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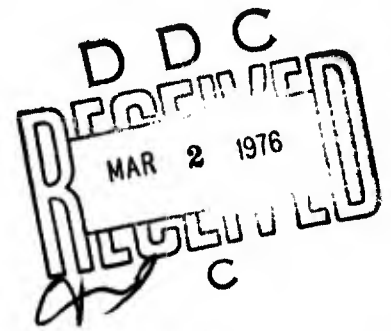
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**BOMB DAMAGE REPAIR (BDR)
DAMAGE PREDICTION**

VOLUME II - APPENDICES

MARTIN MARIETTA CORPORATION
ORLANDO DIVISION
ORLANDO, FLORIDA 32805



OCTOBER 1975

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AIR FORCE CIVIL ENGINEERING CENTER

(AIR FORCE SYSTEMS COMMAND)

TYNDALL AIR FORCE BASE

FLORIDA 32401

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18. SUPPLEMENTARY NOTES Available in DDC	19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Civil Engineering Weapon Effects Soil Mechanics	20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Several test programs have been conducted in recent years to define the level of damage sustained by airfield pavement systems which are subjected to conventional weapon detonations. Knowledge of airfield damage and the capability to predict damage from possible hostile attack are required to allow Bomb Damage Repair (BDR) personnel to plan base recovery activity and rapid runway repair. The objective of the effort reported herein was to collect existing data on airfield pavement effects, as functions of pavement and weapon parameters, identify those

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20. ABSTRACT (Concluded)

parameters having a significant effect on pavement damage, repair time effort, and ^{to} generate damage prediction relationships for use by BDR engineers. During this effort the collected data were placed in a consistent format in a computerized data file. By plotting the data and subjecting them to various analytical procedures, significant parameters affecting damage were identified. Mathematical relationships were developed between the data, and damage prediction nomographs were generated for the three repair levels considered. These prediction relationships are in a format readily usable by field personnel and enable rapid damage prediction computations and subsequent runway repair planning operations. Recommendations are presented for expanding the data base and for completing additional analysis to further enhance applicability of the developed methodology.

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FOREWORD

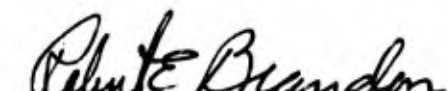
This final report was prepared by the Martin Marietta Corporation, Orlando, Florida, and documents work completed under Contract Number F29601-75-C-0053 with the Air Force Civil Engineering Center, Tyndall Air Force Base, Florida. The effort originated with the Air Force Weapons Laboratory, Kirtland Air Force Base, New Mexico, which had program responsibility prior to reorganization and transfer to AFCEC.


This document was prepared by Messrs. George W. Brooks, John E. Cunningham, and Paul W. Mayer, under the direction of Mr. William R. Porter, Chief of Warhead Technology for Martin Marietta Corporation, Orlando, Florida. The authors are indebted to several persons and organizations for their assistance in completing the reported effort, particularly for help in locating pertinent data. These sources include Lt. Raymond S. Rollings of AFCEC, who was the Project Officer in-charge and is currently responsible for much BDR development work; Captain L. D. Hokanson, AFIT, Wright-Patterson Air Force Base, Ohio, who has been involved with BDR for several years and who supplied much data and insight into the problems; Mr. L. K. Davis, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi who provided data and valuable discussions concerning pavement damage analysis; numerous persons at the Air Force Armament Laboratory, Eglin Air Force Base, Florida, who are associated with airfield vulnerability and analysis of munition effects (including Government/Contractor personnel at the Nonnuclear Munitions Information Analysis Center); and personnel of the Air Force Flight Dynamics Laboratory, Wright-Patterson Air Force Base, Ohio, who supplied data on runway roughness effects.

This report is published in two volumes; the first contains the main technical discussion, and the second consists of two appendices presenting supporting technical data.

This technical report has been reviewed and is approved for publication.


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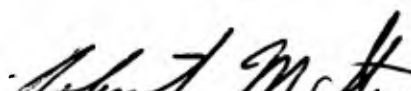

Robert M. Iten, Col USAF
Commander

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APPENDIX A

DATA FILE

Appendix A contains a record of the complete data file developed and computerized during the Bomb Damage Repair (BDR) Damage Prediction Program. Information concerning the use of this data file is contained in Volume I of this report. An index of the 193 records is presented first, followed by the detailed listing of bomb damage data. It will be noticed that the data file is maintained in a standard set of units (inch-pound-second). Output routines used to plot and otherwise manipulate the data have a unit conversion capability to present the data in any desired units.

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CRF ATION DATE	DATE LAST UPDATED	COMMENTS
1	3	HAYS	H30	05.28.75	09.17.75	5 LB. C4, DOB# 54 IN., THICKNESS# 8.5 IN
2	2	HAYS	H31	05.28.75	09.17.75	5 LB. C4, DOB# 33 IN., THICKNESS# 10. IN
3	2	HAYS	H32	05.28.75	09.17.75	5 LB. C4, DOB# 17 IN., THICKNESS# 8.5 IN
4	2	HAYS	H33	05.28.75	09.17.75	5 LB. C4, DOB# 10 IN., THICKNESS# 8.5 IN
5	2	HAYS	H34	05.28.75	09.17.75	5 LB. C4, DOB# 10 IN., THICKNESS# 8.5 IN
6	2	HAYS	H35	05.28.75	09.17.75	5 LB. C4, DOB# 10 IN., THICKNESS# 8.5 IN
7	2	HAYS	H36	05.28.75	09.17.75	5 LB. C4, DOB# 20 IN., THICKNESS# 8.0 IN
8	2	HAYS	H37	05.28.75	09.17.75	5 LB. C4, DOB# 20 IN., THICKNESS# 8.0 IN
9	2	HAYS	H38	05.28.75	09.17.75	5 LB. C4, DOB# 20 IN., THICKNESS# 9.5 IN
10	2	HAYS	H39	05.28.75	09.17.75	5 LB. C4, DOB# 30 IN., THICKNESS# 10. IN
11	3	HAYS	H40	05.28.75	09.17.75	5 LB. C4, DOB# 30 IN., THICKNESS# 8.0 IN
12	2	HAYS	H41	05.28.75	09.17.75	5 LB. C4, DOB# 30 IN., THICKNESS# 8.0 IN
13	3	HAYS	H42	05.28.75	09.17.75	5 LB. C4, DOB# 40 IN., THICKNESS# 10. IN
14	2	HAYS	H43	05.28.75	09.17.75	5 LB. C4, DOB# 40 IN., THICKNESS# 8.0 IN
15	3	HAYS	H44	05.28.75	09.17.75	5 LB. C4, DOB# 40 IN., THICKNESS# 10. IN
16	3	HAYS	H45	05.28.75	09.17.75	5 LB. C4, DOB# 50 IN., THICKNESS# 10. IN
17	2	HAYS	H46	05.28.75	09.17.75	5 LB. C4, DOB# 10 IN., THICKNESS# 8.5 IN
18	3	HAYS	H47	05.28.75	09.17.75	5 LB. C4, DOB# 20 IN., THICKNESS# 8.0 IN
19	2	HAYS	H48	05.28.75	09.17.75	5 LB. C4, DOB# 30 IN., THICKNESS# 8.5 IN
20	2	HAYS	H49	05.28.75	09.17.75	5 LB. C4, DOB# 40 IN., THICKNESS# 8.0 IN
21	3	HAYS	H50	05.28.75	09.17.75	5 LB. C4, DOB# 40 IN., THICKNESS# 8.5 IN
22	2	HAYS	H52	05.28.75	09.17.75	5 LB. C4, DOB# 50 IN., THICKNESS# 8.5 IN
23	2	HAYS	H53	05.28.75	09.17.75	5 LB. C4, DOB# 50 IN., THICKNESS# 8.0 IN
24	2	HAYS	H1	05.28.75	09.17.75	15 LB. C4, 10 IN. DOB, 10.0 IN PAVEMENT
25	4	HAYS	H2	05.28.75	09.17.75	15 LB. C4, 10 IN. DOB, 8.50 IN PAVEMENT
26	3	HAYS	H3	05.28.75	09.17.75	15 LB. C4, 10 IN. DOB, 10.0 IN PAVEMENT
27	3	HAYS	H4	05.28.75	09.17.75	15 LB. C4, 30 IN. DOB, 10.0 IN PAVEMENT
28	3	HAYS	H5	05.28.75	09.17.75	15 LB. C4, 30 IN. DOB, 10.0 IN PAVEMENT
29	2	HAYS	H6	05.28.75	09.17.75	15 LB. C4, 30 IN. DOB, 8.50 IN PAVEMENT
30	2	HAYS	H7	05.28.75	09.17.75	15 LB. C4, 50 IN. DOB, 8.50 IN PAVEMENT
31	2	HAYS	H8	05.28.75	09.17.75	15 LB. C4, 50 IN. DOB, 10.0 IN PAVEMENT
32	3	HAYS	H9	05.28.75	09.17.75	15 LB. C4, 50 IN. DOB, 8.50 IN PAVEMENT
33	2	HAYS	H10	05.28.75	09.17.75	15 LB. C4, 70 IN. DOB, 11.0 IN PAVEMENT
34	3	HAYS	H12	05.28.75	09.17.75	15 LB. C4, 90 IN. DOB, 8.50 IN PAVEMENT
35	2	HAYS	H13	05.28.75	09.17.75	15 LB. C4, 90 IN. DOB, 11.0 IN PAVEMENT
36	2	HAYS	H14	05.28.75	09.17.75	15 LB. C4, 90 IN. DOB, 8.50 IN PAVEMENT
37	2	HAYS	H15	05.28.75	09.17.75	15 LB. C4, 110 IN. DOB, 10.0 IN PAVEMENT
38	2	HAYS	H16	05.28.75	09.17.75	15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT
39	2	HAYS	H17	05.28.75	09.17.75	15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT
40	2	HAYS	H18	05.28.75	09.17.75	15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
41	3	HAYS	H19	05-28-75	09-17-75	15 LB. C4, 30 IN. DOB, 10.0 IN PAVEMENT
42	4	HAYS	H20	05-28-75	09-17-75	15 LB. C4, 50 IN. DOB, 8.00 IN PAVEMENT
43	2	HAYS	H23	05-28-75	09-17-75	15 LB. C4, 10 IN. DOB, 8.00 IN PAVEMENT
44	3	HAYS	H24	05-28-75	09-17-75	15 LB. C4, 10 IN. DOB, 8.00 IN PAVEMENT
45	5	HAYS	H25	05-28-75	09-17-75	15 LB. C4, 30 IN. DOB, 8.00 IN PAVEMENT
46	2	HAYS	H26	05-28-75	09-17-75	15 LB. C4, 70 IN. DOB, 8.00 IN PAVEMENT
47	2	HAYS	H27	05-28-75	09-17-75	15 LB. C4, 90 IN. DOB, 8.25 IN PAVEMENT
48	3	HAYS	H28	05-28-75	09-17-75	15 LB. C4, 90 IN. DOB, 8.00 IN PAVEMENT
49	3	HAYS	H29	05-28-75	09-17-75	15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT
50	3	HAYS	H1A	05-28-75	09-17-75	15 LB. C4, 110 IN. DOB, 11.0 IN PAVEMENT
51	3	HAYS	H2A	05-28-75	09-17-75	15 LB. C4, 50 IN. DOB, 10.5 IN PAVEMENT
52	2	HAYS	H3A	05-28-75	09-17-75	15 LB. C4, 70 IN. DOB, 11.0 IN PAVEMENT
53	3	HAYS	H60	05-28-75	09-17-75	25 LB. C4, 71 IN. DOB, 8.00 IN PAVEMENT
54	3	HAYS	H61	05-28-75	09-17-75	25 LB. C4, 71 IN. DOB, 8.00 IN PAVEMENT
55	3	HAYS	H62	05-28-75	09-17-75	25 LB. C4, 71 IN. DOB, 8.00 IN PAVEMENT
56	3	HAYS	H63	05-28-75	09-17-75	25 LB. C4, 95 IN. DOB, 8.00 IN PAVEMENT
57	3	HAYS	H64	05-28-75	09-17-75	25 LB. C4, 95 IN. DOB, 8.00 IN PAVEMENT
58	3	HAYS	H65	05-28-75	09-17-75	25 LB. C4, 95 IN. DOB, 8.00 IN PAVEMENT
59	3	HAYS	H66	05-28-75	09-17-75	25 LB. C4, 119 IN. DOB, 8.00 IN PAVEMENT
60	4	HAYS	H67	05-28-75	09-17-75	25 LB. C4, 119 IN. DOB, 8.00 IN PAVEMENT
61	3	HAYS	H68	05-28-75	09-17-75	25 LB. C4, 119 IN. DOB, 8.00 IN PAVEMENT
62	3	F SUMNER	F31	05-30-75	09-17-75	5 LB. C4, 20 IN. DOB, 7.00 IN PAVEMENT
63	3	F SUMNER	F32	05-30-75	09-17-75	5 LB. C4, 40 IN. DOB, 7.00 IN PAVEMENT
64	4	F SUMNER	F33	05-30-75	09-17-75	5 LB. C4, 20 IN. DOB, 7.00 IN PAVEMENT
65	3	F SUMNER	F34	05-30-75	09-17-75	5 LB. C4, 33 IN. DOB, 7.00 IN PAVEMENT
66	3	F SUMNER	F35	05-30-75	09-17-75	5 LB. C4, 50 IN. DOB, 7.00 IN PAVEMENT
67	3	F SUMNER	F36	05-30-75	09-17-75	5 LB. C4, 17 IN. DOB, 7.00 IN PAVEMENT
68	3	F SUMNER	F37	05-30-75	09-17-75	5 LB. C4, 33 IN. DOB, 7.00 IN PAVEMENT
69	3	F SUMNER	F38	05-30-75	09-17-75	5 LB. C4, 50 IN. DOB, 7.00 IN PAVEMENT
70	3	F SUMNER	F39	05-30-75	09-17-75	5 LB. C4, 33 IN. DOB, 7.00 IN PAVEMENT
71	3	F SUMNER	F30A	05-30-75	09-17-75	5 LB. C4, 33 IN. DOB, 7.00 IN PAVEMENT
72	3	F SUMNER	F1	05-30-75	09-17-75	15 LB. C4, 50 IN. DOB, 7.00 IN PAVEMENT
73	4	F SUMNER	F2	05-30-75	09-17-75	15 LB. C4, 70 IN. DOB, 7.00 IN PAVEMENT
74	3	F SUMNER	F4	05-30-75	09-17-75	15 LB. C4, 90 IN. DOB, 7.00 IN PAVEMENT
75	3	F SUMNER	F5	05-30-75	09-17-75	15 LB. C4, 30 IN. DOB, 7.00 IN PAVEMENT
76	3	F SUMNER	F5	05-30-75	09-17-75	15 LB. C4, 10 IN. DOB, 7.00 IN PAVEMENT
77	5	F SUMNER	F6	05-30-75	09-17-75	15 LB. C4, 50 IN. DOB, 7.00 IN PAVEMENT
78	3	F SUMNER	F7	05-30-75	09-17-75	15 LB. C4, 10 IN. DOB, 7.00 IN PAVEMENT
79	4	F SUMNER	F8	05-30-75	09-17-75	15 LB. C4, 10 IN. DOB, 7.00 IN PAVEMENT
80	4	F SUMNER	F9	05-30-75	09-17-75	15 LB. C4, 30 IN. DOB, 7.00 IN PAVEMENT

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
81	3	F SUMNER	F11	05.30.75	09.17.75	15 LB. C4, 90 IN. DOB 7.00 IN PAVEMENT
82	3	F SUMNER	F12	05.30.75	09.17.75	15 LB. C4, 110 IN. DOB 7.00 IN PAVEMENT
83	3	F SUMNER	F13	05.30.75	09.17.75	15 LB. C4, 50 IN. DOB 7.00 IN PAVEMENT
84	3	F SUMNER	F15	05.30.75	09.17.75	15 LB. C4, 90 IN. DOB 7.00 IN PAVEMENT
85	3	F SUMNER	F16	05.30.75	09.17.75	15 LB. C4, 110 IN. DOB 7.00 IN PAVEMENT
86	4	F SUMNER	F17	05.30.75	09.17.75	15 LB. C4, 10 IN. DOB 7.00 IN PAVEMENT
87	3	F SUMNER	F18	05.30.75	09.17.75	15 LB. C4, 30 IN. DOB 7.00 IN PAVEMENT
88	4	F SUMNER	F19	05.30.75	09.17.75	15 LB. C4, 40 IN. DOB 7.00 IN PAVEMENT
89	4	F SUMNER	F21	05.30.75	09.17.75	15 LB. C4, 70 IN. DOB 7.00 IN PAVEMENT
90	4	F SUMNER	F3A	05.30.75	09.17.75	15 LB. C4, 110 IN. DOB 7.00 IN PAVEMENT
91	3	F SUMNER	F40	05.30.75	09.17.75	25 LB. C4, 34 IN. DOB 7.00 IN PAVEMENT
92	4	F SUMNER	F41	05.30.75	09.17.75	25 LB. C4, 68 IN. DOB 7.00 IN PAVEMENT
93	3	F SUMNER	F42	05.30.75	09.17.75	25 LB. C4, 103 IN. DOB 7.00 IN PAVEMENT
94	3	F SUMNER	F43	05.30.75	09.17.75	34 IN. DOB 7.00 IN PAVEMENT
95	3	F SUMNER	F44	05.30.75	09.17.75	68 IN. DOB 7.00 IN PAVEMENT
96	4	F SUMNER	F46	05.30.75	09.17.75	25 LB. C4, 34 IN. DOB 7.00 IN PAVEMENT
97	4	F SUMNER	F47	05.30.75	09.17.75	25 LB. C4, 68 IN. DOB 7.00 IN PAVEMENT
98	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT
99	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT
100	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT
101	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT
102	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT
103	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT
104	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC & 4 IN ACC
105	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC & 4 IN ACC
106	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC & 6 IN ACC
107	2	CERF	CI C	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC & 6 IN ACC
108	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT
109	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT
110	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT
111	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT
112	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT
113	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC & 4 IN ACC
114	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC & 4 IN ACC
115	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC & 6 IN ACC
116	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 8 IN PCC & 6 IN ACC
117	2	CERF	CI S	05.30.75	09.17.75	15 LB C4, 84 IN DOB, 12 IN PCC & 6 IN ACC
118	1	CERF	CI I	05.30.75	06.12.75	15 LB C4, 84 IN DOB, 8-PCC 2-ACC 8-CRCP
119	1	CERF	CI I	05.30.75	06.12.75	15 LB C4, 84 IN DOB, 12 IN. CRCP PAVEMENT
120	1	CERF	CI I	05.30.75	06.12.75	15 LB C4, 84 IN DOB, 12 IN. CRCP PAVEMENT

