

# UNCLASSIFIED

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AUTHORITY
AGO ltr, 29 Apr 1980

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HEADQUARTERS  
18TH ENGINEER BRIGADE  
APO 96307

AVBC-C

30 November 1966

SUBJECT: Operational Report-Lessons Learned (RCS CSFOR-65) for Quarterly  
Period Ending 31 October 1966

AD837831

THRU: Commanding General  
United States Army, Vietnam  
ATTN: AVC-DH  
APO 96307

Commander in Chief  
United States Army, Pacific  
ATTN: GPOF-MH  
APO 96558

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

Section 1. Significant Organization or Unit Activities.

1. President Lyndon B. Johnson, on his visit to Cam Ranh Bay, Republic of Vietnam (RVN) 26 Oct 66, awarded Purple Heart Medals to SP/4 James R. Rueth, SP/4 Joseph E. Ashley and PFC Bruce G. Bulna, members of the 35th Engineer Group (Const), 18th Engineer Brigade.

2. Distinguished visitors to this headquarters during this report period.

General Harold K. Johnson, Chief of Staff, U.S. Army

General Creighton W. Abrams, Vice Chief of Staff, U.S. Army

General Dwight E. Beach, Commander in Chief, U.S. Army, Pacific

Major General Albert O. Connor, Chief of Personnel Operations,  
U.S. Army

3. Effective 1 Nov 66, Brigadier General Robert R. Ploger, Commanding General, 18th Engineer Brigade, was promoted to the rank of Major General. MG Ploger was "pinned" during a ceremony in the office of Lieutenant General Jean E. Engler, Deputy Commanding General, United States Army, Vietnam (USARV).

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4. Key officer personnel replacements joining the brigade and attached units during this reporting period are as listed below:

<u>NAMES</u>	<u>POSITION AND UNIT</u>
LTC Charles P. Townsend	Asst Chief of Operations, 18th Engr Bde
MAJ Richard W. Stevens	Operations Officer, 18th Engr Bde
MAJ Kendrick Holle	Asst Operations Officer, 18th Engr Bde
LTC Walter C. Geline	Cmd Off, 79th Engr Gp (Const)
LTC Ray S. Hansen	Cmd Off, 864th Engr Bn (Const)
LTC William A. Rank	Cmd Off, 84th Engr Bn (Const)

5. The following units arrived in-country during this reporting period:

<u>UNIT</u>	<u>CO</u>	<u>ATCH</u>
14th Engr Bn (Cbt)	LTC William P. Brandis	35th Engr Gp (Const)
27th Engr Bn (Cbt)	LTC Charles R. Roberts	79th Engr Gp (Const)
43d Engr Co (Dp Trk)	CPT Edwin P. Fox	159th Engr Gp (Const)
66th Engr Co (Repo)	CPT John R. Anthony Jr.	79th Engr Gp (Const)
73d Engr Co (Const Spt)	CPT Mark D. Malkasian	45th Engr Gp (Const)
86th Engr Bn (Cbt)	LTC Colin M. Carter Jr.	79th Engr Gp (Const)
100th Engr Co (Float Brg)	CPT Richard W. Vreeland	79th Engr Gp (Const)
444th Engr Det (Pave)	2LT John E. Parker	45th Engr Gp (Const)
554th Engr Co (Float Brg)	CPT Dion S. Dishong	45th Engr Gp (Const)
577th Engr Bn (Const)	LTC James L. Kelly	45th Engr Gp (Const)
585th Engr Co (Dp Trk)	CPT G. E. Kinyon	937th Engr Gp (Cbt)
588th Engr Det (Well Drill)	(A tech team det)	35th Engr Gp (Const)
617th Engr Co (Panel Brg)	CPT Barron I. Vernon	79th Engr Gp (Const)
921st Engr Gp (Cbt)	LTC William P. Gardiner	18th Engr Bde

6. Late in July 1966, the brigade received authority from HQ, USARV to approve the award of the following military medals (individual): Bronze Star Medal, Air Medal, Purple Heart Medal and Army Commendation Medal. The following is a totaling of approvals for awarding, as a result of recommendations for qualifying individuals from brigade units during this report period:

