipment. Right now, a sustained period of production cannot be planned due to lack of resources which would minimize down time.

c. Recommendation:

(1) Increase the stockage of Pioneer and Euclid repair parts in in-country depots to fill the immediate needs of several quarries.

(2) Insure that overpack kits (PLL and ASL) accompany equipment to the using unit.

1 Incl  
Organizational Structure

  
W. A. ANDERSON  
LTC, CE  
Commanding

DISTRIBUTION:

- 2 - CINCUSAPAC, ATTN: CPOF-DT (AIR MAIL)
- 3 - CG, USAKV, ATTN: AVHOC-DST (COURIER)
- 15 - CO, 159th Engr Gp
- 4 - CG, 20th Engr Bde, ATTN: AVBI-OPN

EGE-3(15 Aug 69) 1st Ind

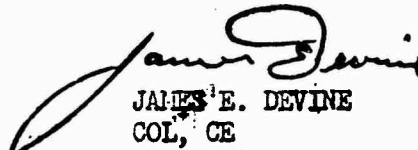
SUBJECT: Operational Report for the 92nd Engineer Battalion(Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (RI)

DA, HQ, 159th Engineer Group, APO 96491

22 August 1969

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

1. Submitted IAW USARV Reg 525-15, dated 13 April 1969 is the Operational Report Lessons Learned for the 92nd Engineer Battalion.
2. Reference: Section 2, paragraph 2. It is felt that quarry production goals are realistically estimated. They are periodically reviewed and adjusted with due consideration to past experience.
3. Reference: Section 2, paragraph 6. Although specialized units should be more proficient than non-specialized units they are not always available for the missions assigned.
4. Reference: Section 2, paragraph 7. The shortage of parts for non-standard equipment has been a continuing problem. Experience is helping to alleviate this problem. However, the supply system has not adapted to this requirement as quickly as had been hoped.
5. Subject report for the 92nd Engineer Battalion has been reviewed and is considered adequate.

  
JAMES E. DEVINE  
COL, CE  
Commanding

CF:  
CO, 92nd Engr Bn



AVBI-OS (15 Aug 69) 2nd Ind  
SUBJECT: Operational Report for the 92nd Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65(R1)

DA, HEADQUARTERS, 20TH ENGINEER BRIGADE, APO 96491

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

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

2. Subject Report for the 92nd Engineer Battalion (Construction)  
has been reviewed and considered adequate with the following comments:

SECTION II, paragraph 6, page 10: Concur that Quarry Detachments  
are desired units. As an interim action, this headquarters is studying  
the feasibility of a provisional quarry detachment utilizing the avail-  
able quarry capabilities of this brigade as a base in order to free con-  
struction units for general construction.

FOR THE COMMANDER:

*for B. Kennedy*  
B. KENNEDY  
Major, AGC  
Adjutant  
*rest adj*

Copies Furnished:  
CO, 159th Engr Gp  
CO, 92nd Engr Bn

AVHGC-DST (15 Aug 69) 3d Ind

SUBJECT: Operational Report of the 92d Engineer Battalion (Construction)  
for the Period Ending 31 July 1969, RCS CSFOR-65 (R1)

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco  
96365 13 SEP 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 July 1969 from Headquarters,  
92d Engineer Battalion (Construction).


2. Comments follow:

a. Reference item concerning "Construction Materials" Section I,  
page 9, paragraph 5a(2). At the time the report was written it appeared  
that the supply of penepime and cement would become critical. Actions  
to provide adequate quantities have recently eased the situation. The  
Long Binh Depot reports 28,458 bags of cement and 5,041 barrels of  
penepime available for issue.

b. Reference item concerning "Quarry Operations by a Construction  
Company", Section II, page 10, paragraph 6; 1st Indorsement, paragraph 3;  
2nd Indorsement, paragraph 2; concur. The USARV structure ceiling  
precludes the organization of additional units at this time, unless trade-off  
spaces are identified and MTOE action is initiated.

c. Reference item concerning "Difficulty in obtaining repair parts for  
low density, high cost equipment has seriously hampered rock production  
at Xom Tam Quarry", Section II, page 11, paragraph 7 and 1st Indorsement,  
paragraph 4; concur. Action is now underway to develop adequate PLL's  
and ASL's for both MTOE and MCA equipment. This is expected to be  
completed by 15 October 1969. PLL items of overpack kits will be forwarded  
to the receiving units. The Dynalection Corporation, a maintenance  
contractor, will be responsible for providing shop stocks for on-site  
MCA/LOC equipment maintenance teams and will provide other required  
parts from one of two existing depots.