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
121	1	CERF	C11	05.30.75	06.12.75	15 LB C4, 84 IN DOB, 12 IN. FRCP PAVEMENT
122	1	CERF	C11	05.30.75	06.12.75	15 LB C4, 84 IN DOB, 12 IN. CRCP PAVEMENT
123	1	CERF	C11	05.30.75	06.12.75	45 LB C4, 84 IN DOB, 12 IN. CRCP PAVEMENT
124	1	CERF	C11	05.30.75	06.12.75	15 LB C4, 84 IN DOB, 8-PCC 2-ACC 8-CRCP
125	1	CERF	C11	05.30.75	06.12.75	45 LB C4, 84 IN DOB, 8-PCC 2-ACC 8-CRCP
126	3	HAYS	H70	06.04.75	09.17.75	MK81 BOMB, 120 IN. DOB 11. IN. PAVEMENT
127	3	HAYS	H71	06.04.75	09.17.75	MK81 BOMB, 96 IN. DOB 11. IN. PAVEMENT
128	3	HAYS	H72	06.04.75	09.17.75	MK81 BOMB, 156 IN. DOB 11. IN. PAVEMENT
129	3	HAYS	H73	06.04.75	09.17.75	MK81 BOMB, 180 IN. DOB 11. IN. PAVEMENT
130	3	HAYS	H74	06.04.75	09.17.75	MK81 BOMB, 204 IN. DOB 11. IN. PAVEMENT
131	3	HAYS	H75	06.04.75	09.17.75	MK81 BOMB, 120 IN. DOB 11. IN. PAVEMENT
132	3	HAYS	H80	06.04.75	09.17.75	MK92 BOMB, 144 IN. DOB 11. IN. PAVEMENT
133	3	HAYS	H81	06.04.75	09.17.75	MK82 BOMB, 216 IN. DOB 11. IN. PAVEMENT
134	3	HAYS	H82	06.04.75	09.17.75	MK82 BOMB, 180 IN. DOB 11. IN. PAVEMENT
135	3	HAYS	H83	06.04.75	09.17.75	MK92 BOMB, 252 IN. DOB 11. IN. PAVEMENT
136	3	HAYS	H84	06.04.75	09.17.75	MK82 BOMB, 144 IN. DOB 11. IN. PAVEMENT
137	4	HAYS	H85	06.04.75	09.17.75	MK82 BOMB, 108 IN. DOB 11. IN. PAVEMENT
138	3	HAYS	H90	06.04.75	09.17.75	M117 BOMB, 180 IN. DOB 11. IN. PAVEMENT
139	3	HAYS	H91	06.04.75	09.17.75	M117 BOMB, 144 IN. DOB 11. IN. PAVEMENT
140	3	HAYS	H92	06.04.75	09.17.75	M117 BOMB, 180 IN. DOB 11. IN. PAVEMENT
141	3	HAYS	H93	06.04.75	09.17.75	M117 BOMB, 216 IN. DOB 11. IN. PAVEMENT
142	3	HAYS	H94	06.04.75	09.17.75	M117 BOMB, 216 IN. DOB 11. IN. PAVEMENT
143	3	HAYS	H95	06.04.75	09.17.75	M117 BOMB, 246 IN. DOB 11. IN. PAVEMENT
144	2	TYNDAL	T1-1	06.05.75	08.11.75	25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT
145	2	TYNDAL	T1-2	06.05.75	08.11.75	25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT
146	2	TYNDAL	T1-3	06.05.75	08.11.75	25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT
147	2	TYNDAL	T1-4	06.05.75	08.11.75	25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT
148	2	TYNDAL	T2-1	06.05.75	08.11.75	15 LB. CHAR. 42 IN. DOB 8 IN. PAVEMENT
149	2	TYNDAL	T2-2	06.05.75	08.11.75	15 LB. CHAR. 66 IN. DOB 8 IN. PAVEMENT
150	2	TYNDAL	T2-3	06.05.75	08.11.75	15 LB. CHAR. 84 IN. DOB 8 IN. PAVEMENT
151	2	TYNDAL	T2-4	06.05.75	08.11.75	15 LB. CHAR. 112 IN. DOB 8 IN. PAVEMENT
152	2	TYNDAL	T3-4	06.05.75	08.11.75	M117 BOMB 110 IN. DOB 12 IN. PAVEMENT
153	2	TYNDAL	T3-2	06.05.75	08.11.75	M117 BOMB 110 IN. DOB 12 IN. PAVEMENT
154	2	TYNDAL	T3-3	06.05.75	08.11.75	M117 BOMB 95 IN. DOB 12 IN. PAVEMENT
155	2	TYNDAL	T4-1	06.05.75	08.11.75	M117 BOMB 120 IN. DOB 8 IN. PAVEMENT
156	2	TYNDAL	T4-2	06.05.75	08.11.75	M117 BOMB 120 IN. DOB 8 IN. PAVEMENT
157	2	MHO	M1	06.05.75	09.17.75	5 LB. COMPB, 45.5 IN DOB, 12 IN PAVEMENT
158	2	MHO	M2	06.05.75	09.17.75	5 LB. COMPB, 39.5 IN DOB, 12 IN PAVEMENT
159	2	MHO	M3	06.05.75	09.17.75	4 LB. COMPB, 31.6 IN DOB, 12 IN PAVEMENT
160	2	MHO	M4	06.05.75	09.17.75	4 LB. COMPB, 32.8 IN DOB, 12 IN PAVEMENT

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
161	2	MMG	M5	06.05.75	09.17.75	4 LB. COMPR, 32.8 IN DOB, 12 IN PAVEMENT
162	1	USNCEL	N1	06.05.75	06.12.75	MK 82 BOMB, M990 FUZE, AIR DROP
163	1	USNCEL	N2	06.05.75	06.12.75	MK 82 BOMB, M990 FUZE, AIR DROP
164	1	USNCEL	N3	06.05.75	06.12.75	MK 81 BOMB, M990 FUZE, AIR DROP
165	0	USNCEL	N4	06.05.75	06.05.75	MK 81 BOMB, M990 FUZE, AIR DROP
166	0	USNCEL	N5	06.05.75	06.05.75	MK 81 BOMB, M990 FUZE, AIR DROP
167	0	FT BRAGG	FR1	06.05.75	06.05.75	AVERAGE OF 5 TESTS, 40 LB. EXPLOSIVE
168	0	EGLIN	F1	09.30.75	09.30.75	AVG. OF SEVERAL TESTS, STATIC M17 BOMBS
169	1	EGLIN	F2	06.05.75	06.12.75	AVG. OF 2 TESTS, AIR DROP M17 BOMBS
170	2	CERF	C29	06.12.75	09.17.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
171	3	CERF	C30	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
172	3	CERF	C31	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
173	3	CERF	C32	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
174	3	CERF	C33	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
175	3	CERF	C34	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
176	3	CERF	C35	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
177	3	CERF	C36	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
178	3	CERF	C37	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
179	3	CERF	C38	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
180	3	CERF	C39	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
181	3	CERF	C40	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
182	3	CERF	C41	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
183	3	CERF	C42	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
184	3	CERF	C43	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
185	3	CERF	C44	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
186	3	CERF	C45	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
187	3	CERF	C46	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
188	3	CERF	C47	06.12.75	09.25.75	1.5 LB, 30 IN DOB, 14 IN PAVEMENT
189	2	CERF	C48	06.12.75	09.17.75	1.5 LB, 30 IN DOB, 8 IN PAVEMENT
190	2	CERF	C49	06.12.75	09.17.75	1.5 LB, 30 IN DOB, 8 IN PAVEMENT
191	0	EGLIN	E3	06.12.75	06.12.75	AN-M65A 1000 LB. BOMB, STATIC, 1963
192	0	EGLIN	E4	06.12.75	06.12.75	AN-M65A 1000 LB. BOMB, STATIC, 1963
193	0	EGLIN	E5	06.12.75	06.12.75	AN-M65A 1000 LB. BOMB, STATIC, 1963

EDIT NO. 23

10.03.75

RDR PERMANENT DATA FILE LISTING FOR RECORD 1

COMMENTS

RECORD REV. TEST SITE TFST CREATION DATE LAST DATE UPDATED H30 05.28.75 09.17.75 5 LB. C4, DOR# 54 IN., THICKNESS# 8.5 IN

1 3 HAYS

Table with columns: KEY, TYPE - NAME, VALUE, UNITS, REF, WEAPON DATA, EXPLOSIVE DATA, PAVEMENT DATA, BASE DATA, SUBBASE DATA, SOIL DATA, CRATER DATA, COMMENTS, UNITS, VALUE, REF.

RECORD NO. 1 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	366.000	CU-IN	59	113N	- V EARTH REMOVED (SP)	54970.0	CU-IN	60
114N	- V EARTH REMOVED (P)	718600.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	58.8200	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0		65
122N	- V EARTH REPL (SP)	54500.0	CU-IN	66	123N	- V EARTH REPL (P)	718700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	35940.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	71940.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 27 APR 1971, BY THE AFWL.
 SLAB LONG/LANE 007/05, STATION 03625, 056 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

COMMENTS

5 LB. C4, DOB# 33 IV., THICKNESS# 10. IN

RECORD REV. TEST CREATION DATE LAST
NO. SITE NO. DATE UPDATED

2 2 HAYS H31 05-28.75 09-17.75

KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	5.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.8750	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	33.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	66.0000	IN	2	11N	- IM. POS. FR SHRT EDG	114.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLACEMENT	HAND		10
213A	- FUZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	10.0000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.651000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7500	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	22.8000	% WATER	17	89N	- SOIL DISTENTION	.750000		19
91N	- SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	1.39000		29	99N	- SURFACE CTR RADIUS	43.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	68760.0	CU-IN	58	101N	- APPARENT CTR DEPTH	12.0000	IN	2
102N	- APPARENT CTR RADIUS	60.0000	IN	2	103N	- APPARENT CTR VOLUME	68760.0	CU-IN	55
104N	- TRUE CRATER DEPTH	61.0000	IN	1	105N	- TRUE CRATER RADIUS	59.0000	IN	1
106N	- TRUE CRATER VOLUME	181700.	CU-IN	1	107N	- EARTH CRATER VOLUME	74200.0	CU-IN	1
105N	- PAVEMENT CTR VOLUME	108000.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	2.00000	IN	12
111N	- FALL-BACK VOLUME	112900.	CU-IN	57	225A	- CRATER TYPE (MES)	STANDARD		14

RECORD NO. 2 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF
112N	- V EARTH REMOVED (F)	39240.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	112900.0	CU-IN	60
114N	- V EARTH REMOVED (P)	273300.0	CU-IN	64	115N	- NO. SLABS REPL (F)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	19008.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SO-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	74200.0	CU-IN	66	123N	- V EARTH REPL (P)	342000.0	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	25200.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	61200.0	SO-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***

CU-IN	59
CU-IN	64
SO-IN	61
SO-IN	63
CU-IN	66
SO-IN	4
SO-IN	56

*** EXTRA INFORMATION ***

AFWLTR7261	99
HAYS	10

TEST PERFORMED AT HAYS, KANSAS ON 28 APR 1971, BY THE A
SLAB LONG/LANE 006/07, STATION 03803, 081 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
NO. NO. SITE NO. DATE UPDATED

3 2 HAYS H32 05-28-75 09-17-75 5 LB. C4, DOB# 17 IN., THICKNESS# 8.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	17.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	72.0000	IN	2	11N	IM. POS. FR SHRT EDG	90.0000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FJZING	86PC		10					
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.651000E-01	LB/CU-IN	16
68N	SJB. MOISTURE (BY V)	23.7500	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	22.8000	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
98N	CRATER ASPECT RATIO	1.23000		25	99N	SURFACE CTR RADIUS	41.0000	IN	29
100N	RUBBLE VOL (EJECTA)	49590.0	CU-IN	58	101N	APPARENT CTR DEPTH	9.00000	IN	2
102N	APPARENT CTR RADIUS	59.0000	IN	2	103N	APPARENT CTR VOLUME	49590.0	CU-IN	55
104N	TRUE CRATER DEPTH	48.0000	IN	1	105N	TRUE CRATER RADIUS	47.0000	IN	1
106N	TRUE CRATER VOLUME	90300.0	CU-IN	1	107N	EARTH CRATER VOLUME	31300.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	59000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	3.00000	IN	12
111N	FALL-BACK VOLUME	40710.0	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 3 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	RFF	KEY	TYPE - NAME	VALJF	UNITS	RFF
112N	- V EARTH REMOVED (E)	9407.00	CU-IN	59	113N	- V EARTH REMOVED (SP)	40710.0	CU-IN	60
114N	- V EARTH REMOVED (P)	120500.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		91
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (E)	8237.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	36000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	31300.0	CU-IN	66	123N	- V EARTH REPL (P)	170100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	29060.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	29060.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 28 APR 1971, BY THE A
 SLAB LONG/LANE 005/10, STATION 02682, 119 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. 4
 TEST NO. 2
 TEST SITE HAYS
 CREATION DATE 05.28.75
 DATE LAST UPDATED 09.17.75
 COMMENTS: 5 L.A. C4, DOB# 10 IN., THICKNESS# 8.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH CF BURST	10.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IN. PDS. FR LONG EDG	72.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.0000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	R&PC		10					
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	360000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	- SJA. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.690000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SURBASE SOIL CLASS	CHCL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
98N	- CRATER ASPECT RATIO	.940000		29	99N	- SURFACE CTR RADIUS	41.0000	IN	29
100N	- RURBLE VOL (EJECTA)	52100.0	CU-IN	58	101N	- APPARENT CTR DEPTH	14.0000	IN	2
102N	- APPARENT CTR RADIUS	48.0000	IN	2	103N	- APPARENT CTR VOLUME	52100.0	CU-IN	55
104N	- TRUE CRATER DEPTH	41.0000	IN	1	105N	- TRUE CRATER RADIUS	49.0000	IN	1
106N	- TRUE CRATER VOLUME	93000.0	CU-IN	1	107N	- EARTH CRATER VOLUME	29000.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	64000.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	3.50000	IN	12
111N	- FALL-BACK VOLUME	40900.0	CU-IN	57	225A	- CRATER TYPE (MES)	STANDARD		14

RECORD NO. 4 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	11900.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	40900.0	CU-IN	60
114N	- V EARTH REMOVED (P)	121800.	CU-IN	64	115N	- NO. SLABS REPL (E)	-0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	11130.0	SQ-IN	61	119N	- PAV REPAIR ARFA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	-0		65
122N	- V EARTH REPL (SP)	29000.0	CU-IN	66	123N	- V EARTH REPL (P)	173900.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	-0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	28470.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	64470.0	SQ-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 14 MAY 1971, BY THE A
 SLAB LONG/LANE 274/08, STATION 576.02, 094 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. 5 TEST NO. M34 CREATION DATE 05-28-75 DATE LAST UPDATED 09-17-75 COMMENTS
 2 HAYS 5 L.R. C4. DNR# 10 IN.. THICKNESS# 8.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	5.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.8750	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	10.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	72.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	RCPC		10					
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.62500		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.690000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SURBASE TYPE	ORG CLAY		10
223A	- SURBASE SOIL CLASS	CHCL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
98N	- CRATER ASPECT RATIO	.850000		29	99N	- SURFACE CTR RADIUS	42.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	38240.0	CU-IN	58	101N	- APPARENT CTR DEPTH	10.0000	IN	2
102N	- APPARENT CTR RADIUS	49.0000	IN	2	103N	- APPARENT CTR VOLUME	38240.0	CU-IN	55
104N	- TRUE CRATER DEPTH	36.0000	IN	1	105N	- TRUE CRATER RADIUS	45.0000	IN	1
106N	- TRUE CRATER VOLUME	86500.0	CU-IN	1	107N	- EARTH CRATER VOLUME	33500.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	53000.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	3.00000	IN	12
111N	- FALL-BACK VOLUME	48260.0	CU-IN	57	225A	- CRATER TYPE (WES)	STANDARD		14

RECORD NO. 5 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	14760.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	48260.0	CU-IN	60
114N	- V EARTH REMOVED (P)	164700.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	6235.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0		65
122N	- V EARTH REPL (SP)	33500.0	CU-IN	66	123N	- V EARTH REPL (P)	202900.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	CU-IN	4	125N	- PAV REMOVAL AREA (SP)	29760.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	101800.	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR7261		93	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 14 MAY 1971. BY THE A
SLAB LONG/LANE 300/06. STATION 56641, 069 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD NO. 6 REV. NO. 2 SITE HAYS TEST NO. H35 CREATION DATE 05.28.75 DATE LAST UPDATED 09.17.75 COMMENTS 5 LB. C4, DNR# 10 IN., THICKNESS# 8.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	10.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	60.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLEMMENT	HAND		10
213A	- FZING	BZPC		10					
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.62500		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	PGURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.690000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LR/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LR/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LR/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
98N	- CRATER ASPECT RATIO	.880000		29	99N	- SURFACE CTR RADIUS	46.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	49930.0	CU-IN	58	101N	- APPARENT CTR DEPTH	12.0000	IN	2
102N	- APPARENT CTR RADIUS	51.0000	IN	2	103N	- APPARENT CTR VOLUMF	49930.0	CU-IN	55
104N	- TRUE CRATER DEPTH	41.0000	IN	1	105N	- TRUE CRATER RADIUS	51.0000	IN	1
106N	- TRUE CRATER VOLUME	93000.0	CU-IN	1	107N	- FARTH CRATER VOLUMF	25000.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	68000.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	2.00000	IN	12
111N	- FALL-9ACK VOLUME	43070.0	CU-IN	57	225A	- CRATER TYPE (MES)	STANDARD		14

RECORD NO. 6 EDIT NO. 73 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	18070.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	43070.0	CU-IN	60
114N	- V EARTH REMOVED (P)	149300.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	8000.00	SO-IN	61	119N	- PAV REPAIR AREA (SP)	360000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SO-IN	63	121N	- V EARTH REPL (E)	.0		65
122N	- V EARTH REPL (SP)	25000.0	CU-IN	66	123N	- V EARTH REPL (P)	199200.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	28000.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	64000.0	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 59
 CU-IN
 64
 CU-IN
 52
 61
 SO-IN
 63
 SO-IN
 66
 CU-IN
 4
 SO-IN
 56
 SO-IN

*** EXTRA INFORMATION ***
 AFMLTR7261
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 14 MAY 1971, BY THE A
 SLAB LONG/LANE 273/09, STATION 56641, 106 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. 7 2 HAYS
 REV. NO. 2
 TFST NO. H36
 CREATION DATE 05-28-75
 DATE LAST UPDATED 09-17-75
 COMMENTS
 5 LR. C4, BOR# 20 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.87500		10	5N	DEFIACE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	20.0000	IN	1	9N	IMPACT ORLIQUITY	.0	DEGREES	10
10N	IN. POS. FR LONG EDG	72.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	7
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	86PC		10					
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAY. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REAR DENSITY	.0	IN/SO-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGF	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	SUB. DISTENTION	.690000		19
71N	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	722A	SUBBASE TYPE	ORG CLAY		10
223A	SURBASE SOIL CLASS	CHCL		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
98N	CRATER ASPECT RATIO	.980000		29	99N	SURFACE CTR RADIUS	56.0000	IN	29
100N	RUBBLE VOL (FJECTA)	113500.	CU-IN	58	101N	APPARENT CTR DEPTH	20.0000	IN	2
102N	APPARENT CTR RADIUS	59.0000	IN	2	103N	APPARENT CTR VOLUME	113500.	CU-IN	55
104N	TRUE CRATER DEPTH	57.0000	IN	1	105N	TRUE CRATER RADIUS	59.0000	IN	1
106N	TRUE CRATER VOLUME	204500.	CU-IN	1	107N	EARTH CRATER VOLUME	117000.	CU-IN	1
108N	PAVEMENT CTR VOLUME	87000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	2.50000	IN	12
111N	FALL-BACK VOLUME	90950.0	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 7 FOOT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	90950.0	CU-IN	60		
114N	- V EARTH REMOVED (P)	310500.	CU-IN	54	115N	- NO. SLABS REPL (E)	.0		51		
116N	- NO. SLABS REPL (P)	1-00000		52	117N	- NO. SLABS REPL (P)	3-00000		53		
118N	- PAV REPAIR AREA (E)	10880.0	SG-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SG-IN	62		
120N	- PAV REPAIR AREA (P)	108000.	SG-IN	63	121N	- V EARTH REPL (E)	26550.0	CU-IN	65		
122N	- V EARTH REPL (SP)	117000.	CU-IN	66	123N	- V EARTH REPL (P)	424100.	CU-IN	67		
124N	- PAV REMOVAL AREA (F)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	25130.0	SO-IN	54		
126N	- PAV REMOVAL AREA (P)	97130.0	SO-IN	56							
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	G000		99		
228A	- TEST SITE	HAYS		10							

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 54
 SG-IN 61
 SO-IN 63
 CU-IN 66
 SO-IN 4
 SO-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 14 MAY 1971, BY THE A
 SLAB LONG/LANE 271/09, STATION 56602, 106 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