<u>MEDALS</u>	<u>OFFICERS</u>	<u>WO</u>	<u>EM</u>	<u>TOTALS</u>
Bronze Star	51	7	*39	97
Air Medal	25	13	25	63
Purple Heart	—	—	10	10
Army Commendation	29	12	85	126
	Awards Total--			296

7. On 16 Sep 66, coordination was made with G3, USARV on the proposed move of the HHC, 18th Engineer Brigade from Tan Son Nhut to Bien Hoa. The

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Protection Board was reviewed and the results of boards held are now disseminated down to units and individuals, this ensures that all personnel concerned are informed of their status within the command.

g. Testing Control: A new system was implemented whereby personnel due for MCS testing upon return to CONUS are furnished the MCS test aids required prior to departure from RVN. A Test Control Officer was appointed and procedures were established to requisition and distribute test material expeditiously.

h. Passports: A Passport Control Officer was appointed and a plan implemented to enable personnel requiring passports to visit or make stopovers in foreign countries, to initiate applications with the assistance of this officer. Passports are secured with less delay than before.

i. Transportation Program: Effective 1 October 1966, the groups were given control of transportation for personnel within their commands going to CONUS. Brigade headquarters allocates all USAFV allocated seats. Groups issue DD Form 1482 and booking instructions before the individual leaves for Saigon to depart for CONUS. All allocated seats are distributed in accordance with monthly reports received from groups. Any turn-backs are redistributed by brigade, as needed. Personnel departing for CONUS presently report to 90th Repl Bn., Long Binh, at which time they are processed for flight. This program has been in operation for one month and it is considered effective. One minor problem has occurred. Many individuals find it very difficult to secure transportation to the Saigon area, this is due to the number of men that leave a unit during a given period. All individuals must be booked in advance. The problem will be alleviated through experience, observation and further coordination.

j. RAR Program: The brigade RAR program has expanded considerably during the past few months. This is due to the increase in cities permitted to visit. The RAR cities are as follows: Bangkok, Hong Kong, Taipei, Tokyo, Manila, Singapore, Peking, Kuala Lumpur and Hawaii. Allocations have also increased. The groups are not presently filling all seats because of a large turn-over of personnel in the next few months, but this will improve with time. RAR flights now depart Tan Son Nhut, Da Nang and Nha Trang. By having three departure points it has reduced the brigade administrative flight facilities requirements and improved the morale of individuals since they now do not have to make the long trip to Saigon to depart on RAR.

9. This unit was engaged for a total of twelve days training during the report period. Training consisted of two days on the rifle range at Tan Son Nhut for familiarization and zeroing of individual assigned weapons. The majority of training time was spent on daily motor stables. Two hours each Saturday were spent for unit quarters and ranks inspection, troop information program, commander's time, care and cleaning of individual and organizational equipment, safety, and supply economy.

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10. No troop movements were performed this report period.

11. Less the training time noted in paragraph 9 above, the report period was consumed in unit operations with on-the-job training integrated within each staff section and the unit headquarters. This is a continuous training program necessary to prevent job performance lag in recognition of individual rotation to COMUS and receipt of some semi-trained replacements.

12. A study was completed during this period on organizing an engineer command. The purpose of this study was to determine an organization that can efficiently accomplish the dual function of the USAFV Staff Engineer and provide a headquarters capable of commanding the non-divisional engineer combat and construction units in the RVN. Upon completion of this study, action was initiated to develop a table of distribution and allowances for an engineer command for approval to become effective 1 Dec 66, or as soon thereafter as possible.

13. A study was initiated to prepare a table of distribution and allowances to implement Operation Paul Bunyan. This action was required by the US Military Assistant Command, Vietnam (MACV) Planning Directive No 10-66, dated 23 September 1966 (C).

14. On 3 October 1966, Modified Tables of Organization and Equipment (MTOE) were submitted to USAFV, G3, to augment the capabilities of the following units: Seven combat battalions, six construction battalions, two construction group headquarters and one dump truck company. Combined with a request to convert combat battalions from D to E series TOEs were three separate augmentation requests:

a. Each headquarters company of the combat battalions be augmented with vertical construction section of twenty-four men,

b. Each line company of the construction battalions be augmented with a rock processing and quarry section of forty-four men.

c. Each equipment and maintenance company, of the construction battalions, be augmented with a powderman section of three men.