FOR THE COMMANDER:

  
B. A. GOODWIN

CPT, AGC

Assistant Adjutant General

Cy furn:  
92d Engr Bn  
20th Engr Bde

GPOP-DT (15 Aug 69) 4th Ind

SUBJECT: Operational Report of HQ, 92d Engineer Battalion for Period  
Ending 31 July 1969, RCS CSFOR-65 (R1)

HQ, US Army, Pacific, APO San Francisco 96558 21 OCT 69

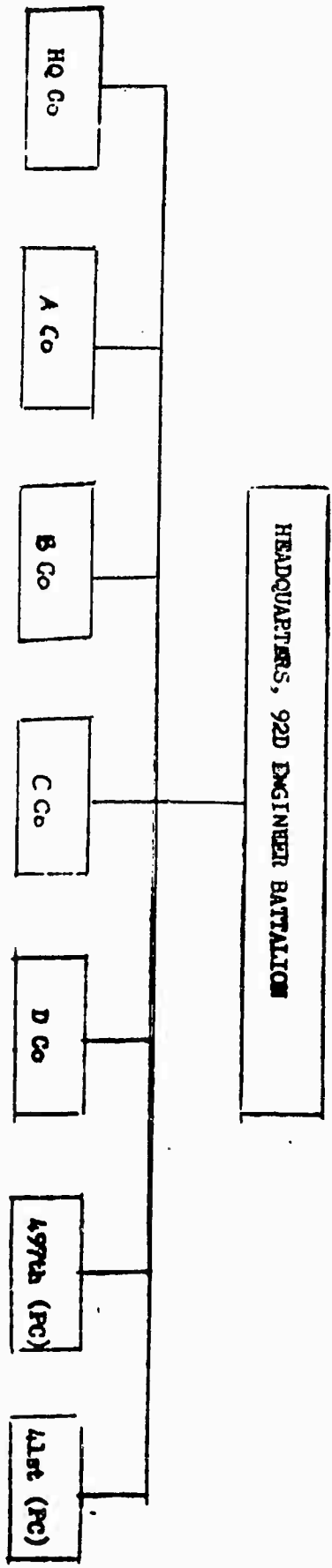
TO: Assistant Chief of Staff for Force Development, Department of the  
Army, Washington, D. C. 20310

1. This headquarters concurs in subject report, as indorsed, except as follows.
2. Reference paragraph 2, 2d Ind, subject paragraph states that a study is being made of the feasibility of organizing a provisional quarry detachment. Paragraph 2b, 3d Ind, concurs in previous comments on the subject, but states that new units cannot be formed at this time unless certain requirements can be met. This headquarters does not favor the formation of provisional units which have little or no prospect of being converted to a regular status. Such actions preclude proper management of resources, and are not in consonance with the intent of AR 220-5.

FOR THE COMMANDER IN CHIEF:



D. A. TUCKER  
CPT. AGC  
ASST AG



Incl 1

UNCLASSIFIED

Security Classification

**DOCUMENT CONTROL DATA - R & D**

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author)		2a. REPORT SECURITY CLASSIFICATION <b>FOR OFFICIAL USE ONLY</b>	
HQ, OACSFOR, DA, Washington, D.C. 20310		2b. GROUP	
3. REPORT TITLE			
Operational Report - Lessons Learned, HQ, 92d Engineer Battalion			
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)			
Experiences of unit engaged in counterinsurgency operations, 1 May 69 to 31 July 69			
5. AUTHOR(S) (First name, middle initial, last name)			
CO, 92d Engineer Battalion			
6. REPORT DATE		7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
15 August 1969		19	
8. CONTRACT OR GRANT NO.		9a. ORIGINATOR'S REPORT NUMBER(S)	
a. PROJECT NO. N/A		693325	
c.		9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)	
d.			
10. DISTRIBUTION STATEMENT			
11. SUPPLEMENTARY NOTES		12. SPONSORING MILITARY ACTIVITY	
N/A		OACSFOR, DA, Washington, D.C. 20310	
13. ABSTRACT			