REC'D NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
8	2	HAYS	H37	05-28-75	09-17-75	5 LB. C4, DOR# 20 IN., THICKNESS# 8.0 IN

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
*** WEAPON DATA ***											
IN	-	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	-	EXPLOSIVE DENSITY	.576000E-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	-	DEVICE WEIGHT	5.00000	LBS	10
8N	-	DEPTH OF BURST	20.0000	IN	1	9N	-	IMPACT OBLIQUITY	.0	DEGREES	10
10N	-	IM. POS. FR LONG EDG	72.0000	IN	2	11N	-	IM. POS. FR SHRT EDG	120.000	IN	2
12N	-	IMPACT VELOCITY	.0	FT/SEC	10	13N	-	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	-	EXPLOSIVE NAME	COMP C4		10	212A	-	EMPLACEMENT	HAND		10
213A	-	FUZZING	86PC		10						
*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	8.00000	IN	1	22N	-	SLAB AREA	36000.0	SQ-IN	10
23N	-	SLAB ASPECT RATIO	.625000		10	24N	-	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	-	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	-	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	-	PENT. HOLE DIAMETER	6.00000	IN	10	31N	-	REBAR DENSITY	.0	IN/SQ-IN	10
38N	-	TEST AREA LENGTH	5600.00	FEET	10	39N	-	TEST AREA WIDTH	125.000	FEET	10
214A	-	PAVEMENT TYPE	PCC		10	215A	-	REINFORCEMENT	NONE		10
217A	-	AGE	OLD		10	218A	-	OVERLAYMENT	NONE		10
201A	-	PAV CONSTRUCTION	POURED		10	202A	-	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***											
220A	-	BASE TYPE	NONE		10						
*** SUBBASE DATA ***											
61N	-	SUB. THICKNESS	60.0000	IN	10	62N	-	SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	-	SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	-	SUB. DISTENTION	.690000		19
71N	-	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	-	SUBBASE TYPE	ORG CLAY		10
223A	-	SUBBASE SOIL CLASS	CHCL		16						
*** SOIL DATA ***											
81N	-	SOIL THICKNESS	144.000	IN	10	82N	-	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	-	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	-	SOIL DISTENTION	.680000		19
91N	-	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	-	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***											
98N	-	CRATER ASPECT RATIO	.870000		29	99N	-	SURFACE CTR RADIUS	54.0000	IN	29
100N	-	RUBBLE VOL (EJECTA)	117200.	CU-IN	58	101N	-	APPARENT CTR DEPTH	24.0000	IN	2
102N	-	APPARENT CTR RADIUS	54.0000	IN	2	103N	-	APPARENT CTR VOLUME	117200.	CU-IN	55
104N	-	TRUE CRATER DEPTH	47.0000	IN	1	105N	-	TRUE CRATER RADIUS	54.0000	IN	1
106N	-	TRUE CRATER VOLUME	152000.	CU-IN	1	107N	-	EARTH CRATER VOLUME	79000.0	CU-IN	1
108N	-	PAVEMENT CTR VOLUME	73000.0	CU-IN	1	110N	-	MAX UPHEAVAL HEIGHT	3.00000	IN	12
111N	-	FALL-BACK VOLUME	34830.0	CU-IN	57	225A	-	CRATER TYPE (WES)	STANDARD		14

RECORD NO. R FDIIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	34830.0	CU-IN	60
114N	- V EARTH REMOVED (P)	186500.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (P)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (E)	17190.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	36000.0	SQ-IN	63	121N	- V EARTH REPL (E)	44170.0	CU-IN	65
122N	- V EARTH REPL (SP)	79000.0	CU-IN	66	123N	- V EARTH REPL (P)	303700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	CU-IN	4	125N	- PAV REMOVAL AREA (SP)	26880.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	26880.0	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 17 MAY 1971. BY THE A
SLAB LONG/LANE 268/08, STATION 55878, 106 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD REV. TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 9 ? HAYS 05.28.75 09.17.75 5 LB. C4, D06# 20 IN., THICKNESS# 9.5 IN

KEY	TYPE - NAME	VALUE	UNITS	RFF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	9P
4N	LENGTH/DIAMETER (MH)	1.87500		10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	20.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	72.0000	IN	2	11N	IM. POS. FR SHRT FDG	96.0000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	9.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	RERR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	SUB. DISTENTION	.690000		19
71N	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	.880000		29	99N	SURFACE CTR RADIUS	52.0000	IN	29
100N	RUBBLE VOL (EJECTA)	141900.	CU-IN	58	101N	APPARENT CTR DEPTH	26.0000	IN	2
102N	APPARENT CTR RADIUS	57.0000	IN	2	103N	APPARENT CTR VOLUME	141900.	CU-IN	55
104N	TRUE CRATER DEPTH	46.0000	IN	1	105N	TRUE CRATER RADIUS	57.0000	IN	1
106N	TRUE CRATER VOLUME	171000.	CU-IN	1	107N	EARTH CRATER VOLUME	75600.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	95000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	4.00000	IN	12
111N	FALL-BACK VOLUME	29110.0	CU-IN	57	225A	CRATER TYPE (MES)	STANDARD		14

RECORD NO. 9 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0			113N	- V EARTH REMOVED (SP)	29110.0		60
114N	- V EARTH REMOVED (P)	220500.			115N	- NO. SLABS REPL (P)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000			117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	13600.0			119N	- PAV REPAIR AREA (SP)	36000.0		62
120N	- PAV REPAIR AREA (P)	144000.			121N	- V EARTH REPL (E)	46890.0		65
122N	- V EARTH REPL (SP)	75600.0			123N	- V EARTH REPL (P)	362400.		67
124N	- PAV REMOVAL AREA (E)	.0			125N	- PAV REMOVAL AREA (SP)	26000.0		54
126N	- PAV REMOVAL AREA (P)	134000.							
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 59 CU-IN
 64 CU-IN
 52 SQ-IN
 61 SQ-IN
 63 CU-IN
 66 SQ-IN
 4 SQ-IN
 56 SQ-IN

*** EXTRA INFORMATION ***
 AFML TR 7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 17 MAY 1971, BY THE A
 SLAB LONG/LANE 267/07, STATION 55660, 081 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. TEST SITE TFST NO. CREATION DATE LAST UPDATED COMMENTS

10 2 HAYS 05-28-75 09-17-75 5 LB. C4, D08# 30 IN., THICKNESS# 10. IN

KEY	TYPE - NAME	VALUE	UNITS	RF#	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WFAPON DATA ***							
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.87500		10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	30.00000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	14. POS. FR LONG EDG	72.00000	IN	2	11N	14. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT FXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
		*** PAVEMENT DATA ***							
21N	PAVEMENT THICKNESS	10.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	LAB ASPECT RATIO	.625000		10	24N	PAV. COMP. MODULUS	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
		*** BASE DATA ***							
220A	BASE TYPE	NONE		10					
		*** SUBBASE DATA ***							
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	SUB. DISTENTION	.690000		19
71N	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
		*** SOIL DATA ***							
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
		*** CRATER DATA ***							
98N	CRATER ASPECT RATIO	1.03000		29	99N	SURFACE CTR RADIUS	52.0000	IN	29
100N	RUBBLE VOL (EJECTA)	89440.0	CU-IN	58	101N	APPARENT CTR DEPTH	15.0000	IN	2
102N	APPARENT CTR RADIUS	61.0000	IN	2	103N	APPARENT CTR VOLUME	89440.0	CU-IN	55
104N	TRUE CRATER DEPTH	54.0000	IN	1	105N	TRUE CRATER RADIUS	61.0000	IN	1
106N	TRUE CRATER VOLUME	196000.	CU-IN	1	107N	EARTH CRATER VOLUME	81500.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	115000.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	106600.	CU-IN	57	225A	CRATER TYPE (MFS)	STANDARD		14

RECORD NO. 10 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	25560.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	106600.	CU-IN	60
114N	- V EARTH REMOVED (P)	263000.	CU-IN	64	115N	- NO. SLABS REPL (F)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	13520.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	81500.0	CU-IN	66	123N	- V EARTH REPL (P)	352400.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	24500.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	60500.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 19 MAY 1971, BY THE A
SLAB LONG/LANE 295/06, STATION 5642, 069 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 11 3 HAYS H40 05.28.75 09.17.75 5 LB. C4, DDB# 30 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	30.0000	IN	1	9N	- IMPACT ORLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	72.0000	IN	2	11N	- IM. POS. FR SHPT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMLACEMENT	HAND		10
213A	- FUZING	B&PC		10					

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENI. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	69N	- SUB. DISTENTION	.690000		19
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	222A	- SUBBASE TYPE	ORG CLAY		10
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19					
223A	- SUBBASE SOIL CLASS	GHCL		16					

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	.970000		29	99N	- SURFACE CTR RADIUS	61.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	121800.	CU-IN	58	101N	- APPARENT CTR DEPTH	16.0000	IN	2
102N	- APPARENT CTR RADIUS	69.0000	IN	2	103N	- APPARENT CTR VOLUME	121800.	CU-IN	55
104N	- TRUE CRATER DEPTH	60.0000	IN	1	105N	- TRUE CRATER RADIUS	69.0000	IN	1
106N	- TRUE CRATER VOLUME	227500.	CU-IN	1	107N	- EARTH CRATER VOLUME	109700.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	118000.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	- FALL-BACK VOLUME	105700.	CU-IN	57	225A	- CRATER TYPE (MES)	STANDARD		14

RECORD NO. 11 EDIT NO. 2 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	105700.	CU-IN	60
114N	- V EARTH REMOVED (P)	507100.	CU-IN	54	115N	- NO. SLABS REPL (F)	.0		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	18780.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	3802.00	CU-IN	65
122N	- V EARTH REPL (SP)	109700.	CU-IN	66	123N	- V EARTH REPL (P)	628900.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	57250.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	93250.0	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR7261		99	227A	- FST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 19 MAY 1971, BY THE AFML -
SLAB LONG/LANE 268/09, STATION 55642, 106 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD REV. NO. 12
 TEST NO. 2
 TFST SITE H41
 CREATION DATE 05.28.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 5 LB. C4, DDB# 30 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MM)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	30.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	60.0000	IN	2	11N	- IM. POS. FR SHRT EDG	1.08.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLOYMENT	HAND		10
213A	- FUZING	86PC		10					
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.690000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	DRG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
98N	- CRATER ASPECT RATIO	.870000		29	99N	- SURFACE CTR RADIUS	67.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	113900.	CU-IN	58	101N	- APPARENT CTR DEPTH	15.0000	IN	2
102N	- APPARENT CTR RADIUS	69.0000	IN	2	103N	- APPARENT CTR VOLUME	113900.	CU-IN	55
104N	- TRUE CRATER DEPTH	59.0000	IN	1	105N	- TRUE CRATER RADIUS	69.0000	CU-IN	1
106N	- TRUE CRATER VOLUME	254100.	CU-IN	1	107N	- FARTH CRATER VOLUME	136100.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	118000.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	- FALL-BACK VOLUME	140200.	CU-IN	57	225A	- CRATER TYPE (WES)	STANDARD		14

RECORD NO. 12 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	4.054.00	CU-IN	59	113N	- V EARTH REMOVED (SP)	140200.	CU-IN	60
114N	- V EARTH REMOVED (P)	432200.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (E)	21950.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	36000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	136100.	CU-IN	66	123N	- V EARTH REPL (P)	544200.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	21250.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	21250.0	SQ-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***

4.054.00	CU-IN	59
432200.	CU-IN	64
1.00000		52
21950.0	SQ-IN	61
36000.0	SQ-IN	63
136100.	CU-IN	66
.0	SQ-IN	4
21250.0	SQ-IN	56

*** EXTRA INFORMATION ***

AFMLTR 7261	99
HAYS	10

TEST PERFORMED AT HAYS, KANSAS ON 21 MAY 1971, BY THE AFML.
SLAB LONG/LANE 264/09, STATION 54663, 106 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD NO. 13 REV. NO. 3 TEST SITE HAYS H42 CREATION DATE 05-28-75 DATE LAST UPDATED 09-17-75 COMMENTS

5 L.B. C4, DOR# 40 IN., THICKNESS# 10. IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MM)	1.87500		10	5N	- DPTICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	40.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGRFES	10
10N	- IM. POS. FR LONG EDG	60.0000	IN	2	11N	- IM. POS. FR SHRT EDG	114.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMLACEMENT	HAND		10
213A	- FUZING	BEPC		10					
21N	- PAVEMENT THICKNESS	10.0000	IN	1	22N	- SLAB AREA	36000.0	10-IN	10
23N	- SLAR ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REAR DENSITY	.0	1W/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.690000		19
71N	- SUR. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
98N	- CRATER ASPECT RATIO	1.23000		29	99N	- SURFACE CTR RADIUS	49.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	47940.0	CU-IN	58	101N	- APPARENT CTR DEPTH	9.00000	IN	2
102N	- APPARENT CTR RADIUS	58.0000	IN	2	103N	- APPARENT CTR VOLUME	47940.0	CU-IN	55
104N	- TRUE CRATER DEPTH	67.0000	IN	1	105N	- TRUE CRATER RADIUS	58.0000	IN	1
106N	- TRUE CRATER VOLUME	206800.	CU-IN	1	107N	- EARTH CRATER VOLUME	103000.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	104000.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	2.50000	IN	12
111N	- FALL-BACK VOLUME	158900.	CU-IN	57	225A	- CRATER TYPE (WES)	CAMD-SPALL		14

RECORD NO. 13 FOIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	56060.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	158900.	CU-IN	60
114N	- V EARTH REMOVED (P)	325800.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00700		53
118N	- PAV REPAIR AREA (E)	36000.0	CU-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	108000.	CU-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	103000.	CU-IN	66	123N	- V EARTH REPL (P)	373800.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	256000.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	97600.0	SO-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 CU-IN 61
 CU-IN 63
 CU-IN 66
 SO-IN 4
 SO-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 25 MAY 1971, BY THE AFML.
 SLAB LONG/LANE 261/07, STATION 54640, 081 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

COMMENTS

14 2 HAYS 05.28.75 09.17.75 5 LB. C4, DOB# 40 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500		10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	40.0000	IN	1	9N	IMPACT ORLIQUITY	.0	DEGREES	10
10N	IN. POS. FR LONG EDG	72.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPCT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	SUB. DISTENTION	.690000		19
71N	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
98N	CRATER ASPECT RATIO	1.16000		29	99N	SURFACE CTR RADIUS	55.0000	IN	29
100N	RUBBLE VOL (EJECTA)	66520.0	CU-IN	58	101N	APPARENT CTR DEPTH	12.0000	IN	2
102N	APPARENT CTR RADIUS	59.0000	IN	2	103N	APPARENT CTR VOLUME	66520.0	CU-IN	55
104N	TRUE CRATER DEPTH	64.0000	IN	1	105N	TRUE CRATER RADIUS	59.0000	IN	1
106N	TRUE CRATER VOLUME	219400.	CU-IN	1	107N	EARTH CRATER VOLUME	131900.	CU-IN	1
108N	PAVEMENT CTR VOLUME	87000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	3.50000	IN	12
111N	FALL-BACK VOLUME	152900.	CU-IN	57	225A	CRATER TYPE (WES)	CAMO-SPALL		14

RECORD NO. 14 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
112N	- V EARTH REMOVED (F)	20480.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	152900.	CU-IN	60
114N	- V EARTH REMOVED (P)	407200.	CU-IN	64	115N	- NO. SLABS REPL (F)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
119N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	131900.	CU-IN	66	123N	- V EARTH REPL (P)	473900.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	61130.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	61130.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 26 MAY 1971, BY THE AFML.
 SLAB LONG/LANE 262/09, STATION 54622, 106 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

NO. NO. SITE NO. NO. DATE DATE UPDATED COMMENTS

15 3 HAYS H44 05.28.75 09.17.75 5 LB. C4, DOB# 40 IN., THICKNESS# 10. IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	IN - EXPLOSIVE WEIGHT	5.0000	LBS	1	2N	EXPLOSIVE DENSITY	578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.87500		10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	40.0000	IN	1	9N	IMPACT ORLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	66.0000	IN	2	11N	IM. POS. FR SHRT EDG	114.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZING	B&PC		10					
	21N - PAVEMENT THICKNESS	10.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.62500		10	24N	PAVEMENT DENSITY	853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.0000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
	220A - BASE TYPE	NONE		10					
	61N - SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	666.000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (RY V)	23.7000	% WATER	17	69N	SUB. DISTENTION	.690000		15
71N	SUB. SOLID DENSITY	961000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
	81N - SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
	98N - CRATER ASPECT RATIO	1.32000		29	99N	SURFACE CTR RADIUS	51.0000	IN	29
100N	RUBBLE VOL (EJECTA)	57920.0	CU-IN	58	101N	APPARENT CTR DEPTH	12.0000	IN	2
102N	APPARENT CTR RADIUS	55.0000	IN	2	103N	APPARENT CTR VOLUME	57920.0	CU-IN	55
104N	TRUE CRATER DEPTH	61.0000	IN	1	105N	TRUE CRATER RADIUS	55.0000	IN	1
106N	TRUE CRATER VOLUME	207200.	CU-IN	1	107N	EARTH CRATER VOLUME	112100.	CU-IN	1
108N	PAVEMENT CTR VOLUME	95000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	3.50000	IN	12
111N	FALL-BACK VOLUME	149300.	CU-IN	57	225A	CRATER TYPE (MES)	CAND-SPALL		14

RECORD NO. 15 EDIT NO. 23 CONTINUFD.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	37000.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	149300.0	CU-IN	60
114N	- V EARTH REMOVED (P)	34500.0	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REFL (E)	.0	CU-IN	65
122N	- V EARTH REFL (SP)	112100.0	CU-IN	66	123N	- V EARTH REFL (P)	403500.0	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	26500.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	62500.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261			227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	HAYS							

*** REPAIR DATA ***
 59 CU-IN
 64 CU-IN
 52 SQ-IN
 61 SQ-IN
 63 SQ-IN
 66 SQ-IN
 4 SQ-IN
 56 SQ-IN

*** EXTRA INFORMATION ***
 99
 10

TEST PERFORMED AT HAYS, KANSAS ON 26 MAY 1971. BY THE AFWL.
 SLAB LONG/LANE 256/07, STATION 53&62, 081 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. 16
 REV. NO. 3
 TEST SITE HAYS
 CREATION DATE 05-28-75
 DATE LAST UPDATED 09-17-75
 COMMENTS
 5 L.R. C4. DOR# 50 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	99
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	50.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	66.0000	IN	2	11N	- IM. POS. FR SHRT EDG	108.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLOYMENT	HAND		10
213A	- FUZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLAPS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	15
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.690000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.659000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	1.64000		29	99N	- SURFACE CTR RADIUS	46.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	37150.0	CU-IN	58	101N	- APPARENT CTR DEPTH	9.00000	IN	2
102N	- APPARENT CTR RADIUS	51.0000	IN	2	103N	- APPARENT CTR VOLUME	37150.0	CU-IN	55
104N	- TRUE CRATER DEPTH	78.0000	IN	1	105N	- TRUE CRATER RADIUS	51.0000	IN	1
106N	- TRUE CRATER VOLUME	181300.	CU-IN	1	107N	- EARTH CRATER VOLUME	117200.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	64000.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	- FALL-BACK VOLUME	144100.	CU-IN	57	225A	- CRATER TYPE (WES)	CAMO-SPALL		14

RECORD NO. 16 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	26850.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	144100.	CU-IN	60
114N	- V EARTH REMOVED (P)	33610.0	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		53
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	2.00000		62
118N	- PAV REPAIR AREA (E)	36000.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SO-IN	65
120N	- PAV REPAIR AREA (P)	72000.0	SO-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	67
122N	- V EARTH REPL (SP)	11720.0	CU-IN	66	123N	- V EARTH REPL (P)	373300.	CU-IN	54
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	64000.0	SO-IN	
126N	- PAV REMOVAL AREA (P)	64000.0	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261			227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS							