15. The brigade began the program of converting construction reporting to an automatic data processing system. The first step was to determine necessary information and data which must be kept on file. This was obtained by interviews with higher headquarters and from review of current reports generated and received by this headquarters. The resulting data was then extracted from existing manual records and placed in a master file of punched cards. Concurrently with this, computer programs were developed which would produce the required reports from the data in the master file. At present, the master file is 85% complete and the program are 90% operational. The ADP system should go into effect during the month of December.

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16. The brigade units began receiving new caterpillar D7E crawler tractors in Oct 66. This being a new item in the engineer equipment inventory in the RVN, the immediate need for operator training was apparent. To assist in operator training, the brigade established a training program at group level using qualified technical representatives now in RVN for assistance.

17. The brigade Chaplain was on an accelerated travel schedule this report period in order to cover his Chapel Program activities and brief many new chaplains arriving in the RVN.

a. The following Chaplains joined the brigade during the period 1 Aug - 31 Oct 66:

<u>NAME</u>	<u>ASSIGNMENT</u>
*MAJ Harold L. Reinhardt	921st Engr Cp (Cbt)
*MAJ Thomas L. Strayhand	557th Engr Bn (Const)
*CPT Peter A. Molnar	86th Engr Bn (Cbt)
CPT Philip R. Lanothe	87th Engr Bn (Const)
CPT John A. Bakestraw	864th Engr Bn (Const)
*CPT David C. Gavin	14th Engr Bn (Cbt)
*CPT Harold G. Woodworth	27th Engr Bn (Cbt)
CPT Marvin L. Zimbelman	588th Engr Bn (Cbt)
CPT Calvin V. Swearingin	19th Engr Bn (Cbt)
CPT James R. McClements	70th Engr Bn (Cbt)
CPT Joseph L. Russett	299th Engr Bn (Cbt)

\*arrived with unit of assignment, others as individual replacements.

b. There are presently 22 Chaplains in the brigade with two battalion spaces vacant. Due to a present necessity to conserve Chaplain strength, the USARV Chaplain's office has intentionally not replaced the Chaplain in the 46th Engr Bn (Const). However, the close proximity of the battalion to the headquarters of the 159th Engineer Group (Const), makes it possible for the Group Chaplain to provide adequate religious coverage to this battalion.

c. Chapel Facilities: Chapels do not have a high priority on construction. However, through the use of volunteers and contract labor, chapel facilities in the brigade have shown a gradual improvement as time and resources permit. Each quarter more chapels appear and present ones upgraded in their standard.

18. The brigade information office initiated printing of the brigade newspaper, "The Castle Courier", by letterpress on 30 September. Formerly, the paper has been mimeographed. This became possible with the addition of a clerk and an information specialist, the latter having extensive experience in newspaper production. Letterpress printing was deemed necessary

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to permit adequate coverage of unit events, to stimulate and reward photographic coverage of unit events and to produce a more attractive product of which brigade members could be proud. The newspaper is printed by local Vietnamese shop with funds obtained from the Saigon Central Post Fund (nonappropriated) on a quarterly basis. Reception of the newspaper within the brigade has been excellent. Requests to be added to the mailing list have been received from as far away as Germany due to personnel sending copies home or to former duty stations.

## Section 2, Part I, Observations (Lessons Learned).

### Operations

#### ITEM: M8A1 Steel Mat Non-Skid Surfacing.

DISCUSSION: The M8A1 steel mat has been observed to be very slippery when wet. Preliminary results indicate that T-17 nonskid compound applied to the top surface of the M8A1 mat will provide an improved braking surface during inclement weather. No extensive experiments have been conducted in RVN to date.

OBSERVATION: The application of a nonskid compound to M8A1 steel mat improves the braking surface during inclement weather.

#### ITEM: M8A1 Landing Mat.

DISCUSSION: Considerable concern has arisen over the damage incurred by C-130 tires in landing on already placed M8A1 steel landing mat from an initial shipment. This damage is caused by a sharp edge found on the male connector side of each panel.

OBSERVATION: It has been found that by grinding the sharp edge off that the adverse effect is eliminated. A test landing of a loaded C-130 was conducted on the corrected M8A1 mat and inspection of the tires revealed no damage incurred by the landing. Information concerning this corrective procedure has been disseminated to subordinate units of the brigade for follow-up action. Subsequent shipments will not have this defect.