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SO-IN 52
 SO-IN 61
 SO-IN 63
 CU-IN 66
 SO-IN 4
 SO-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 26 MAY 1971, BY THE AFML.
 SLAB LONG/LANE 258/09, STATION 53622, 081 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST DATE LAST COMMENTS

NO. NO. NO. DATE UPDATED

17 2 HAYS H46 05.28.75 09.17.75 5 LB. C4, DOR# 10 IN., THICKNESS# 9.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	10.00000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	72.00000	IN	2	11N	IM. POS. FR SHRT EDG	108.0000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	IM. EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	69N	SUB. DISTENTION	.680000		19
68N	SUB. MOISTURE (BY V)	22.8000	% WATER	17	222A	SUBBASE TYPE	ORG CLAY		10
71N	SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19					
223A	SUBBASE SOIL CLASS	CH		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.0000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	.920000		29	99N	SURFACE CTR RADIUS	43.0000	IN	29
100N	RUBBLE VOL (EJECTA)	60670.0	CU-IN	58	101N	APPARENT CTR DEPTH	15.0000	IN	2
102N	APPARENT CTR RADIUS	50.0000	IN	2	103N	APPARENT CTR VOLUME	60670.0	CU-IN	55
104N	TRUE CRATER DEPTH	40.0000	IN	1	105N	TRUE CRATER RADIUS	50.0000	IN	1
106N	TRUE CRATER VOLUME	10010.0	CU-IN	1	107N	EARTH CRATER VOLUME	33300.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	67000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	2.00000	IN	12
111N	FALL-BACK VOLUME	39430.0	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 17 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	6328.00	CU-IN	59	113N	- V EARTH REMOVED (SP)	39430.0	CU-IN	60
114N	- V EARTH REMOVED (P)	179200.	CU-IN	64	115N	- NO. SLABS REPL (F)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	7882.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	33300.0	CU-IN	66	123N	- V EARTH REPL (P)	239800.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	CU-IN	4	125N	- PAV REMOVAL ARFA (SP)	28120.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	64120.0	SQ-IN	56					
*** REPAIR DATA ***									
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	HAYS		10					
*** EXTRA INFORMATION ***									

TEST PERFORMED AT HAYS, KANSAS ON 27 MAY 1971, BY THE AFML.
 SLAB LONG/LANE 252/09, STATION 51822, 106 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 18 3 HAYS H47 05.28.75 09.17.75 5 LB. C4. DOR# 20 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10					
8N	DEPTH OF BURST	20.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10					
10N	IM. POS. FR LONG EDG	72.0000	IN	2	11N	IM. POS. FR SHRT EDG	108.000	IN	2					
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98					
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND	HAND	10					
213A	FUZZING	R&PC		10	*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10					
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13					
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13					
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10					
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10					
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10					
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10					
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10					
*** B. SE DATA ***														
220A	BASE TYPE	NONE		10	*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16					
68N	SUB. MOISTURE (BY V)	22.8000	% WATER	17	69N	SUB. DISTENT IDN	.680000		19					
71N	SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10					
223A	SUBBASE SOIL CLASS	CH		16	*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16					
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19					
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16					
*** CRATER DATA ***														
98N	CRATER ASPECT RATIO	.920000		29	99N	SURFACE CTR RADIUS	48.0000	IN	29					
100N	RUBBLE VOL (EJECTA)	113100.	CU-IN	58	101N	APPARENT CTR DEPTH	24.0000	IN	2					
102N	APPARENT CTR RADIUS	53.0000	IN	2	103N	APPARENT CTR VOLUME	113100.	CU-IN	55					
104N	TRUE CRATER DEPTH	44.0000	IN	1	105N	TRUE CRATER RADIUS	53.0000	IN	1					
106N	TRUE CRATER VOLUME	129500.	CU-IN	1	107N	EARTH CRATER VOLUME	60200.0	CU-IN	1					
108N	PAVEMENT CTR VOLUME	69000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	2.50000	IN	12					
111N	FALL-BACK VOLUME	16360.0	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14					

RECORD NO. 18 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	-0			113N	- V EARTH REMOVED (SP)	16360.0	CU-IN	60
114N	- V EARTH REMOVED (P)	161000.		59	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		64	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	14350.0		52	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	108000.		61	121N	- V EARTH REPL (E)	44140.0	CU-IN	65
122N	- V EARTH REPL (SP)	60200.0		63	123N	- V EARTH REPL (P)	274200.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0		66	125N	- PAV REMOVAL AREA (SP)	27380.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	99400.0		4					
				56					
226A	- DATA SOURCE	AFWL TR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SO-IN
 SO-IN
 CU-IN
 SO-IN

*** EXTRA INFORMATION ***
 AFWL TR7261
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 27 MAY 1971, BY THE AFWL-
 SLAB LONG/LANE 247/10, STATION 51621, 119 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. 19 TEST SITE HAYS TEST NO. 48 CREATION DATE 05-28-75 DATE LAST UPDATED 09-17-75 COMMENTS
 5 LB. C4, DOB# 30 IN., THICKNESS# 8.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	30.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGRFES	10
10N	IN. POS. FR LONG EDG	72.0000	IN	2	11N	IN. POS. FR S-RT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	22.8000	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CH		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
98N	CRATER ASPECT RATIO	1.02000		29					
100N	RJBBLE VOL (EJECTA)	104800.	CU-IN	58	99N	SURFACE CTR RADIUS	57.0000	IN	29
102N	APPARENT CTR RADIUS	60.0000	IN	2	101N	APPARENT CTR DEPTH	18.0000	IN	2
104N	TRUE CRATER DEPTH	59.0000	IN	1	103N	APPARENT CTR VOLUME	104800.	CU-IN	55
106N	TRUE CRATER VOLUME	227200.	CU-IN	1	105N	TRUE CRATER RADIUS	60.0000	IN	1
108N	PAVEMENT CTR VOLUME	95000.0	CU-IN	1	107N	EARTH CRATER VOLUME	132600.	CU-IN	1
111N	FALL-BACK VOLUME	122400.	CU-IN	57	110N	MAX UPHEAVAL HEIGHT	2.50000	IN	12
					225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 19 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	.0	CJ-IN	59	113N	- V EARTH REMOVED (SP)	122400.	CU-IN	60
114N	- V EARTH REMOVED (P)	320700.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	14060.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	CU-IN	63	121N	- V EARTH REPL (E)	9841.00	CU-IN	65
122N	- V EARTH REPL (SP)	132600.	CU-IN	66	123N	- V EARTH REPL (P)	425600.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	60820.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	96820.0	CU-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 31 MAY 1971, BY THE AFML-
SLAB LONG/LANE 245/10, STATION 50&80, 119 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD NO. 20
 TEST NO. 49
 TEST SITE HAYS
 CREATION DATE 05.28.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 5 LB. C4, DOB# 40 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	40.0000	IN	1	9N	IMPACT ORLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	48.0000	IN	2	11N	IM. POS. FR SHRT EDG	114.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	86PC		10					
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	22.8000	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	DRG CLAY		10
223A	SUBBASE SOIL CLASS	CH		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
98N	CRATER ASPECT RATIO	1.19000		29	99N	SURFACE CTR RADIUS	54.0000	IN	29
100N	RUBBLE VOL (EJECTA)	36340.0	CU-IN	58	101N	APPARENT CTR DEPTH	6.00000	IN	2
102N	APPARENT CTR RADIUS	62.0000	IN	2	103N	APPARENT CTR VOLUME	36340.0	CU-IN	55
104N	TRUE CRATER DEPTH	66.0000	IN	1	105N	TRUE CRATER RADIUS	62.0000	IN	1
106N	TRUE CRATER VOLUME	206200.	CU-IN	1	107N	EARTH CRATER VOLUME	109600.	CU-IN	1
108N	PAVEMENT CTR VOLUME	97000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	2.50000	IN	12
111N	FALL-BACK VOLUME	169900.	CU-IN	57	225A	CRATER TYPE (MES)	CAMO-SPALL		14

RECORD NO. 20 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	60660.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	16900.0	CU-IN	60
114N	- V EARTH REMOVED (P)	38390.0	CU-IN	54	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	10800.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	109600.0	CU-IN	66	123N	- V EARTH REPL (P)	420300.0	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	23880.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	95980.0	SQ-IN	56					
*** REPAIR DATA ***									
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					
*** EXTRA INFORMATION ***									

TEST PERFORMED AT HAYS, KANSAS ON 31 MAY 1971, BY THE AFML.
SLAB LONG/LANE 245/09, STATION 50642, 106 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 21 3 HAYS M50 05.28.75 09.17.75 5 LB. C4. DOR# 40 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.87500	IN	10	5N	DEVICE HEIGHT	5.00000	LBS	10
8N	DEPTH OF BURST	40.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IN. POS. FR LONG EDG	60.0000	IN	2	11N	IN. POS. FR SMRT EDG	108.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FJZING	BEPC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	8.00000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	125.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGF	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SJB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16
68N	SJB. MOISTURE (BY V)	22.8000	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CH		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	SOIL DISTENTION	.680000		19
91N	SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.16000		29	99N	SURFACE CTR RADIUS	55.0000	IN	29
100N	RUBBLE VOL (EJECTA)	47940.0	CU-IN	58	101N	APPARENT CTR DEPTH	9.00000	IN	2
102N	APPARENT CTR RADIUS	58.0000	IN	2	103N	APPARENT CTR VOLUME	47940.0	CU-IN	55
104N	TRUE CRATER DEPTH	64.0000	IN	1	105N	TRUE CRATER RADIUS	58.0000	IN	1
106N	TRUE CRATER VOLUME	23340.0	CU-IN	1	107N	FARTH CRATER VOLUME	150300.	CU-IN	1
108N	PAVEMENT CTR VOLUME	83000.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	185500.	CU-IN	57	225A	CRATER TYPE (WES)	CAMD-SPALL		14

RECORD NO. 21 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	35060.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	185500.	CU-IN	60
114N	- V EARTH REMOVED (P)	471500.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	150300.	CU-IN	66	123N	- V EARTH REPL (P)	519400.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	61630.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	97630.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFMLTR7261
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 31 MAY 1971, BY THE AFML.
 SLAB LONG/LANE 241/10, STATION 50600, 119 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 22 2 HAYS H52 05.28.75 09.17.75 5 LR. C4, 008* 50 IN., THICKNESS* 9.5 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
84	- DEPTH OF BURST	50.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	66.0000	IN	2	11N	- IM. POS. FR SHRT EDG	108.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- FEMPLACEMENT	HAND		10
213A	- FUZING	REPC		10					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	56000.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	- BASE TYPE	NONE		10					
*** BASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	5.50000		29	99N	- SURFACE CTR RADIUS	14.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	82.7300	CU-IN	58	101N	- APPARENT CTR DEPTH	2.00000	IN	2
102N	- APPARENT CTR RADIUS	5.00000	IN	2	103N	- APPARENT CTR VOLUME	82.7300	CU-IN	55
104N	- TRUE CRATER DEPTH	78.0000	IN	1	105N	- TRUE CRATER RADIUS	27.0000	IN	1
106N	- TRUE CRATER VOLUME	69100.0	CU-IN	1	107N	- EARTH CRATER VOLUME	68600.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	500.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	4.00000	IN	12
111N	- FALL-BACK VOLUME	69020.0	CU-IN	57	225A	- CRATER TYPE (WES)	CAMO-HEAVE		14

RECORD NO. 22 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	RF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	417.300	CU-IN	59	113N	- V EARTH REMOVED (SP)	690.20.0	CU-IN	60
114N	- V EARTH REMOVED (P)	607600.	CU-IN	54	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	14400.0	SO-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	68600.0	CU-IN	66	123N	- V EARTH REPL (P)	607700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	35940.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	143900.	SO-IN	56					
226A	- DATA SOURCE	AFML TR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 31 MAY 1971, BY THE AFML.
SLAB LONG/LANE 284/05, STATION 53642, 056 FEET FROM LEFT EDGE
OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATON DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 23 2 HAYS H53 05-28-75 09-17-75 5 LB. C4, DOB# 50 IN., THICKNESS# 8.0 IN

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000F-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
8N	- DEPTH OF BURST	50.00000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	66.00000	IN	2	11N	- IM. POS. FR SHRT EDG	114.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SO-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	125.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.657000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	22.8000	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.655000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	26.5000	% WATER	17	89N	- SOIL DISTENTION	.680000		19
91N	- SOIL SOLID DENSITY	.961000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	12.1600		29	99N	- SURFACE CTR RADIUS	6.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	1763.00	CU-IN	58	101N	- APPARENT CTR DEPTH	7.00000	IN	2
102N	- APPARENT CTR RADIUS	12.0000	IN	2	103N	- APPARENT CTR VOLUME	1763.00	CU-IN	55
104N	- TRUE CRATER DEPTH	73.0000	IN	1	105N	- TRUE CTR RADIUS	26.0000	IN	1
106N	- TRUE CRATER VOLUME	84700.0	CU-IN	1	107N	- EARTH CRATER VOLUME	83800.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	900.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	6.00000	IN	12
111N	- FALL-BACK VOLUME	62940.0	CU-IN	57	225A	- CRATER TYPE (WES)	CAMO-HEAVE		14

RECORD NO. 23 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	.0			113N	- V EARTH REMOVED (SP)	82940.0	CU-IN	60
114N	- V EARTH REMOVED (P)	421700.	CU-IN	59	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000	CU-IN	64	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	52	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	144000.	SQ-IN	61	121N	- V EARTH REPL (E)	863.000	CU-IN	65
122N	- V EARTH REPL (SP)	83800.0	CU-IN	66	123N	- V EARTH REPL (P)	423500.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	750.000	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	35890.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	143900.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 15 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 270/05, STATION 50&60, 056 FEET FROM LEFT EDGE
 OF THE RUNWAY TEST SECTION.

RECORD NO. 24 TEST SITE HAYS
 TEST NO. 2 TEST DATE 05.28.75
 CREATION DATE 09.17.75
 DATE LAST UPDATED 15 LB. C4, 10 IN. DOR, 10.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	10.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	BEPC		10					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	10.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DFNSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10					
*** BASE DATA ***									
61N	SJB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.651000E-01	LB/CU-IN	16
68N	SJB. MOISTURE (BY V)	23.7500	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.09000		29	99N	SURFACE CTR RADIUS	50.0000	IN	29
100N	RUBBLE VOL (EJECTA)	165800.	CU-IN	58	101N	APPARENT CTR DEPTH	36.0000	IN	2
102N	APPARENT CTR RADIUS	50.0000	IN	2	103N	APPARENT CTR VOLUME	165800.	CU-IN	55
104N	TRUE CRATER DEPTH	55.0000	IN	1	105N	TRUE CRATER RADIUS	50.0000	IN	1
106N	TRUE CRATER VOLUME	205400.	CU-IN	1	107N	EARTH CRATER VOLUME	126900.	CU-IN	1
108N	PAVEMENT CTR VOLUME	78500.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	.500000	IN	12
111N	FALL-BACK VOLUME	39600.0	CU-IN	57	225A	CRATER TYPE (WES)	FLOW-OUT		14

RECORD NO. 24 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	39600.0	CU-IN	60
114N	- V EARTH REMOVED (P)	193100.	CU-IN	54	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (F)	9290.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	87300.0	CU-IN	65
122N	- V EARTH REPL (SP)	126900.	CU-IN	66	123N	- V EARTH REPL (P)	358900.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	23150.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	64150.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 28 APR 1971, BY THE AFML.
 SLAB LONG/LANE 10/ 6, STATION 3681, 69 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 4 TEST SITE HAYS
 CREATION DATE 05-28-75
 DATE LAST UPDATED 09-17-75
 COMMENTS
 15 LB. C4, 10 IN. DOB, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000		10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	10.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMLACEMENT	HAND		10
213A	- FUZING	8&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
38N	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
214A	- PAVEMENT TYPE	OLD		10	218A	- OVERLAYMENT	NONE		10
217A	- AGE	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
201A	- PAV CONSTRUCTION			10					
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.651000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.7500	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.961000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	- SOIL DISTENTION	.750000		19
91N	- SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	1.07000		29	99N	- SURFACE CTR RADIUS	51.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	128700.	CU-IN	58	101N	- APPARENT CTR DEPTH	34.0000	IN	2
102N	- APPARENT CTR RADIUS	63.0000	IN	2	103N	- APPARENT CTR VOLUME	128700.	CU-IN	69
104N	- TRUE CRATER DEPTH	55.0000	IN	1	105N	- TRUE CRATER RADIUS	63.0000	IN	1
106N	- TRUE CRATER VOLUME	177700.	CU-IN	1	107N	- EARTH CRATER VOLUME	710000.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	106000.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	2.50000	IN	12
111N	- FALL-BACK VOLUME	490000.0	CU-IN	57	225A	- CRATER TYPE (WES)	BLOW-OUT		14

RECORD NO. 25 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	49000.0	CU-IN	60
114N	- V EARTH REMOVED (P)	217300.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (F)	13620.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	36000.0	SQ-IN	63	121N	- V EARTH REPL (E)	22700.0	CU-IN	65
122N	- V EARTH REPL (SP)	71000.0	CU-IN	66	123N	- V EARTH REPL (P)	346000.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	23530.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	23530.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 CU-IN 66
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 30 APR 1971, BY THE AFWL-
 SLAB LONG/LANE 8/ 8, STATION 03638, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 26 3 HAYS H3 05.28.75 09.17.75 15 LB. C4, 10 IN. DDB, 10.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	-578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000		10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	10.0000	IN	2	9N	IMPACT ORBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	4	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	4	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZING	REPC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	10.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	-853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	-990000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLP		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	22A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	-657000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	21.1500	% WATER	17	69N	SUB. DISTENTION	-670000		19
71N	SUB. SOLID DENSITY	.982000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	-737000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.18000		29	99N	SURFACE CTR RADIUS	46.0000	IN	29
100N	RUBBLE VOL (EJECTA)	154100.	CU-IN	58	101N	APPARENT CTR DEPTH	34.0000	IN	2
102N	APPARENT CTR RADIUS	50.0000	IN	2	103N	APPARENT CTR VOLUME	154100.	CU-IN	55
104N	TRUE CRATER DEPTH	55.0000	IN	1	105N	TRUE CRATER RADIUS	50.0000	IN	1
106N	TRUE CRATER VOLUME	229900.	CU-IN	1	107N	EARTH CRATER VOLUME	151300.	CU-IN	1
108N	PAVEMENT CTR VOLUME	78500.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	75800.0	CU-IN	57	225A	CRATER TYPE (MES)	BLOW-OUT		14

RECORD NO. 26 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	75800.0	CU-IN	60
114N	- V EARTH REMOVED (P)	283100.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000	SO-IN	52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	8570.00	SO-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	CU-IN	63	121N	- V EARTH REPL (E)	75600.0	CU-IN	65
122N	- V EARTH REPL (SP)	151300.	CU-IN	66	123N	- V EARTH REPL (P)	437200.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	28150.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	64150.0	SO-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 30 APR 1971. BY THE AFWL.
 SLAB LONG/LANE 12/ 7, STATION 04&20, 81 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 27 REV. NO. 3 TEST SITE H4 TEST NO. H4 CREATION DATE 05.28.75 DATE LAST UPDATED 09.17.75 COMMENTS 15 LB. C4, 30 IN. DOR, 10.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	30.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	86PC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	10.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PST	13	26N	PAV. COMP. MODULUS	.590000E+07	PST	10
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLC		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10	62N	SJR. DENSITY	.657000E-01	LB/CU-IN	16
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	69N	SUB. DISTENTION	.670000		19
68N	SUB. MOISTURE (BY V)	21.1500	% WATER	17	222A	SUBBASE TYPE	ORG CLAY		10
71N	SUB. SOLID DENSITY	.982000E-01	LB/CU-IN	19					
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.15000		29	99N	SURFACE CTR RADIUS	59.0000	IN	29
100N	RUBBLE VOL (EJECTA)	307200.	CU-IN	58	101N	APPARENT CTR DEPTH	40.0000	IN	2
102N	APPARENT CTR RADIUS	66.0000	IN	2	103N	APPARENT CTR VOLUME	307200.	CU-IN	55
104N	TRUE CRATER DEPTH	68.0000	IN	1	105N	TRUE CRATER RADIUS	66.0000	IN	1
106N	TRUE CRATER VOLUME	345600.	CU-IN	1	107N	EARTH CRATER VOLUME	208800.	CU-IN	1
108N	PAVEMENT CTR VOLUME	136800.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	38390.0	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 27 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	-0	CU-IN	59	113N	- V EARTH REMOVED (SP)	38390.0	CU-IN	60
114N	- V EARTH REMOVED (P)	252100.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	170400.	CU-IN	65
122N	- V EARTH REPL (SP)	208800.	CU-IN	66	123N	- V EARTH REPL (P)	559300.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	-0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	22320.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	58320.0	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 30 APR 1971, BY THE AFML-SLAB LONG/LINE 14/ 6, STATION 04660, 69 FEET FROM THE LEFT EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 28 3 HAYS 05-28-75 09-17-75 15 LB. C4, 30 IN. DOB, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1-67000		10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	30.0000	IN	1	9N	IMPACT ORL QUITY	.0	DEGREES	10
10N	14. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.62500		10	24N	PAV. COMP. MODULUS	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10	62N	SUR. DENSITY	.657000E-01	LB/CU-IN	16
61N	SUR. THICKNESS	60.0000	IN	10	69N	SUR. DISTENTION	.670000		19
68N	SUR. MOISTURE (BY V)	21.1500	% WATER	17	222A	SUBBASE TYPE	ORG CLAY		10
71N	SUR. SOLID DENSITY	.982000E-01	LB/CU-IN	19					
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (RY V)	22.8200	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.11000		29	99N	SURFACE CTR RADIUS	63.0000	IN	29
100N	RJBLE VOL (EJECTA)	316600.	CU-IN	58	101N	APPARENT CTR DPTH	41.0000	IN	2
102N	APPARENT CTR RADIUS	66.0000	IN	2	103N	APPARENT CTR VOLUME	316600.	CU-IN	55
104N	TRUE CRATER DEPTH	70.0000	IN	1	105N	TRUE CRATER RADIUS	66.0000	IN	1
106N	TRUE CRATER VOLUME	458400.	CU-IN	1	107N	FARTH CRATER VOLUME	3421.00.	CU-IN	1
108N	PAVEMENT CTR VOLUME	116300.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	141800.	CU-IN	57	225A	CRATER TYPE (MES)	STANDARD		14

RECORD NO. 28 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	141800.	CU-IN	60
114N	- V EARTH REMOVED (P)	512000.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180000.	SQ-IN	63	121N	- V EARTH REPL (E)	200300.	CU-IN	65
122N	- V EARTH REPL (SP)	342100.	CU-IN	66	123N	- V EARTH REPL (P)	828700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	58320.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	166300.	SQ-IN	56					
*** REPAIR DATA ***									
226A	- DATA SOURCE	AFHLTR7261		99	227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	HAYS		10					
*** EXTRA INFORMATION ***									

TEST PERFORMED AT HAYS, KANSAS ON 10 MAY 1971, BY THE AFML.
 SLAB LONG/LANE 16/ 8, STATION 05602, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 29 REV. NO. 2 TEST SITE HAYS TEST NO. M6 CREATION DATE 05-28-75 DATE LAST UPDATED 09-17-75 COMMENTS 15 LB. C4, 30 IN. DOR, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH CF BURST	30.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.62500		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PST	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	21.1500	% WATER	17	69N	SUB. DISTENTION	.670000		19
71N	SUB. SOLID DENSITY	.982000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.737000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.21000		29	99N	SURFACE CTR RADIUS	59.0000	IN	29
100N	RUBBLE VOL (EJECTA)	335900.	CU-IN	58	101N	APPARENT CTR DEPTH	43.0000	IN	2
102N	APPARENT CTR RADIUS	66.0000	IN	2	103N	APPARENT CTR VOLUME	335900.	CU-IN	55
104N	TRUE CRATER DPTH	72.0000	IN	1	105N	TRUE CRATER RADIUS	66.0000	IN	1
106N	TRUE CRATER VOLUME	416600.	CU-IN	1	107N	EARTH CRATER VOLUME	300300.	CU-IN	1
108N	PAVEMENT CTR VOLUME	116300.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	2.00000	IN	12
111N	FALL-BACK VOLUME	80750.0	CU-IN	57	225A	CRATER TYPE (MES)	STANDARD		14

RECORD NO. 29 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	- 0			113N	- V EARTH REMOVED (SP)	80750.0	CU-IN	60
114N	- V EARTH REMOVED (P)	501300.			115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000			117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	36000.0			119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	146000.			121N	- V EARTH REPL (E)	219600.	CU-IN	65
122N	- V EARTH REPL (SP)	300300.			123N	- V EARTH REPL (P)	837200.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	- 0			125N	- PAV REMOVAL AREA (SP)	22320.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	130300.							
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 12 MAY 1971, BY THE AFML -
 SLAB LONG/LANE 17/ 5, STATION 05620, 56 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
30	2	HAYS	H7	05.28.75	09.17.75	15 LB. C4, 50 IN. DOR, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	- LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10					
8N	- DEPTH OF BURST	50.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10					
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2					
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLACEMENT	HAND		10					
213A	- FUZING	B&PC		10										
*** PAVEMENT DATA ***														
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10					
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13					
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13					
30N	- PNT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10					
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10					
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10					
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10					
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***														
220A	- BASE TYPE	NONE		10										
*** SURBASE DATA ***														
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.657000E-01	LB/CU-IN	16					
68N	- SUB. MOISTURE (BY V)	21.1500	% WATER	17	69N	- SUB. DISTENTION	.670000		19					
71N	- SUB. SOLID DENSITY	.982000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10					
223A	- SURBASE SOIL CLASS	CHCL		16										
*** SOIL DATA ***														
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.737000E-01	LB/CU-IN	16					
89N	- SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	- SOIL DISTENTION	.750000		19					
91N	- SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CH		16					
*** CRATER DATA ***														
98N	- CRATER ASPECT RATIO	1.69000		29	99N	- SURFACE CTR RADIUS	52.0000	IN	29					
100N	- RUBBLE VOL (EJECTA)	259700.	CU-IN	58	101N	- APPARENT CTR DEPTH	40.0000	IN	2					
102N	- APPARENT CTR RADIUS	60.0000	IN	2	103N	- APPARENT CTR VOLUME	259700.	CU-IN	55					
104N	- TRUF CRATER DEPTH	89.0000	IN	1	105N	- TRUF CRATER RADIUS	60.0000	IN	1					
106N	- TRUE CRATER VOLUME	352400.	CU-IN	1	107N	- EARTH CRATER VOLUME	256300.	CU-IN	1					
108N	- PAVEMENT CTR VOLUME	96100.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	2.00000	IN	12					
111N	- FALL-BACK VOLUME	92690.0	CU-IN	57	225A	- CRATER TYPE (WES)	STANDARD		14					

RECORD NO. 30 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	92690.0	CU-IN	60
114N	- V EARTH REMOVED (P)	536000.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	40320.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	163600.	CU-IN	65
122N	- V EARTH REPL (SP)	256300.	CU-IN	66	123N	- V EARTH REPL (P)	795700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	60690.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	60690.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 12 MAY 1971, BY THE AFWL-
 SLAB LONG/LANE 18/8, STATION 05643, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS

NO. NO. SITE NO. DATE DATE UPDATED

31 2 HAYS 05.28.75 09.17.75 15 LB. C4, 50 IN. DOR, 10.0 IN PAVEMENT

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
*** WEAPON DATA ***											
1N	-	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	-	EXPLOSIVE DENSITY	578000E-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (MH)	1.67000		10	5N	-	DEVICE WEIGHT	15.0000	LBS	13
8N	-	DEPTH OF BURST	50.0000	IN	1	9N	-	IMPACT OBLIQUITY	.0	DEGREES	10
10N	-	IM. POS. FR LONG EDG	75.0000	IN	2	11N	-	IM. POS. FR SHRT EDG	120.000	IN	2
12N	-	IMPACT VELOCITY	.0	FT/SEC	10	13N	-	TNT EQUIVALENT EXPL.	16.3800	LBS	93
211A	-	EXPLOSIVE NAME	COMP C4		10	212A	-	EMPLACEMENT	HAND		10
213A	-	FUZZING	REPC		10						
*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	10.0000	IN	1	22N	-	SLAB AREA	36000.0	SQ-IN	10
23N	-	SLAB ASPECT RATIO	.625000		10	24N	-	PAVEMENT DENSITY	.853000E-01	LR/CU-IN	13
25N	-	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	-	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	-	PENT. HOLE DIAMETER	6.00000	IN	10	31N	-	REBAR DENSITY	.0	IN/SQ-IN	10
38N	-	TEST AREA LENGTH	5.000.00	FEET	10	39N	-	TEST AREA WIDTH	150.000	FEET	10
214A	-	PAVEMENT TYPE	PCC		10	215A	-	REINFORCEMENT	NONE		10
217A	-	AGE	OLD		10	218A	-	OVERLAYMENT	NONE		10
201A	-	PAV CONSTRUCTION	POURED		10	202A	-	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***											
220A	-	BASE TYPE	NONE		10						
*** SUBBASE DATA ***											
61N	-	SUB. THICKNESS	60.0000	IN	10	62N	-	SUB. DENSITY	.657000E-01	LR/CU-IN	16
68N	-	SUB. MOISTURE (RY V)	21.1500	% WATER	17	69N	-	SUB. DISTENTION	.670000		19
71N	-	SUB. SOLID DENSITY	.982000E-01	LB/CU-IN	19	222A	-	SUBBASE TYPE	ORG CLAY		10
223A	-	SUBBASE SOIL CLASS	CHCL		16						
*** SOIL DATA ***											
81N	-	SOIL THICKNESS	144.000	IN	10	82N	-	SOIL DENSITY	.737000E-01	LR/CU-IN	16
88N	-	SOIL MOISTURE (RY V)	22.8200	% WATER	17	89N	-	SOIL DISTENTION	.750000		19
91N	-	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	-	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***											
98N	-	CRATER ASPECT RATIO	2.04000		29	99N	-	SURFACE CTR RADIUS	46.0000	IN	29
100N	-	RUBBLE VOL (EJECTA)	136700.	CU-IN	58	101N	-	APPARENT CTR DEPTH	30.0000	IN	2
102N	-	APPARENT CTR RADIUS	51.0000	IN	2	103N	-	APPARENT CTR VOLUME	136700.	CU-IN	55
104N	-	TRUE CRATER DEPTH	96.0000	IN	1	105N	-	TRUE CRATER RADIUS	51.0000	IN	1
105N	-	TRUE CRATER VOLUME	278200.	CU-IN	1	107N	-	EARTH CRATER VOLUME	196400.	CU-IN	1
108N	-	PAVEMENT CTR VOLUME	81700.0	CU-IN	1	110N	-	MAX UPHEAVAL HEIGHT	2.50000	IN	12
111N	-	FALL-BACK VOLUME	14150C.	CU-IN	57	225A	-	CRATER TYPE (MES)	STANDARD		14

RECORD NO. 31 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	141500.	CU-IN	60
114N	- V EARTH REMOVED (P)	587800.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	39170.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	144000.	SQ-IN	63	121N	- V EARTH REPL (E)	55010.0	CU-IN	65
122N	- V EARTH REPL (SP)	196400.	CU-IN	66	123N	- V EARTH REPL (P)	724500.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	63830.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	135800.	SQ-IN	56					
226A	- DATA SOURCE	AFHLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 12 APR 1971, BY THE AFWL.
 SLAB LONG/LANE 20/ 6, STATION 05683, 69 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 32
 TEST SITE H9
 CREATION DATE 05.28.75
 DATE UPDATED 09.17.75
 COMMENTS: 15 LB. C4, 50 IN. DOR, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	RFF	KEY	TYPE - NAME	VALUE	UNITS	RFF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000		10	5N	IMPACT WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	50.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	RGPC		10					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. CCHP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVFLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.657000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	21.1500	% WATER	17	59N	SUB. DISTENTION	.670000		19
71N	SUB. SOLID DENSITY	.982000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.737000E-01	LB/CU-IN	15
88N	SOIL MOISTURE (BY V)	22.8200	% WATER	17	89N	SOIL DISTENTION	.750000		19
91N	SOIL SOLID DENSITY	.983000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.34000		29	99N	SURFACE CTR RADIUS	59.0000	IN	29
100N	RUBBLE VOL (EJECTA)	279700.	CU-IN	58	101N	APPARENT CTR DEPTH	37.0300	IN	2
102N	APPARENT CTR RADIUS	66.0000	IN	2	103N	APPARENT CTR VOLUME	279700.	CU-IN	55
104N	TRUE CRATER DEPTH	78.0000	IN	1	105N	TRUE CRATER RADIUS	66.0000	IN	1
106N	TRUE CRATER VOLUME	371700.	CU-IN	1	107N	EARTH CRATER VOLUME	255400.	CU-IN	1
108N	PAVEMENT CTR VOLUME	116300.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	5.50000	IN	12
111N	FALL-BACK VOLUME	92010.0	CU-IN	57	225A	CRATER TYPE (MES)	STANDARD		14

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	0	CU-IN	59	113N	- V EARTH REMOVED (SP)	92010.0	CU-IN	60
114N	- V EARTH REMOVED (P)	586900.	CU-IN	64	115N	- NO. SLABS REPL (E)	1-00000		51
116N	- NO. SLABS REPL (SP)	2-00000		52	117N	- NO. SLABS REPL (P)	3-00000		53
118N	- PAV REPAIR AREA (E)	41040.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	10800.0	SO-IN	63	121N	- V EARTH REPL (E)	163400.	CU-IN	65
122N	- V EARTH REPL (SP)	255400.	CU-IN	66	123N	- V EARTH REPL (P)	866600.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	1000.00	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	59320.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	94320.0	SO-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SO-IN 61
 SO-IN 63
 CU-IN 66
 SO-IN 4
 SO-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 13 MAY 1971, BY THE AFWL.
 SLAB LONG/LANE 23/ 8, STATION 06642, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 33
 REV. NO. 2
 TEST SITE M10
 TEST NO. 05.28.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 15 LB. C4, 70 IN. OOB, 11.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10					
8N	DEPTH OF BURST	70.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10					
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2					
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10					
213A	FUZZING	BSPC		10	*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	11.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10					
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13					
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13					
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10					
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10					
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10					
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10					
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***														
220A	BASE TYPE	NONE		10	62N	SUB. DENSITY	.658000E-01	LB/CU-IN	16					
*** SUBBASE DATA ***														
61N	SUB. THICKNESS	60.0000	IN	10	69N	SUB. DISTENTION	.680000		19					
68N	SUB. MOISTURE (BY V)	23.4600	% WATER	17	222A	SUBBASE TYPE	ORG CLAY		10					
71N	SUB. SOLID DENSITY	.968000E-01	LB/CU-IN	19	*** SOIL DATA ***									
223A	SUBBASE SOIL CLASS	CH		16	82N	SOIL DENSITY	.672000E-01	LB/CU-IN	16					
81N	SOIL THICKNESS	144.000	IN	10	89N	SOIL DISTENTION	.700000		19					
88N	SOIL MOISTURE (BY V)	20.9800	% WATER	17	224A	SOIL CLASSIFICATION	CHCL		16					
91N	SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	17.2000		29	99N	SURFACE CTR RADIUS	6.00000	IN	29					
100N	RUBBLE VOL (EJECTA)	820.000	CU-IN	58	101N	APPARENT CTR DEPTH	30.0000	IN	2					
102N	APPARENT CTR RADIUS	3.00000	IN	2	103N	APPARENT CTR VOLUME	820.000	CU-IN	55					
104N	TRUE CRATER DEPTH	115.000	IN	1	105N	TRUE CRATER RADIUS	32.0000	IN	1					
106N	TRUE CRATER VOLUME	19440.0	CU-IN	1	107N	EARTH CRATER VOLUME	194100.	CU-IN	1					
108N	PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	9.00000	IN	12					
111N	FALL-BACK VOLUME	193600.	CU-IN	57	225A	CRATER TYPE (MES)	CAMD-HEAVE		14					

RECORD NO. 33 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	193600.	CU-IN	60
114N	- V EARTH REMOVED (P)	.128400E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	396000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	720000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	520.000	CU-IN	65
122N	- V EARTH REPL (SP)	194100.	CU-IN	66	123N	- V EARTH REPL (P)	.128500E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	16000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	71970.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 01 JUN 1971, BY THE AFML.
SLAB LONG/LANE 74/ 7, STATION 16660, 81 FEET FROM THE LEFT
EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 34 3 HAYS H12 05-28-75 09-17-75 15 LB. C4, 70 IN. DOB, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	70.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLACEMENT	HAND		10
213A	- FUZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	0	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.4600	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.968000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SURBASE SOIL CLASS	CH		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.672000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	20.9800	% WATER	17	89N	- SOIL DISTENTION	.700000		19
91N	- SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	12.3100		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	270800.	CU-IN	58	101N	- APPARENT CTR DEPTH	36.0000	IN	2
102N	- APPARENT CTR RADIUS	66.0000	IN	2	103N	- APPARENT CTR VOLUME	270800.	CU-IN	55
104N	- TRUE CRATER DEPTH	99.0000	IN	1	105N	- TRUE CRATER RADIUS	66.0000	IN	1
106N	- TRUE CRATER VOLUME	271000.	CU-IN	1	107N	- EARTH CRATER VOLUME	154700.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	116400.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	5.00000	IN	12
111N	- FALL-BACK VOLUME	244.4400	CU-IN	57	225A	- CRATER TYPE (WES)	CAMD-SPALL		14

RECORD NO. 34 FDOT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	.0			113N	- V EARTH REMOVED (SP)	244,400	CU-IN	60
114N	- V EARTH REMOVED (P)	869800.			115N	- NO. SLABS REPL (E)	1,00000		51
116N	- NO. SLABS REPL (SP)	2,00000			117N	- NO. SLABS REPL (P)	3,00000		53
118N	- PAV REPAIR AREA (E)	37730.0			119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.			121N	- V EARTH REPL (E)	154400.	CU-IN	65
122N	- V EARTH REPL (SP)	154700.			123N	- V EARTH REPL (P)	.114100E+07	CU-IN	57
124N	- PAV REMOVAL AREA (E)	4000.00			125N	- PAV REMOVAL AREA (SP)	58310.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	94310.0							
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 59
 CU-IN
 64
 CU-IN
 52
 SQ-IN
 61
 SQ-IN
 63
 SQ-IN
 66
 CU-IN
 4
 SQ-IN
 56
 SQ-IN

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 02 JUN 1971, BY THE AFWL.
 SLAB LONG/LANE 85/ 8, STATION 18663, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST CREATION DATE LAST
NO. NO. SITE NO. DATE UPDATED

35 2 HAYS H13 05.28.75 09.17.75 15 LB. C4, 90 IN. DDB, 11.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	90.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZING	B6PC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	11.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. CORP. STRENGTH	10022.0	PST	13	26N	PAV. COMP. MODULUS	.590000E+07	PST	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	SOIL DISTENTION	.730000		19
91N	SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	4.92000		29	99N	SURFACE CTR RADIUS	8.00000	IN	29
100N	RURBLE VOL (EJECTA)	763.400	CU-IN	58	101N	APPARENT CTR DEPTH	28.0000	IN	2
102N	APPARENT CTR RADIUS	3.00000	IN	2	103N	APPARENT CTR VOLUME	763.400	CU-IN	55
104N	TRUE CRATER DEPTH	120.000	IN	1	105N	TRUE CRATER RADIUS	36.0000	IN	1
106N	TRUE CRATER VOLUME	174600.	CU-IN	1	107N	EARTH CRATER VOLUME	174300.	CU-IN	1
108N	PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	9.00000	IN	12
111N	FALL-BACK VOLUME	173800.	CU-IN	57	225A	CRATER TYPE (WES)	CAMD-HEAVE		14