#### ITEM: Compaction of Laterite.

DISCUSSION: When using laterite as a construction material, the compactive effort applied is the most important step to a successful end product. This also applies to other similar construction materials.

OBSERVATION: A laterite road, hardstand, runway, or base course will provide a substantial, easily maintained, all-weather surface when properly compacted within the limits of the optimum moisture content. This has been proven on the Phuoc Vinh C-130 airstrip and the internal road net of the Long Binh ammunition storage area. This information is continuously disseminated to subordinate units of the brigade, and higher headquarters.

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SUBJECT: Operational Report-Lessons Learned (RCS GSFOB-65) for Quarterly Period Ending 31 October 1966

ITEM: Well Drilling.

DISCUSSION: During this report period, emphasis was placed on well drilling and water point development. The well drilling program to date has been hampered, to a large degree, by a lack of supplies such as screen, pumps and casing. The well drilling detachments arrived in-country on a timely schedule and were well trained, but lack of in-country supplies hampered operation considerably.

OBSERVATION: Action was taken to request from Department of the Army, that a basic load of well drilling supplies accompany each detachment when it deploys to the RVN. This basic load will keep the unit in operation for a two month period, at which time normal requisitioning procedures would create proper demands and thus place supplies in depot stocks.

ITEM: Bridge Classification Posting.

DISCUSSION: On numerous occasions during the period, tactical units overloaded bridges causing failure of the bridge and in some cases damage to vehicles.

OBSERVATION: Bridge classifications, initially posted, have been removed by personnel unknown. Groups were required to maintain a constant survey within their areas and report bridges as appropriate. Tactical commanders have been notified.

Logistics

ITEM: Repair Parts Support.

DISCUSSION: Items of equipment still remain on deadline for excessive periods of time due to lack of repair parts support. Productivity of engineer equipment averages less than 60% due to waiting for parts. Many letters and messages have been sent to USARV and 1st Logistical Command on this subject. In addition, lack of repair parts affects the DX and maintenance float problem. This is due to lack of repair parts to repair many DX items and repair Ordnance items that could be used as maintenance floats.

OBSERVATION: 1st Logistical Command should place emphasis on the location of repair parts in-country to make them available for issue to units requiring them.

ITEM: Maintenance Inspection of Units.

DISCUSSION: The 18th Engineer Brigade has instituted a series of unit maintenance inspections to determine the status of maintenance in units within the command and to assist where necessary. A theater GMMI program

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is needed whereby AR 750-8 is more clearly implemented. USARV Reg 750-8 does not presently contain these necessary standards to perform such an inspection. AR 750-8 states that the Army level will establish these standards.

OBSERVATION: The brigade is establishing basic standards with AR 750-8 and accumulated RVN operational experience as guidance and forming a QMI team for action within the brigade pending receipt of clearer theater standards from USARV.

ITG: Training of Mess Personnel.

DISCUSSION: Most brigade units utilize QJT for cooks and cook's helpers with classes presented by Group Food Service Personnel. Further training is required from time to time for mess stewards and mess officers in records management; field sanitation and operation of ration break down points; and delivery of rations to units in remote locations.

OBSERVATION: Utilization of a "Traveling Food Service Instructor Team" manned by Brigade Food Service Personnel with assistance from each group being visited was most successful in reaching the maximum number of units and in providing correct information and technique.

#### Section 2, Part II, Recommendations

Recommendations: That Medical Evacuee processings have a suspense date commensurate with the concerned unit's distance from the receiving headquarters generating the report.

That the current bridge classification posting programs be continued to include reminders to commanders as necessary.

That an extensive test be conducted in CONUS to determine the optimum nonskid compound for M&A steel decks which will provide an improved all-weather use of the strips layed with M&A and an increased safety factor for aircraft using these strips. Early advisement is requested.

FOR THE COMMANDER:

2 Incl

1. Brigade Station List
2. Completed Projects

RICHARD J. DUCOTE  
Colonel, GS  
Chief of Staff

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AVHGC-EH (30 Nov 66) 1st Ind  
SUBJECT: Operational Report-Lessons Learned for the Period Ending  
31 October 1966 (RCS CSFOR-65)

HEADQUARTERS, UNITED STATES ARMY VIETNAM, APO San Francisco 96307 9 FEB 1967

TO: Commander in Chief, United States Army, Pacific, ATTNE GPOF-OT  
APO 96558

1. This headquarters has reviewed the Operational Report-Lessons Learned for the period ending 31 October 1966 from Headquarters, 18th Engineer Brigade.