RECORD NO. 35 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	173800.	CU-IN	60
114N	- V EARTH REMOVED (P)	-171400E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1-00000		51
116N	- NO. SLABS REPL (SP)	2-00000		52	117N	- NO. SLABS REPL (P)	3-00000		53
118N	- PAV REPAIR AREA (E)	41180.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	463.400	CU-IN	65
122N	- V EARTH REPL (SP)	174300.	CU-IN	66	123N	- V EARTH REPL (P)	171500E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	36000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	71970.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 03 JUN 1971, BY THE AFWL-SLAB LONG/LANE 88/7, STATION 19621, 81 FEET FROM THE LEFT EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST SITE CREATION DATE LAST DATE COMMENTS
 NO. NO. NO. DATE UPDATED
 36 2 HAYS H14 05.28.75 09.17.75 15 LB. C4, 90 IN. DOB, 11.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	90.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IN. POS. FR LONG EDG	75.0000	IN	2	11N	- IN. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	86PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	11.0000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAV. DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDT4	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	15.0760		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RJBLE VOL (EJECTA)	141.400	CU-IN	58	101N	- APPARENT CTR DEPTH	6.00000	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	141.400	CU-IN	55
104N	- TRUE CRATER DEPTH	121.000	IN	1	105N	- TRUE CRATER RADIUS	39.0000	IN	1
106N	- TRUE CRATER VOLUME	242200.	CU-IN	1	107N	- FARTH CRATER VOLUME	241900.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	9.50000	IN	12
111N	- FALL-RACK VOLUME	242100.	CU-IN	57	225A	- CRATER TYPE (MFS)	CAMD-HEAVE		14

RECORD NO. 36 UNIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	158.600	CU-IN	59	113N	- V EARTH REMOVED (SP)	242100.	CU-IN	60
114N	- V EARTH REMOVED (P)	-165700E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1-00000		51
116N	- NO. SLABS REFL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	396000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0		62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	-0		65
122N	- V EARTH REPL (SP)	241900.	CU-IN	66	123N	- V EARTH REPL (P)	-165700E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	36000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	71970.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	SQ-IN	56					
*** REPAIR DATA ***									
226A	- DATA SOURCE	AFWL TR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					
*** EXTRA INFORMATION ***									

TEST PERFORMED AT HAYS, KANSAS ON 03 JUN 1971, BY THE AFWL-
 SLAB LONG/LANE 97/7, STATION 19682, 81 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE DATE UPDATED
 37 2 HAYS HIS 05.28.75 09.17.75 15 LB. C4, 90 IN. NOR, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	90.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IN. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLEMMENT	HAND		10
213A	- FUZING	8KPC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.592000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (RY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (RY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	GMCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	15.4100		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	141.400	CU-IN	58	101N	- APPARENT CTR DEPTH	6.00000	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	141.400	CU-IN	55
104N	- TRUE CRATER DEPTH	124.000	IN	1	105N	- TRUE CRATER RADIUS	33.0000	IN	1
106N	- TRUE CRATER VOLUME	151100.	CU-IN	1	107N	- EARTH CRATER VOLUME	150800.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	5.00000	IN	12
111N	- FALL-BACK VOLUME	151000.	CU-IN	57	225A	- CRATER TYPE (MES)	CAMD-HEAVE		14

RECORD NO. 37 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	158.600	CU-IN	59	113N	- V EARTH REMOVED (SP)	151.000.	CU-IN	60
114N	- V EARTH REMOVED (P)	.163900E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	37730.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	150800.	CU-IN	66	123N	- V EARTH REPL (P)	.163900E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	24000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	71960.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	SQ-IN	56					
226A	- DATA SOURCE	AFWLYR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 03 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 94/ 7, STATION 20618, 81 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 38
 REV. NO. 2
 TEST SITE HAYS
 TEST NO. H16
 CREATION DATE 05.28.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 15 LB. C4, 110 IN. D09, 10.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.573000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	110.000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	8&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	10.0000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LA/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	14.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
96N	- CRATER ASPECT RATIO	17.9100		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	.0	CU-IN	58	101N	- APPARENT CTR DEPTH	.0	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	.0	CU-IN	55
104N	- TRUE CRATER DEPTH	145.000	IN	1	105N	- TRUE CRATER RADIUS	29.0000	IN	1
106N	- TRUE CRATER VOLUME	107600.	CU-IN	1	107N	- FARTH CRATER VOLUME	107300.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	7.50000	IN	12
111N	- FALL-BACK VOLUME	107600.	CU-IN	57	225A	- CRATER TYPE (MES)	CAMD-HFAVE		14

RECORD NO. 38 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	300.000	CU-IN	59	113N	- V EARTH REMOVED (SP)	107600.	CU-IN	60
114N	- V EARTH REMOVED (P)	-219300E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	30.0000	SO-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SO-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	107300.	CU-IN	66	123N	- V EARTH REPL (P)	.219300E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	36000.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	35970.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	71970.0	SO-IN	56					
226A	- DATA SOURCE	AFWLR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 04 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 95/ 7, STATION 20662, 81 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
NO. NO. SITE NO. NO. DATE UPDATED

39 2 HAYS HI7 05-28-75 09-17-75 15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10					
8N	- DEPTH OF BURST	110.000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10					
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2					
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPACEMENT	HAND		10					
213A	- FUZING	B&PC		10	*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10					
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13					
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13					
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10					
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10					
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10					
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10					
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***														
220A	- BASE TYPE	NONE		10	*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16					
68N	- SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.680000		19					
71N	- SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10					
223A	- SUBBASE SOIL CLASS	CL		16	*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16					
88N	- SOIL MOISTURE (RY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19					
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***														
98N	- CRATER ASPECT RATIO	17.5300		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29					
100N	- RUBBLE VOL (EJECTA)	.0	CU-IN	58	101N	- APPARENT CTR DEPTH	.0	IN	2					
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	.0	CU-IN	55					
104N	- TRUE CRATER DEPTH	142.000	IN	1	105N	- TRUE CRATER RADIUS	35.0000	IN	1					
106N	- TRUE CRATER VOLUME	133900.	CU-IN	1	107N	- EARTH CRATER VOLUME	133700.	CU-IN	1					
108N	- PAVEMENT CTR VOLUME	200.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	4.00000	IN	12					
111N	- FALL-RACK VOLUME	133900.	CU-IN	57	225A	- CRATER TYPE (MES)	CAMO-HEAVE		14					

RECORD NO. 39 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	200.000	CU-IN	59	113N	- V EARTH REMOVED (SP)	133900.	CU-IN	60
114N	- V EARTH REMOVED (P)	.243600E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	23.5300	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	360000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	CU-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	133700.	CU-IN	66	123N	- V EARTH REPL (P)	.243600E+07	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	CU-IN	4	125N	- PAV REMOVAL AREA (SP)	35980.0	CU-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	CU-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 07 JUN 1971, BY THE AFWL.
SLAB LONG/LANE 100/8, STATION 21662, 94 FEET FROM THE LEFT
EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS

NO. NO. SITE NO. DATE DATE UPDATED
 40 2 HAYS H18 05.28.75 09.17.75 15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MM)	1.67000		10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	110.000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLACEMENT	HAND		10
213A	- FUZING	BCPC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.50000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.654000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	24.1500	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.705000E-01	LB/CU-IN	15
88N	- SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.720000		19
91N	- SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	17.5300		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	452.400	CU-IN	58	101N	- APPARENT CTR DEPTH	17.0000	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	452.400	CU-IN	55
104N	- TRUE CRATER DEPTH	142.000	IN	1	105N	- TRUE CRATER RADIUS	36.0000	IN	1
106N	- TRUE CRATER VOLUME	157900.	CU-IN	1	107N	- EARTH CRATER VOLUME	157700.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	200.000	CU-IN	1	110N	- MAX OPHEAVAL HEIGHT	3.50000	IN	12
111N	- FALL-BACK VOLUME	157400.	CU-IN	57	225A	- CRATER TYPE (WES)	CAMO-HEAVE		14

RECORD NO. 40 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	157400.	CU-IN	60
114N	- V EARTH REMOVED (P)	-2341.00E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (F)	23.5300	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	252.400	CU-IN	65
122N	- V EARTH REPL (SP)	157700.	CU-IN	66	123N	- V EARTH REPL (P)	-234100E+07	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	35980.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 07 JUN 1971, BY THE AFML -
 SLAB LONG/LANE 103/ B, STATION 22621, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 41 3 HAYS TEST SITE H19 05.28.75 09.17.75 15 LB. C4, 30 IN. DOR, 10.0 IN PAVEMENT

TEST NO. 159 DATE 05.28.75 DATE LAST UPDATED 09.17.75 COMMENTS

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
*** WEAPON DATA ***											
IN	-	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	-	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	-	DEVICE WEIGHT	15.0000	LBS	10
8N	-	DEPTH OF BURST	30.0000	IN	1	9N	-	IMPACT OBLIQUITY	.0	DEGREES	10
10N	-	IM. POS. FR LONG FOG	75.0000	IN	2	11N	-	IM. POS. FR SHRT EDG	120.000	IN	2
12N	-	IMPACT VELOCITY	.0	FT/SEC	10	13N	-	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	-	EXPLOSIVE NAME	COMP C4		10	212A	-	EMPLACEMENT	HAND		10
213A	-	FUZZING	BEPC		10						
*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	10.0000	IN	1	22N	-	SLAB ARFA	36000.0	SQ-IN	10
23N	-	SLAB ASPECT RATIO	.625000		10	24N	-	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	-	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	-	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	-	PENT. HOLE DIAMETER	6.00000	IN	10	31N	-	REBAR DENSITY	.0	IN/SQ-IN	10
38N	-	TEST AREA LENGTH	5600.00	FEET	10	39N	-	TEST AREA WIDTH	150.000	FEET	10
214A	-	PAVEMENT TYPE	PCC		10	215A	-	REINFORCEMENT	NONE		10
217A	-	AGE	OLD		10	218A	-	OVERLAYMENT	NONE		10
201A	-	PAV CONSTRUCTION	POURED		10	202A	-	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***											
220A	-	BASE TYPE	NONE		10						
*** SUBBASE DATA ***											
61N	-	SUB. THICKNESS	60.0000	IN	10	62N	-	SUB. DENSITY	.666000E-01	LB/CU-IN	16
68N	-	SUB. MOISTURE (BY V)	23.7000	% WATER	17	69N	-	SUB. DISTENTION	.690000		19
71N	-	SUB. SOLID DENSITY	.972000E-01	LB/CU-IN	19	222A	-	SURBASE TYPE	ORG CLAY		10
223A	-	SURBASE SOIL CLASS	CH		16						
*** SOIL DATA ***											
81N	-	SOIL THICKNESS	144.000	IN	10	82N	-	SOIL DENSITY	.648000E-01	LB/CU-IN	16
88N	-	SOIL MOISTURE (BY V)	27.8000	% WATER	17	89N	-	SOIL DISTENTION	.670000		19
91N	-	SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	224A	-	SOIL CLASSIFICATION	CH		16
*** CRATER DATA ***											
98N	-	CRATER ASPECT RATIO	1.09000		29	99N	-	SURFACE CTR RADIUS	66.0000	IN	29
100N	-	RUBBLE VOL (EJECTA)	275700.	CU-IN	58	101N	-	APPARENT CTR DEPTH	40.0000	IN	2
102N	-	APPARENT CTR RADIUS	75.0000	IN	2	103N	-	APPARENT CTR VOLUME	275700.	CU-IN	69
104N	-	TRUE CRATER DEPTH	72.0000	IN	1	105N	-	TRUE CRATER RADIUS	75.0000	IN	1
106N	-	TRUE CRATER VOLUME	373800.	CU-IN	1	107N	-	EARTH CRATER VOLUME	197100.	CU-IN	1
108N	-	PAVEMENT CTR VOLUME	176700.	CU-IN	1	110N	-	MAX UPHEAVAL HEIGHT	3.00000	IN	12
111N	-	FALL-BACK VOLUME	98100.0	CU-IN	57	225A	-	CRATER TYPE (MFS)	STANDARD		14

RECORD NO. 41 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	98100.0	CU-IN	60
114N	- V EARTH REMOVED (P)	426900.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	37150.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	99000.0	CU-IN	65
122N	- V EARTH REPL (SP)	197100.	CU-IN	66	123N	- V EARTH REPL (P)	702700.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	.0	CU-IN	4	125N	- PAV REMOVAL AREA (SP)	54330.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	90330.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN
 SQ-IN

*** EXTRA INFORMATION ***
 99
 10

TEST PERFORMED AT HAYS, KANSAS ON 20 4AY 1971. BY THE AFML.
 SLAB LONG/LANE 283/ 6, STATION 536.01, 69 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST TEST CREAT(IN DATE LAST
 NO. NO. SITE DATE UPDATED

 42 4 HAYS H20 05.28.75 09.17.75 15 LB. C4, 50 IN. DOR, 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	- LENGTH/DIAMETER (MM)	1.67000		10	5N	- DEVICE WEIGHT	15.0000	LBS	10					
8N	- DEPTH OF BURST	50.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10					
10N	- IM. POS. FR LONG FDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2					
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10					
213A	- FUJING	BCPC		10	*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10					
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13					
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13					
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10					
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10					
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10					
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10					
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***														
220A	- BASE TYPE	NONE		10	62N	- SUB. DENSITY	.657000E-01	LB/CU-IN	16					
*** SUBBASE DATA ***														
61N	- SUB. THICKNESS	60.0000	IN	10	69N	- SUB. DISTENTION	.680000		19					
68N	- SUB. MOISTURE (BY V)	22.8000	% WATER	17	222A	- SUBBASE TYPE	ORG CLAY		10					
71N	- SUB. SOLID DENSITY	.960000E-01	LB/CU-IN	19	*** SOIL DATA ***									
223A	- SUBBASE SOIL CLASS	CHCL		16	82N	- SOIL DENSITY	.661000E-01	LB/CU-IN	16					
81N	- SOIL THICKNESS	144.000	IN	10	89N	- SOIL DISTENTION	.690000		19					
98N	- SOIL MOISTURE (BY V)	25.1700	% WATER	17	224A	- SOIL CLASSIFICATION	CH		16					
91N	- SOIL SOLID DENSITY	.954000E-01	LB/CU-IN	19	*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	.850000		29	99N	- SURFACE CTR RADIUS	80.0000	IN	29					
100N	- RUBBLE VOL (EJECTA)	256500.	CU-IN	58	101N	- APPARENT CTR DEPTH	36.0000	IN	2					
102N	- APPARENT CTR RADIUS	83.0000	IN	2	103N	- APPARENT CTR VOLUME	256500.	CU-IN	69					
104N	- TRUE CRATER DEPTH	69.0000	IN	1	105N	- TRUE CRATER RADIUS	83.0000	IN	1					
106N	- TRUE CRATER VOLUME	400600.	CU-IN	1	107N	- EARTH CRATER VOLUME	229500.	CU-IN	1					
108N	- PAVEMENT CTR VOLUME	171100.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	1.00000	IN	12					
111N	- FALL-BACK VOLUME	144100.	CU-IN	57	225A	- CRATER TYPE (WES)	STANDARD		14					

RECORD NO. 42 EDIT NO. 23 CONTINUED.

REF ---

UNITS ---

VALUE ---

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	0			113N	- V EARTH REMOVED (SP)	144100.	CU-IN	60
114N	- V EARTH REMOVED (P)	652900.			115N	- NO. SLABS REPL (F)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000			117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	36000.0			119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0			121N	- V EARTH REPL (E)	85400.0	CU-IN	65
122N	- V EARTH REPL (SP)	229500.			123N	- V EARTH REPL (P)	909400.	CU-IN	67
124N	- PAV REMOVAL AREA (F)	0			125N	- PAV REMOVAL AREA (SP)	50610.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	50610.0							
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 20 MAY 1971, BY THE AFWL-
 SLAB LONG/LANE 252/ 8, STATION 52&60, 94 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

REC'D REV. TEST TEST CREAT DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATE
 43 2 HAYS H23 05-28-75 09-17-75 15 LB. C4, 10 IN. DOB, 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	10.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLACEMENT	HAND		10
213A	- FUZING	8&PC		10					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- FEBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	- BASE TYPE	NONE		10					
*** BASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (RY V)	23.4600	% WATER	17	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.968000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CH		16					
*** SUBBASE DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.672000E-01	LB/CU-IN	15
88N	- SOIL MOISTURE (RY V)	20.9800	% WATER	17	89N	- SOIL DISTENTION	.700000		19
91N	- SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** SOIL DATA ***									
98N	- CRATER ASPECT RATIO	.930000		29	99N	- SURFACE CTR RADIUS	61.0000	IN	29
100N	- RUBBLE VOL (EJECTA)	149800.	CU-IN	58	101N	- APPARENT CTR DEPTH	23.0000	IN	2
102N	- APPARENT CTR RADIUS	63.0000	IN	2	103N	- APPARENT CTR VOLUME	149800.	CU-IN	55
104N	- TRUF CRATER DEPTH	55.0000	IN	1	105N	- TRUE CRATER RADIUS	63.0000	IN	1
106N	- TRUF CRATER VOLUME	185800.	CU-IN	1	107N	- EARTH CRATER VOLUME	86000.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	99800.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	- FALL-RACK VOLUME	36040.0	CU-IN	57	225A	- CRATER TYPE (MES)	BLOW-OUT		14
*** CRATER DATA ***									

RECORD NO. 43 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	36040.0	CU-IN	60
114N	- V EARTH REMOVED (P)	347000.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000	CU-IN	52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	14200.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SO-IN	63	121N	- V EARTH REPL (E)	49960.0	CU-IN	65
122N	- V EARTH REPL (SP)	86000.0	CU-IN	66	123N	- V EARTH REPL (P)	496800.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	23530.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	95530.0	SO-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SO-IN
 SO-IN
 CU-IN
 SO-IN
 SO-IN

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 08 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 80/ 9, STATION 17682, 106 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 3 TEST SITE HAYS H24 CREATION DATE 05.28.75 DATE LAST UPDATED 09.17.75 COMMENTS 15 LB. C4, 10 IN. DDB, 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
44	3 HAYS								
	IN - EXPLOSIVE WEIGHT	15.0000	LBS	1	2N - EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98	
	4N - LENGTH/DIAMETER (MH)	1.67000		10	5N - DEVICE WEIGHT	15.0000	LBS	10	
	8N - DEPTH OF BURST	10.0000	IN	1	9N - IMPACT OBLIQUITY	.0	DEGREES	10	
	10N - IM. POS. FR LONG EDG	75.0000	IN	2	11N - IM. POS. FR SHRT EDG	120.000	IN	2	
	12N - IMPACT VELOCITY	.0	FT/SEC	10	13N - TNT EQUIVALENT EXPL.	16.3800	LBS	98	
	211A - EXPLOSIVE NAME	COMP C4		10	212A - EMPACEMENT	HAND		10	
	213A - FUZING	BEPC		10					
	21N - PAVEMENT THICKNESS	8.00000	IN	1	22N - SLAB AREA	360.00.0	SQ-IN	10	
	23N - SLAB ASPECT RATIO	.625000		10	24N - PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13	
	25N - PAV. COMP. STRENGTH	10022.0	PST	13	26N - PAV. COMP. MODULUS	.590000E+07	PSI	13	
	30N - PENT. HOLE DIAMETER	6.00000	IN	10	31N - REBAR DENSITY	.0	IN/SQ-IN	10	
	38N - TEST AREA LENGTH	5600.00	FEET	10	39N - TEST AREA WIDTH	150.000	FEET	10	
	214A - PAVEMENT TYPE	PCC		10	215A - REINFORCEMENT	NONE		10	
	217A - AGE	OLD		10	218A - OVERLAYMENT	NONE		10	
	201A - PAV CONSTRUCTION	POURED		10	202A - PAVEMENT DESIGN	SLABS		10	
	220A - BASE TYPE	NONE		10					
	61N - SUB. THICKNESS	60.0000	IN	10	62N - SUB. DENSITY	.658000E-01	LB/CU-IN	16	
	68N - SUB. MOISTURE (BY V)	23.4600	% WATER	17	69N - SUB. DISTENTION	.680000		19	
	71N - SUB. SOLID DENSITY	.968000E-01	LB/CU-IN	19	222A - SUBBASE TYPE	ORG CLAY		10	
	223A - SUBBASE SOIL CLASS	CH		16					
	81N - SOIL THICKNESS	144.000	IN	10	82N - SOIL DENSITY	.672000E-01	LB/CU-IN	16	
	88N - SOIL MOISTURE (BY V)	20.9800	% WATER	17	89N - SOIL DISTENTION	.700000		19	
	91N - SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	224A - SOIL CLASSIFICATION	CHCL		16	
	98N - CRATER ASPECT RATIO	.810000		29	99N - SURFACE CTR RADIUS	68.0000	IN	29	
	100N - RUBBLE VOL (EJECTA)	236100.	CU-IN	58	101N - APPARENT CTR DEPTH	32.0000	IN	2	
	102N - APPARENT CTR RADIUS	66.0000	IN	2	103N - APPARENT CTR VOLUME	236100.	CU-IN	55	
	104N - TRUE CRATER DEPTH	55.0000	IN	1	105N - TRUE CRATER RADIUS	66.0000	IN	1	
	106N - TRUE CRATER VOLUME	238600.	CU-IN	1	107N - EARTH CRATER VOLUME	129100.	CU-IN	1	
	108N - PAVEMENT CTR VOLUME	109500.	CU-IN	1	110N - MAX UPHEAVAL HEIGHT	1.50000	IN	12	
	111N - FALL-BACK VOLUME	2486.00	CU-IN	57	225A - CRATER TYPE (WFS)	BLOW-OUT		14	