2. Pertinent comments are as follows:

a. Reference Paragraph 14, Section I, Page 5: MTOE was forwarded by this headquarters on 5 October 1966.

b. Reference Part I, Section 2, Item: Repair Parts Support, Page 8: Observation concerning repair parts support has received the relentless attention of this headquarters. All subordinate commands and supply agencies are fully cognizant of the situation and are exerting every effort to improve supply responsiveness. Improvement is being achieved but pending complete resolution of the problem continued resort to the Red Ball Express program is mandatory.

c. Reference Paragraph 8e, Section I, Page 3 and 1st Paragraph, Section 2, Part II, Page 9:

(1) Nonconcur. Every possible effort must be made, by all concerned, to ship records, personal effects and mail to each individual who is medically evacuated out-of-country. Most commands, including combat commands which are also widely dispersed, do complete required actions within the prescribed 10-day suspense. To assist all commands in this regard, a system was initiated on 1 January 1967 by this headquarters to notify all commands, by priority message, of individuals medically evacuated out-of-country; notification is normally made on the date of evacuation. The fast notification by message offsets time lost in transmission time for correspondence and allows the command to immediately initiate necessary actions before receipt of the correspondence with the PCS-evacuation orders. The morale considerations of required actions dictate that action be expedited, not further delayed. There is keen interest in this program at the highest levels of command.

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AVECC-DH (30 Nov 66)

9 FEB 1967

SUBJECT: Operational Report-Lessons Learned for the Period Ending  
31 October 1966 (ECS CSFOR-65)

(2) The problem has been partially solved by the message notification system (paragraph 2c(1) above). A complete solution can be achieved by a vigorous program within the command to follow-up on a daily basis to insure timely completion of all actions. This should include daily telephone calls and messages to subordinate units. Command interest and support is essential to solving the problem.

(3) The Engineer Command was advised of the new message notification procedure on 1 January 1967. Also, the command was previously furnished a letter from the Headquarters USAFV Command Group which enjoined active support for the Medical Evacuation program. Bi-monthly, the command is furnished a roster of all overdue actions and is requested to complete actions as soon as possible.

d. Reference 2d Paragraph, Section 2, Part II, Page 9:  
This program has received continuous command emphasis.

e. Reference 3d Paragraph, Section 2, Part II, Page 9:  
This test is being conducted at Waterways Experiment Station, Vicksburg, Mississippi and at the Army Airfield, Cam Ranh Bay, RVN.

FOR THE COMMANDER:



STANLEY E. SCHULTS  
Major, AGC  
Asst Adjutant General

2 Incl  
nc

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GPOP-OT(30 Nov 66)

2d Ind

SUBJECT: Operational Report-Lessons Learned for the Period Ending  
31 October 1966 (RCS CSFOR-65), HQ 18th Engr Bde

HQ, US ARMY, PACIFIC, APO San Francisco 96558

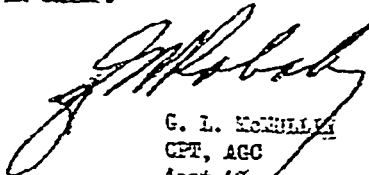
8 MAR 1967

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

1. This headquarters concurs with the basic report as indorsed.
2. Reference paragraph 2a, 1st Indorsement. The MTOE for 18th Engineer Brigade was forwarded to DA on 19 December 1966.

FOR THE COMMANDER IN CHIEF:

2 Incl  
nc

  
G. L. McRULLEN  
CPT, AGC  
Asst AG

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UNIT	LOCATION	MAJOR COMD	LS GO#	APD	GO DATE
14th Engr Bn	Dong Ba Train	35th Gp	132/66	96316	24 Oct 66
15th Engr Bn (Cbt)	Long Khanh	159th Gp	134/66		4 Nov 66
18th Engr Bde	Tan Son Nhut	USARV	*1445/65	96307	10 Sep 65
19th Engr Bn (Cbt)	Qui Nhon	45th Gp	5/65	96238	10 Sep 65
20th Engr Bn (Cbt)(-)	Pleiku	937th Gp	40/66	96318	15 Jun 66
26th MH Det	Tan Son Nhut	USARV	5587/66	96307	8 Sep 66
27th Engr Bn (Co C) (Cbt)	Xuan Loc	79th Gp	76/66	96491	26 Aug 66
27th Engr Bn (Cbt) (-)	Xuan Loc	79th Gp	116/66	96431	8 Oct 66
35th Engr Bn	Qui Nhon	45th Gp		96238	
35th Engr Gp (Const)	Cam Ranh Bay	18th Bde	*791/65	96312	10 Jun 65
38th Engr Det (WD)	Lai Khe	79th Gp	53/66	96227	20 Jul 66
39th Engr Bn (Cbt)	Tuy Hoa	45th Gp	40/66	96316	10 Jun 66
39th Engr Det (HQ)	Cam Ranh Bay	35th Gp	97/66	96312	23 Sep 66
43d Engr Co (DF)	Long Binh	159th Gp	116/66	96431	8 Oct 66
45th Engr Gp (Const)	Tuy Hoa	18th Bde	*3598/66	96316	8 Jun 66
45th Engr Bn (Const)	Long Binh	159th Gp	20/66	96491	31 Oct 66
62d Engr Bn (Const)	Phan Rang	35th Gp	5/65	96312	10 Sep 65
66th Engr Co (TGPC)	Long Binh	79th Gp	116/66	96491	8 Oct 66
70th Engr Bn (Cbt)	An Khe	937th Gp	5/65	96294	25 Aug 65 ✓
73d Engr Co (CS)	Qui Nhon	45th Gp	116/66	96238	8 Oct 66
79th Engr Gp (Const)	Long Binh	18th Bde	53/66	96491	20 Jul 66
84th Engr Bn (Const)	Qui Nhon	45th Gp	5/65	96238	15 Jun 65
86th Engr Bn (Cbt)	Phu Loi	79th Gp	126/66	96491	24 Oct 66
87th Engr Bn (Const)	Cam Ranh Bay	35th Gp	5/65	96312	24 Aug 65
100th Engr Co (PB)	Phu Loi	79th Gp	132/66	96491	31 Oct 66
102d Engr Co (CS)	Cam Ranh Bay	35th Gp	5/65	96312	31 Aug 65
103d Engr Co (CS)	Long Binh	159th Gp	14/66	96491	23 Jan 66
156th Engr Det (WD)	Di An	79th Gp	53/66	96227	20 Jul 66
159th Engr Gp (Const)	Long Binh	18th Bde	*74/65	96491	29 Oct 65
168th Engr Bn (Cbt)(-)	Di An	79th Gp	53/66	96227	20 Jul 66
169th Engr Bn (Const)	Long Binh	159th Gp	40/66	96491	3 Jun 66
171st Engr Det (WD)	Nha Trang	35th Gp	37/66	96240	13 Jun 66
299th Engr Bn (Cbt)	Pleiku	937th Gp	8/65	96318	26 Oct 65
362d Engr Co (LS)	Cu Chi	79th Gp	53/66	96353	20 Jul 66
444th Engr Det (HQ)	Qui Nhon	45th Gp	97/66	96238	23 Sep 66
497th Engr Co (PC)	Cam Ranh Bay	35th Gp	5/65	96312	1 Sep 65
509th Engr Co (PB)	Qui Nhon	937th Gp	5/65	96238	3 Sep 65
511th Engr Co (PB)	An Khe	937th Gp	5/65	96294	3 Sep 65
513th Engr Co (DF)	Dong Ba Thien	45th Gp	40/66	96312	15 Jun 66
536th Engr Plt (PC)	Vung Tau	159th Gp	14/66	96291	7 Feb 66
547th Engr Plt (HD)	Saigon	18th Bde	*1763/65	96307	24 Oct 65
552nd Engr Co (PB)	Tuy Hoa	45th Gp	40/66	96316	12 Jul 66
554th Engr Co (PB)	Qui Nhon	45th Gp	116/66	96238	8 Oct 66
557th Engr Co (LS)	Long Binh	79th Gp	53/66	96491	20 Jul 66
569th Engr Co (TGPC)	Nha Trang	35th Gp	7/65	96240	14 Sep 65
572d Engr Co (LS)	Tuy Hoa	45th Gp	40/66	96316	10 Jun 66
577th Engr Bn (Const)	Tuy Hoa	45th Gp	53/66	96312	4 Aug 66
577th Engr Bn (Co C)	Long Binh	159th Gp	53/66	96491	4 Aug 66
579th Engr Det (Terr)	Tan Son Nhut	18th Bde	15/66	96307	22 Mar 66
584th Engr Co (LS)	Pleiku	937th Gp	40/66	96318	15 Jun 66
585th Engr Co (DF)	Qui Nhon	937th Gp	101/66	96238	26 Sep 66
588th Engr Bn (Cbt)	Cu Chi	79th Gp	53/66	96491	20 Jul 66
588th Engr Det (WD)	Nha Trang	35th Gp	82/66	96240	3 Sep 66
617th Engr Co (PB)	Long Binh	79th Gp	97/66	96491	23 Sep 66
643d Engr Co (PL)	Long Binh	159th Gp		96491	
630th Engr Co (LS)	Pleiku	937th Gp	8/65	96318	21 Oct 65
864th Engr Bn (Const)(-)	Cam Ranh Bay	35th Gp	97/66	96312	23 Sep 66
917th Engr Det (WD)	Phuoc Vich	79th Gp	53/66	96312	20 Jul 66
921st Engr Gp (Cbt)	Dong Ba Thien	18th Bde	*5955/66	96312	8 Oct 66
927th Engr Gp (Cbt)	Pleiku	18th Bde	*791/65	96318	24 Aug 66