RECORD NO. 44 FDIIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	RFF	KFY	TYPE - NAME	VALUE	UNITS	RFF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	2486.00	CU-IN	60
114N	- V EARTH REMOVED (P)	267400.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	14410.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SQ-IN	63	121N	- V EARTH REPL (E)	126600.	CU-IN	65
122N	- V EARTH REPL (SP)	129100.	CU-IN	66	123N	- V EARTH REPL (P)	503600.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	22310.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	58310.0	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFWL TR 7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 08 JUN 1971, BY THE AFWL.
 SLAB LONG/LANE 85/10, STATION 1888Z, 119 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 45 5 HAYS H25 05.28.75 09.17.75 15 LB. C4, 30 IN. OOB, 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
	IN - EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
	4N - LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
	8N - DEPTH OF BURST	30.0000	IN	1	9N	IMPACT OBLIQUITY	-0	DEGREES	10
	10N - IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
	12N - IMPACT VELOCITY	-0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
	211A - EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
	213A - FUZING	B&PC		10					

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** PAVEMENT DATA ***							
	21N - PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
	23N - SLAB ASPECT RATIO	.625000		10	24N	PAV. DENSITY	.853000E-01	LB/CU-IN	13
	25N - PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
	30N - PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	-0	IN/SQ-IN	10
	38N - TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
	214A - PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
	217A - AGE	OLD		10	218A	OVERLAYMENT	NONE		10
	201A - PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** BASE DATA ***							
	220A - BASE TYPE	NONE		10	62N	SUB. DENSITY	.658000E-01	LB/CU-IN	16
		*** SUBBASE DATA ***							
	61N - SUB. THICKNESS	60.0000	IN	10	69N	SUB. DISTENTION	.680000		19
	68N - SUB. MOISTURE (BY V)	23.4600	% WATER	17	222A	SUBBASE TYPE	DRG CLAY		10
	71N - SUB. SOLID DENSITY	.968000E-01	LB/CU-IN	19					
	223A - SURBASE SOIL CLASS	CH		16					

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** SOIL DATA ***							
	81N - SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.672000E-01	LB/CU-IN	16
	88N - SOIL MOISTURE (BY V)	20.9800	% WATER	17	89N	SOIL DISTENTION	.700000		19
	91N - SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16
		*** CRATER DATA ***							
	98N - CRATER ASPECT RATIO	1.01000		29	99N	SURFACE CTR RADIUS	71.0000	IN	29
	100N - RUBBLE VOL (EJECTA)	296400.	CU-IN	58	101N	APPARENT CTR DEPTH	49.0000	IN	2
	102N - APPARENT CTR RADIUS	75.0000	IN	2	103N	APPARENT CTR VOLUME	296400.	CU-IN	69
	104N - TRUE CRATER DEPTH	73.0000	IN	1	105N	TRUE CRATER RADIUS	75.0000	IN	1
	106N - TRUE CRATER VOLUME	407600.	CU-IN	1	107N	EARTH CRATER VOLUME	266200.	CU-IN	1
	108N - PAVEMENT CTR VOLUME	141400.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	4.00000	IN	12
	111N - FALL-BACK VOLUME	111200.	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 45 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	111200.	CU-IN	60
114N	- V EARTH REMOVED (P)	533600.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	38160.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180000.	SQ-IN	63	121N	- V EARTH REPL (E)	15500.0	CU-IN	65
122N	- V EARTH REPL (SP)	26620.0	CU-IN	66	123N	- V EARTH REPL (P)	829900.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	54330.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	162300.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 08 JUN 1971, BY THE AFWL.
 SLAB LONG/LANE 82/10, STATION 18E22, 119 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 46
 REV. NO. 2
 TEST SITE H26
 CREATION DATE 05.28.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 15 LB. C4, 7.0 IN. D09, 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEVICE HEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	70.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	23.4600	% WATER	17	69N	SUB. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.968000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CH		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.672000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	20.9800	% WATER	17	89N	SOIL DISTENTION	.700000		19
91N	SOIL SOLID DENSITY	.968000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16
98N	CRATER ASPECT RATIO	1.26000		29	99N	SURFACE CTR RADIUS	80.0000	IN	29
100N	RJBLE VOL (EJECTA)	37590.0	CU-IN	58	101N	APPARENT CTR DEPTH	33.0000	IN	2
102N	APPARENT CTR RADIUS	83.0000	IN	2	103N	APPARENT CTR VOLUME	375900.	CU-IN	55
104N	TRUE CRATER DEPTH	103.000	IN	1	105N	TRUE CRATER RADIUS	83.0000	IN	1
106N	TRUE CRATER VOLUME	759000.	CU-IN	1	107N	FARTH CRATER VOLUME	585900.	CU-IN	1
108N	PAVEMENT CTR VOLUME	173100.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	6.00000	IN	12
111N	FALL-BACK VOLUME	383100.	CU-IN	57	225A	CRATER TYPE (WES)	CAMD-SPALL		14

RECORD NO. 46 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	383100.	CU-IN	60
114N	- V EARTH REMOVED (P)	746700.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180000.	SQ-IN	63	121N	- V EARTH REPL (E)	202800.	CU-IN	65
122N	- V EARTH REPL (SP)	585900.	CU-IN	66	123N	- V EARTH REPL (P)	.112300E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	3600.00	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	14360.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	158400.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFMLTR7261
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 09 JUN 1971, BY THE AFML-
 SLAB LONG/LANE 87/10, STATION 19621, 119 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST CREATION DATE DATE LAST UPDATED COMMENTS

47 2 HAYS 05-28-75 09-17-75 15 LB. C4, 90 IN. DOB, 8.25 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	98
4N	- LENGTH/DIAMETER (MM)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	90.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	B&PC		10					10
21N	- PAVEMENT THICKNESS	8.20000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SJB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SJB. MOISTURE (BY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.700000		19
71N	- SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
98N	- CRATER ASPECT RATIO	15.5200		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RURBLE VOL (EJECTA)	480.700	CU-IN	58	101N	- APPARENT CTR DEPTH	18.0000	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	480.700	CU-IN	55
104N	- TRUE CRATER DEPTH	125.000	IN	1	105N	- TRUE CRATER RADIUS	37.0000	IN	1
106N	- TRUF CRATER VOLUME	192900.	CU-IN	1	107N	- EARTH CRATER VOLUME	192700.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	200.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	7.50000	IN	12
111N	- FALL-BACK VOLUME	192400.	CU-IN	57	225A	- CRATER TYPE (MFS)	CAMD-HFAVE		14

RECORD NO. 47 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	0	CU-IN	59	113N	- V EARTH REMOVED (SP)	192400.	CU-IN	60
114N	- V EARTH REMOVED (P)	.189000E+07	CU-IN	64	115N	- NO. SLABS REPL (F)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	280.700	CU-IN	65
122N	- V EARTH REPL (SP)	192700.	CU-IN	66	123N	- V EARTH REPL (P)	.189000E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	24000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	35980.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 08 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 94/10, STATION 20664, 119 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE DATE UPDATED
 48 3 HAYS H28 05.28.75 09.17.75 15 LB. C4, 90 IN. DOB, 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	90.0000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG FDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMBLACEMENT	HAND		10
213A	- FUZING	BEPC		10					
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PST	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.700000		19
71N	- SUB. SOLID DENSITY	.970000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	DRG CLAY		10
223A	- SUBBASE SOIL CLASS	CL		16					
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (RY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
98N	- CRATER ASPECT RATIO	16.6000		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	480.700	CU-IN	58	101N	- APPARENT CTR DEPTH	18.0000	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	480.700	CU-IN	55
104N	- TRUE CRATER DEPTH	129.000	IN	1	105N	- TRUE CRATER RADIUS	38.0000	IN	1
106N	- TRUE CRATER VOLUME	185600.	CU-IN	1	107N	- EARTH CRATER VOLUME	185400.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	200.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	7.50000	IN	12
111N	- FALL-BACK VOLUME	185100.	CU-IN	57	225A	- CRATER TYPE (WFS)	CAMD-HEAVE		14

RECORD NO. 48 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	0	CU-IN	59	113N	- V EARTH REMOVED (SP)	185100.	CU-IN	60
114N	- V EARTH REMOVED (P)	180800E+07	CU-IN	54	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	36000.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	280.700	CU-IN	65
122N	- V EARTH REPL (SP)	185400.	CU-IN	66	123N	- V EARTH REPL (P)	.180800E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	36000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	35980.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	107800.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 59
 CU-IN
 54
 CU-IN
 52
 61
 SQ-IN
 63
 SQ-IN
 66
 CU-IN
 4
 SQ-IN
 56
 SQ-IN

*** EXTRA INFORMATION ***
 99
 10

TEST PERFORMED AT HAYS, KANSAS ON 07 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 98/10, STATION 21639, 119 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO. 49 REV. NO. 3 TEST SITE H29 TEST NO. 3 HAYS

CREATION DATE 05-28-75 DATE LAST UPDATED 09-17-75

COMMENTS 15 LB. C4, 110 IN. DOB, 8.50 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10					
8N	DEPTH OF BURST	110.000	IN	1	9N	IMPACT ORLQUITY	.0	DEGREES	10					
10N	IM. PGS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2					
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10					
213A	FUZZING	B&PC		10										
*** PAVEMENT DATA ***														
21N	PAVEMENT THICKNESS	8.50000	IN	1	22N	SLAP AREA	36000.0	SQ-IN	10					
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13					
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13					
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10					
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10					
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10					
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10					
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***														
220A	BASE TYPE	NONE		10										
*** SUBBASE DATA ***														
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.658000E-01	LB/CU-IN	16					
68N	SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	SUR. DISTENTION	.700000		19					
71N	SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10					
223A	SUBBASE SOIL CLASS	CL		16										
*** SOIL DATA ***														
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.683000E-01	LB/CU-IN	16					
88N	SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	SOIL DISTENTION	.730000		19					
91N	SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***														
98N	CRATER ASPECT RATIO	17.2800		29	99N	SURFACE CTR RADIUS	8.00000	IN	29					
100N	RUBBLE VOL (FJECTA)	311.000	CU-IN	58	101N	APPARENT CTR DEPTH	12.0000	IN	2					
102N	APPARENT CTR RADIUS	3.00000	IN	2	103N	APPARENT CTR VOLUME	311.000	CU-IN	55					
104N	TRUE CRATER DEPTH	137.000	IN	1	105N	TRUE CRATER RADIUS	34.0000	IN	1					
106N	TRUE CRATER VOLUME	149500.	CU-IN	1	107N	FARTH CRATER VOLUME	149300.	CU-IN	1					
108N	PAVEMENT CTR VOLUME	200.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	5.00000	IN	12					
111N	FALL-BACK VOLUME	149200.	CU-IN	57	225A	CRATER TYPE (WES)	CAMD-HEAVE		14					

RECORD NO. 49 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	0	CU-IN	59	113N	- V EARTH REMOVED (SP)	149200.	CU-IN	60
114N	- V EARTH REMOVED (P)	210200E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	0		51
116N	- NO. SLABS REPL (SP)	200000	CU-IN	52	117N	- NO. SLABS REPL (P)	300000		33
118N	- PAV REPAIR AREA (E)	235300	CU-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	108000.	CU-IN	63	121N	- V EARTH REPL (E)	111000	CU-IN	65
122N	- V EARTH REPL (SP)	149300.	CU-IN	66	123N	- V EARTH REPL (P)	210200E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	36000.0	CU-IN	4	125N	- PAV REMOVAL AREA (SP)	71980.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	108000.	CU-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 59
 CU-IN
 64
 CU-IN
 52
 CU-IN
 61
 SQ-IN
 63
 SQ-IN
 66
 CU-IN
 4
 SQ-IN
 56
 SQ-IN

*** EXTRA INFORMATION ***
 99
 AFMLTR7261
 10
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 07 JUN 1971, BY THE AFWL.
 SLAB LONG/LANE 100/10. STATION 21&82, 119 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
50	3	HAYS	H1A	05.28.75	09.17.75	15 LB. C4, 110 IN. DOB, 11.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
8N	- DEPTH OF BURST	110.000	IN	1	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
10N	- IM. POS. FR LONG EDG	75.0000	IN	2	11N	- IM. POS. FR SHRT EDG	120.000	IN	2
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		10	212A	- EMPLACEMENT	HAND		10
213A	- FUZING	R&PC		10					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	11.0000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.658000E-01	LB/CU-IN	16
68N	- SUB. MOISTURE (BY V)	23.6300	% WATER	17	69N	- SUB. DISTENTION	.700000		19
71N	- SUB. SOLID DENSITY	.947000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.683000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2900	% WATER	17	89N	- SOIL DISTENTION	.730000		19
91N	- SOIL SOLID DENSITY	.933000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	17.0200		29	99N	- SURFACE CTR RADIUS	8.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	226.200	CU-IN	58	101N	- APPARENT CTR DEPTH	9.00000	IN	2
102N	- APPARENT CTR RADIUS	3.00000	IN	2	103N	- APPARENT CTR VOLUME	226.200	CU-IN	55
104N	- TRUE CRATER DEPTH	137.000	IN	1	105N	- TRUE CRATER RADIUS	36.0000	IN	1
106N	- TRUE CRATER VOLUME	188600.	CU-IN	1	107N	- EARTH CRATER VOLUME	188300.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	4.00000	IN	12
111N	- FALL-RACK VOLUME	188400.	CU-IN	57	225A	- CRATER TYPE (WFS)	CAMD-HEAVE		14

RECORD NO. 50 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	73.8100	CU-IN	59	113N	- V EARTH REMOVED (SP)	188400.	CU-IN	60
114N	- V EARTH REMOVED (P)	.227300E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.000000		52	117N	- NO. SLABS REPL (P)	2.000000		53
118N	- PAV REPAIR AREA (E)	1467.00	SO-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	72000.0	SO-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	188300.	CU-IN	66	123N	- V EARTH REPL (P)	.227400E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	35970.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	71970.0	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 73.8100 CU-IN 59
 .227300E+07 CU-IN 64
 1.000000 52
 1467.00 SO-IN 61
 72000.0 SO-IN 63
 188300. CU-IN 66
 .0 SO-IN 4
 71970.0 SO-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 09 JUN 1971, BY THE AFML.
 SLAB LONG/LANE 97/ 7, STATION 21& 2, 81 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE DATE DATE UPDATED

51 3 HAYS 05.28.75 09.17.75 15 LB. C4, 50 IN. DOB, 10.5 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
8N	DEPTH OF BURST	50.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	B&PC		10					
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	10.5000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	PERAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SJB. THICKNESS	60.0000	IN	10	62N	SUR. DENSITY	.654000E-01	LB/CU-IN	16
68N	SJB. MOISTURE (BY V)	24.1500	% WATER	17	69N	SUR. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	SURBASE TYPE	DRG CLAY		10
223A	SURBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	SOIL DISTENT IDN	.720000		19
91N	SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.10000		29	99N	SURFAC CTR RADIUS	76.0000	IN	29
100N	RUBBLE VOL (EJECTA)	254600.	CU-IN	58	101N	APPARENT CTR DEPTH	74.0000	IN	2
102N	APPARENT CTR RADIUS	81.0000	IN	2	103N	APPARENT CTR VOLUME	254600.	CU-IN	55
104N	TRUE CRATER DEPTH	87.0000	IN	1	105N	TRUE CRATER RADIUS	81.0000	CU-IN	1
106N	TRUE CRATER VOLUME	647300.	CU-IN	1	107N	EARTH CRATER VOLUME	430800.	CU-IN	1
108N	PAVEMENT CTR VOLUME	216400.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	392700.	CU-IN	57	225A	CRATER TYPE (WFS)	STANDARD		14

RECORD NO. 51 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	392700.	CU-IN	60
114N	- V EARTH REMOVED (P)	793200.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (E)	39740.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	36000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	38180.0	CU-IN	65
122N	- V EARTH REPL (SP)	430800.	CU-IN	66	123N	- V EARTH REPL (P)	.104800E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	15390.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	87390.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLR7261		99	227A	- FST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 09 JUN 1971, BY THE AFWL.
 SLAB LONG/LANE 105/ 7, STATION 22660, 81 FEET FROM THE LEFT
 EDGE OF THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE NO. DATE UPDATED

 52 2 HAYS M3A 05.28.75 09.17.75 15 LB. C4, 70 IN. DDB, 11.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LB	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LB	10
8N	DEPTH OF BURST	70.0000	IN	1	9N	IMPACT OBLIQUITY	.0	DEGREES	10
10N	IM. POS. FR LONG EDG	75.0000	IN	2	11N	IM. POS. FR SHRT EDG	120.000	IN	2
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		10	212A	EMPLACEMENT	HAND		10
213A	FUZZING	86PC		10					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	11.0000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAV. DENSITY	.853000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.654000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (RY V)	24.1500	% WATER	17	69N	SUR. DISTENTION	.680000		19
71N	SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	ORG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (RY V)	18.2800	% WATER	17	89N	SOIL DISTENTION	.720000		19
91N	SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	274A	SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	12.6800		29	99N	SURFACE CTR RADIUS	8.00000	IN	29
100N	RURBLE VOL (EJECTA)	.0	CU-IN	58	101N	APPARENT CTR DEPTH	.0	IN	2
102N	APPARENT CTR RADIUS	3.00000	IN	2	103N	APPARENT CTR VOLUME	.0	CU-IN	55
104N	TRUE CRATER DEPTH	108.000	IN	1	105N	TRUE CRATER RADIUS	34.0000	IN	1
106N	TRUE CRATER VOLUME	186300.	CU-IN	1	107N	EARTH CRATER VOLUME	186000.	CU-IN	1
108N	PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	7.50000	IN	12
111N	FALL-BACK VOLUME	186300.	CU-IN	57	225A	CRATER TYPE (WES)	CAMO-HEAVE		14