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16TH ENGINEER BRIGADE

CONSTRUCTION PROJECTS COMPLETED DURING AUG/OCT 66 QUARTERLY PERIOD

<u>DIRECTIVE #</u>	<u>TITLE</u>	<u>SIZE</u>
66-108C-35	POL Jetty Repair	Cam Ranh Bay
66-151C-35	Microwave Relay Site	Cam Ranh Bay
65-49DC-35	Depot Security	Nha Trang
65-59DC-159	Sig Instl Site Preparation	Long Binh
65-5DC-46	Ammo Storage Facility	Vung Tau
66-58C-937	Airfield Rehabilitation	An Khe
65-8C-937	Road Construction	An Khe
65-70DC-35	Community Facility (PX)	Cam Ranh Bay
66-163C-35	Beach Landing Repair	Cam Ranh Bay
66-19DC-159	Log Depot Facilities	Long Binh
66-134C-159	USAID Compound Quonsets	Long Binh
65-8DC-159	400 Bed Hospital	Vung Tau
66-23DC-45	Hospital and Convalescent Center	Cam Ranh Bay
66-134C-159	USAID Compound Quonsets	Tan Son Nhut
66-8DC-159	400 Bed Hospital	Long Binh
66-79DC-159	USAID Cover Storage	Tan Duc Island
66-17DC-35	Storage Hardstand	Cam Ranh Bay
66-144DC-159	610 Man Cantonment	Xuan Loc
66-104DC-45	Barge Unloading Facility	Dong Nai Riv
65-30DC-79	Heliport (30 UH-1)	Phuoc Vinh
66-175DC-159	Staging Area	Long Binh
66-174DC-159	Dispensary	Long Binh
66-109DC-35	Canseway and Abutment, Delong Pier # 2	Cam Ranh Bay
66-136C-159	Administrative Buildings	Long Binh
66-5DC-159	3400 Man Cantonment	Vung Tau
66-56DC-35	Hardstand	Cam Ranh Bay
66-68DC-35	Parking Hardstand	Cam Ranh Bay
66-101DC-35	Troopscatter	Anhac Broye
66-114DC-937	1900 Man Cantonment	An Khe
66-3C-937	Security Guard Towers	An Khe
66-137D-937	Pipeline An Khe	An Khe - Pleiku
66-147C-937	Administrative Buildings and Warehouse	Pleiku
66-161D-35	Sheetpile Bulkhead	Cam Ranh Bay
66-178DC-35	Open Storage Depot	Cam Ranh Bay
66-1C-159	Cover Storage	Vung Tau
65-69DC-937	POL Facilities	Qui Nhon
66-40DC-937	Dial Control Office	An Khe
66-87DC-35	Medical Warehouse Storage	Cam Ranh Bay

Inclosure # 2

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