RECORD NO. 52 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	300.000	CU-IN	59	113N	- V EARTH REMOVED (SP)	186.300.	CU-IN	60
114N	- V EARTH REMOVED (P)	.123600E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		53
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS R PPL (P)	2.00000		62
118N	- PAV REPAIR AREA (F)	36.000.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	72000.0	SO-IN	65
120N	- PAV REPAIR AREA (P)	72000.0	SO-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	67
122N	- V EARTH REPL (SP)	186000.	CU-IN	66	123N	- V EARTH REPL (P)	.123600E+07	CU-IN	54
124N	- PAV REMOVAL AREA (E)	36000.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	71970.0	SO-IN	
126N	- PAV REMOVAL AREA (P)	71970.0	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 09 JUN 1971, BY THE AFML.
SLAB LONG/LANE 107/ 7, STATION 216 2, 81 FEET FROM THE LEFT
EDGE OF THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. UPDATED
 53 3 HAYS P60 05.28.75 09.17.75 25 LB. C4. 71 IN. 008 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	71.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	75.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING	R+PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	8.00000	IN	10	31N	- RERR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUR. THICKNESS	60.0000	IN	10	62N	- SUB. DENSITY	.654000E-01	LB/CU-IN	16
68N	- SUR. MOISTURE (BY V)	24.1500	% WATER	19	69N	- SUB. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	- SUBBASE TYPE	ORG CLAY		10
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.705000E-01	LB/CU-IN	16
98N	- SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	- SOIL DISTENTION	.720000		19
91N	- SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	1.38000		29	99N	- SURFACE CTR RADIUS	81.2400	IN	29
100N	- RURRE VOL (EJECTA)	217100.	CU-IN	58	101N	- APPARENT CTR DEPTH	18.0000	IN	2
102N	- APPARENT CTR RADIUS	87.0000	IN	2	103N	- APPARENT CTR VOLUME	217100.	CU-IN	55
104N	- TRUE CRATER DEPTH	112.000	IN	1	105N	- TRUE CRATER RADIUS	87.0000	IN	1
106N	- TRUE CRATER VOLUME	541800.	CU-IN	1	107N	- FATH CRATER VOLUME	751700.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	190100.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	4.00000	IN	12
111N	- FALL-RACK VOLUME	724700.	CU-IN	57	225A	- CRATER TYPE (WFS)	STANDARD		14

RECORD NO. 53 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
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112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	724700.	CU-IN	60
114N	- V EARTH REMOVED (P)	-147600E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	47520.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	18000.0	SQ-IN	63	121N	- V EARTH REPL (E)	26960.0	CU-IN	65
122N	- V EARTH REPL (SP)	751700.	CU-IN	66	123N	- V EARTH REPL (P)	.169300E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	84240.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	156200.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99					
228A	- TEST SITE	HAYS		10					
					227A	- EST DATA RELIABILITY	GOOD		99

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 15 JUN 1971, BY THE AFWL-
 SLAB NO. 107/9 STATION 23+21 1.06 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

RECORD NO. 54 REV. NO. 3 TEST SITE H61 CREATION DATE 05-28-75 DATE LAST UPDATED 09-17-75

KEY	TYPE - NAME	VALUE	UNITS	RF	KEY	TYPE - NAME	VALUE	UNITS	RF
1N	EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MM)	1.75000	IN	10	5N	DEPTH OF BURST	71.0000	IN	1
6N	AVG CASE THICKNESS	.0	DEGREES	10	8N	IM. POS. FR LONG EDG	75.0000	FT/SEC	2
9N	IMPACT ORLIQUITY	.0	IN	2	12N	IMPACT VELOCITY	.0	COMP C4	10
11N	IM. POS. FR SHRT EDG	120.000	LBS	98	211A	EXPLOSIVE NAME	B+PC		10
13N	TNT EQUIVALENT EXPL.	27.3000	HAND	10	213A	FUZZING			10
212A	EMPLACEMENT								
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SO-IN	10
23N	SLAB ASPECT RATIO	.625000	PSI	13	24N	PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	IN	10	26N	PAV. COMP. MODULUS	.590000E+07	PSI	10
30N	PENT. HOLE DIAMETER	8.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.654000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	24.1500	% WATER	19	69N	SUB. DISTENTION	.680000	ORG CLAY	19
71N	SUR. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	SURBASE TYPE	CHCL		10
222A	SURBASE SOIL CLASS	CHCL		16					
81N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	SOIL DISTENTION	.720000		19
91N	SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16
98N	CRATER ASPECT RATIO	1.27000	CU-IN	29					
100N	RUBBLE VOL (EJECTA)	166600.	IN	58	99N	SURFACE CTR RADIUS	84.9600	IN	29
102N	APPARENT CTR RADIUS	90.0000	IN	2	101N	APPARENT CTR DEPTH	13.0000	IN	2
104N	TRUE CRATER DEPTH	108.000	IN	1	103N	APPARENT CTR VOLUME	166600.	CU-IN	55
106N	TRUE CRATER VOLUME	.111000E+07	CU-IN	1	105N	TRUE CRATER RADIUS	90.0000	IN	1
107N	PAVEMENT CTR VOLUME	203900.	CU-IN	1	107N	EARTH CRATER VOLUME	905500.	CU-IN	1
109N	FALL-BACK VOLUME	943300.	CU-IN	57	110N	MAX UPHEAVAL HEIGHT	2.00000	IN	12
111N	FALL-BACK VOLUME				225A	CRATER TYPE (MFS)	STANDARD		14

RECORD NO. 54 FDOT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	37340.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	943300.	CU-IN	60
114N	- V EARTH REMOVED (P)	.167300E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	45500.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	144000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V FARTH REPL (SP)	905500.	CU-IN	66	123N	- V EARTH REPL (P)	.184000E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	82510.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	118500.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99					99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

227A - EST DATA RELIABILITY GOOD

TEST PERFORMED AT HAYS, KANSAS ON 15 JUN 1971, BY THE AFML.
 SLAB NO. 110/8 STATION 23+62 94 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 55
 TEST NO. 3
 SITE HAYS
 CREATION DATE 05-28-75
 DATE LAST UPDATED 09-17-75
 COMMENTS 25 LB. C4, 71 IN. DDP 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
4N	EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
6N	LENGTH/DIAMETER (WH)	1.75000	IN	10	5N	DEVICE WEIGHT	25.0000	LBS	10
9N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	71.0000	IN	1
11N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	75.0000	IN	2
13N	TNT EQUIVALENT EXPL.	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
212A	EMPLACEMENT	27.3000	LBS	9R	211A	EXPLOSIVE NAME	COMP C4		10
		HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PST	13
30N	PENT. HOLE DIAMETER	8.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10	62N	SUR. DENSITY	.654000E-01	LB/CU-IN	16
61N	SUR. THICKNESS	60.0000	IN	10	69N	SUR. DISTENTION	.690000		19
68N	SUR. MOISTURE (RY V)	24.1500	% WATER	19	222A	SURBASE TYPE	DRG CLAY		10
71N	SUR. SOLID DENSITY	.965000E-01	LB/CU-IN	19	82N	SOIL DENSITY	.705000E-01	LB/CU-IN	16
223A	SURBASE SOIL CLASS	CHCL		16	89N	SOIL DISTENTION	.720000		19
81N	SOIL THICKNESS	144.000	IN	10	224A	SOIL CLASSIFICATION	CHCL		16
88N	SOIL MOISTURE (RY V)	18.2800	% WATER	17	99N	SURFACE CTR RADIUS	52.4400	IN	79
91N	SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	101N	APPARENT CTR DEPTH	25.0000	IN	2
98N	CRATER ASPECT RATIO	1.10000		29	103N	APPARENT CTR VOLUME	4341.00	CU-IN	55
100N	CRATER VOL (EJECTA)	4341.00	CU-IN	58	105N	TRUE CRATER RADIUS	102.000	IN	1
102N	APPARENT CTR RADIUS	102.000	IN	2	107N	EARTH CRATER VOLUME	.102000E+07	CU-IN	1
104N	TRUE CRATER DEPTH	113.000	CU-IN	1	110N	PAVEMENT CTR VOLUME	260900.	CU-IN	1
106N	TRUE CRATER VOLUME	.128200E+07	CU-IN	1	111N	FALL-RACK VOLUME	8-8100.		14
108N	PAVEMENT CTR VOLUME	260900.	CU-IN	1					
111N	FALL-RACK VOLUME	8-8100.		57					

RECORD NO. 55 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	848100.	CU-IN	60
114N	- V EARTH REMOVED (P)	.176700E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	49100.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	108000.	SQ-IN	63	121N	- V EARTH REPL (E)	173200.	CU-IN	65
122N	- V EARTH REPL (SP)	.102000E+07	CU-IN	66	123N	- V EARTH REPL (P)	.220100E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	75390.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	75390.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT HAYS, KANSAS ON 18 JUN 1971, BY THE AFML.
 SLAB NO. 117/8 STATION 25+ 3 94 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

ADR PERMANENT DATA FILE LISTING FOR RECORD 56 10-03.75 F01T NO. 23 COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE NO. NO. DATE UPDATED
 56 3 HAYS 05.28.75 09.17.75 25 LB. C4, 95 IN. 008 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
*** MFAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	95.0000	IN	1
9N	- IMPACT ORLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	75.0000	IN	2
11N	- 14. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT FXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMBLACEMENT	HAND		10	213A	- FUZING	B+PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	8.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10	62N	- SUB. DENSITY	.654000E-01	LB/CU-IN	16
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	69N	- SUB. DISTENTION	.680000		19
68N	- SUR. MOISTURE (BY V)	24.1500	% WATER	19	222A	- SUBBASE TYPE	ORG CLAY		10
71N	- SUR. SOLID DENSITY	.965000E-01	LB/CU-IN	19					
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	- SOIL DISTENTION	.720000		19
91N	- SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	21.8000		29	99N	- SURFACE CTR RADIUS	6.00000	IN	2
100N	- RJBLE VOL (EJECTA)	678.600	CU-IN	58	101N	- APPARENT CTR DEPTH	8.00000	IN	2
102N	- APPARENT CTR RADIUS	6.00000	IN	2	103N	- APPARENT CTR VOLUME	678.600	CU-IN	55
104N	- TRUE CRATER DEPTH	129.000	IN	1	105N	- APPARENT CTR RADIUS	40.0000	IN	1
106N	- TRUE CRATER VOLUME	299600.	CU-IN	1	107N	- TRUE CRATER VOLUME	298800.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	800.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	8.00000	IN	12
111N	- FALL-BACK VOLUME	298900.	CU-IN	57	225A	- CRATER TYPE (WFS)	CAMP-HEAVE		14

RECORD NO. 56 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1124	- V EARTH REMOVED (E)	121.400	CU-IN	59	113N	- V EARTH REMOVED (SP)	298900.	CU-IN	60
1144	- V EARTH REMOVED (P)	.212700E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	51980.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	298800.	CU-IN	66	123N	- V EARTH REPL (P)	.212700E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	32400.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	107900.	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	179900.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 121.400 CU-IN 59
 .212700E+07 CU-IN 64
 3.00000 52
 51980.0 SQ-IN 61
 180000. SQ-IN 63
 298800. CU-IN 66
 32400.0 SQ-IN 4
 179900. SQ-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 15 JUN 1971, BY THE AFML.
 SLAB NO. 111/10 STATION 24+ 119 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO.	REV. NO.	TEST SITE	CREATION DATE	DATE LAST UPDATED	COMMENTS				
57	3	HAYS	05.28.75	09.17.75	25 LR. C4, 95 IN. JOB 8.00 IN PAVEMENT				
KEY	TYPE - NAME	VALUE	UNITS	REF	RFY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MM)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	95.0000	IN	1
9N	- IMPACT OBliquITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	75.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLOYMENT	HAND		10	213A	- FUZING	R+PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	8.00000	IN	10	31N	- REBAR DENSITY	.0	IN/50-IN	10
38M	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SURBASE DATA ***									
61N	- SUR. THICKNESS	60.0000	IN	10	62N	- SUR. DENSITY	.654000E-01	LB/CU-IN	16
68N	- SUR. MOISTURE (BY V)	24.1500	% WATER	19	69N	- SUR. DISTENTION	.680000		19
71N	- SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	- SURBASE TYPE	ORG CLAY		10
223A	- SURBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	- SOIL DISTENTION	.720000		19
91N	- SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	33.8000		29	99N	- SURFACE CTR RADIUS	3.96000	IN	29
100N	- RUBBLE VOL (EJFCTA)	678.600	CU-IN	58	101N	- APPARENT CTR DEPTH	8.00000	IN	2
102N	- APPARENT CTR RADIUS	6.00000	IN	2	103N	- APPARENT CTR VOLUME	678.600	CU-IN	55
104N	- TRUE CRATER DEPTH	134.000	IN	1	105N	- TRUE CRATER RADIUS	48.0000	IN	1
106N	- TRUE CRATER VOLUME	440300.	CU-IN	1	107N	- FARTH CRATER VOLUME	439400.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	900.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	9.50000	IN	12
111N	- FALL-BACK VOLUME	439600.	CU-IN	57	225A	- CRATER TYPE (MES)	CAMD-HEAVE		14

RECORD NO. 57 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	221.400	CU-IN	59	113N	- V EARTH REMOVED (SP)	439600.	CU-IN	60
114N	- V EARTH REMOVED (P)	.232500E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000	SQ-IN	52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	56020.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108000.		62
120N	- PAV REPAIR AREA (P)	180000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	439400.	CU-IN	66	123N	- V EARTH REPL (P)	.232600E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	36000.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	107900.	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	179900.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** RPAIR DATA ***
 59
 64
 52
 61
 63
 66
 4
 56

*** EXTRA INFORMATION ***
 99
 10

TEST PERFORMED AT HAYS, KANSAS ON 16 JUN 1971, BY THE AFWL OF
 SLAB NO. 113/B STATION 24+22 94 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. NO. DATE UPDATED
 58 3 HAYS M65 05.28.75 09.17.75 25 LB. C4, 95 IN. D08 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.75000	IN	10	5N	DEPTH OF BURST	25.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	IMP. POS. FR LONG EDG	95.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IMP. POS. FR LONG EDG	75.0000	IN	2
11N	IMP. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	8.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	RASE TYPE	NONE		10	62N	SUB. DENSITY	.654000E-01	LB/CU-IN	16
61N	SUB. THICKNESS	60.0000	IN	10	69N	SUB. DISTENTION	.680000		19
68N	SJR. MOISTURE (BY V)	24.1500	% WATER	19	222A	SURBASE TYPE	ORG CLAY		10
71N	SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19	82N	SOIL DENSITY	.705000E-01	LB/CU-IN	16
223A	SURBASE SOIL CLASS	CHCL		16	89N	SOIL DISTENTION	.720000		19
81N	SOIL THICKNESS	144.000	IN	10	224A	SOIL CLASSIFICATION	CHCL		16
88N	SOIL MOISTURE (BY V)	18.2800	% WATER	17	99N	SURFACE CTR RADIUS	3.96000	IN	29
91N	SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	101N	APPARENT CTR DEPTH	8.00000	IN	2
98N	CRATER ASPECT RATIO	32.8000		29	103N	APPARENT CTR VOLUME	678.600	CU-IN	55
100N	RUBBLE VOL (EJECTA)	678.600	CU-IN	58	105N	TRUE CRATER RADIUS	42.0000	IN	1
102N	APPARENT CTR RADIUS	6.00000	IN	2	107N	EARTH CRATER VOLUME	342.800	CU-IN	1
104N	TRUE CRATER DEPTH	129.000	IN	1	110N	MAX UPHEAVAL HEIGHT	8.00000	IN	12
106N	TRUE CRATER VOLUME	343700.	CU-IN	1	225A	CRATER TYPE (WES)	CAMO-HEAVE		14
108N	PAVEMENT CTR VOLUME	900.000	CU-IN	1					
111N	FALL-BACK VOLUME	343000.	CU-IN	57					

RECORD NO. 58 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
112N	- V EARTH REMOVED (E)	221,400	CU-IN	59	113N	- V EARTH REMOVED (SP)	343,000.	CU-IN	60
114N	- V EARTH REMOVED (P)	213,900E+07	CU-IN	64	115N	- NO. SLABS REPL (F)	1-00000		51
116N	- NO. SLABS REPL (SP)	3,000C0	SQ-IN	52	117N	- NO. SLABS REPL (P)	5,00000	SQ-IN	53
118N	- PAV REPAIR AREA (E)	54,140.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108,000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180,000.	SQ-IN	63	121N	- V EARTH REPL (E)	0	CU-IN	65
122N	- V EARTH REPL (SP)	342,800.	CU-IN	66	123N	- V EARTH REPL (P)	.214000E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	360,000.	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	107,900.	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	179,900.	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 .213900E+07
 3,000C0
 54140.0
 180000.
 342800.
 360000.
 179900.

*** EXTRA INFORMATION ***
 AFWL TR 7261
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 16 JUN 1971, BY THE AFWL OF
 SLAB NO. 11479 STATION 24+61 106 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. NO. 3 HAYS 05.28.75 09.17.75 25 LB. C4, 119 IN. DOR 8.00 IN PAVEMENT

RECORD NO.	REV. NO.	SITE	TFST NO.	DATE	CREATION DATE	LAST UPDATED	COMMENTS
59	3	HAYS	H66	05.28.75	09.17.75	25 LB. C4, 119 IN. DOR	8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	RFF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLCSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DFNSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	119.000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	75.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING	R+PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- TEST. HOLE DIAMETER	8.00000	IN	10	31N	- REBAR DFNSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5000.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURFD		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10	62N	- SUB. DENSITY	.654000E-01	LB/CU-IN	16
*** SURBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	10	69N	- SUB. DISTENTION	.680000		19
68N	- SUB. MOISTURE (BY V)	24.1500	% WATER	19	222A	- SUBBASE TYPE	ORG CLAY		10
71N	- SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19					
223A	- SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	- SOIL DISTENTION	.720000		19
91N	- SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	17	224A	- SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	25.0000		29	99N	- SURFACE CTR RADIUS	6.00000	IN	29
100N	- RUBBLE VOL (EJECTA)	678.600	CU-IN	58	101N	- APPARENT CTR DEPTH	8.00000	IN	2
102N	- APPARENT CTR RADIUS	6.00000	IN	2	103N	- APPARENT CTR VOLUME	678.600	CU-IN	55
104N	- TRUE CRATER DEPTH	149.000	CU-IN	1	105N	- TRUE CRATER RADIUS	41.0000	IN	1
106N	- TRUE CRATER VOLUME	3114.00	CU-IN	1	107N	- EARTH CRATER VOLUME	311.000	CU-IN	1
108N	- PAVEMENT CTR VOLUME	400.000	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	6.50000	IN	12
111N	- FALL-BACK VOLUME	310700.	CU-IN	57	225A	- CRATER TYPE (MFS)	CAMD-HEAVE		14

RECORD NO. 59 FOOT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
112N	- V EARTH REMOVED (F)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	310700.	CU-IN	60
114N	- V EARTH REMOVED (P)	300000E+07	CU-IN	54	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	56450.0	SQ-IN	51	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180000.	SQ-IN	63	121N	- V EARTH REPL (E)	278.600	CU-IN	65
122N	- V EARTH REPL (SP)	311000.	CU-IN	66	123N	- V EARTH REPL (P)	300100E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	34130.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	108000.	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	180000.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	0.000		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 SQ-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFMLTR7261
 HAYS

TEST PERFORMED AT HAYS, KANSAS ON 15 JUN 1971, BY THE AFWL.
 SLAB NO. 121/11 STATION 23+62 131 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
60	4	HAYS	H67	05.28.75	09.17.75	25 LB. C4, 119 IN. DOR 8.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.75000	IN	10	5N	DEVICE WEIGHT	25.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	119.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	75.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	9+PC		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	8.00000	IN	1	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	PENT. HOLE DIAMETER	8.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	5600.00	FEET	10	39N	TEST AREA WIDTH	150.000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	62N	SUB. DENSITY	.654000E-01	LB/CU-IN	16
68N	SUB. MOISTURE (BY V)	24.1500	% WATER	19	69N	SUR. DISTENTION	.680000		19
71N	SUR. SOLID DENSITY	.965000E-01	LB/CU-IN	19	222A	SUBBASE TYPE	DRG CLAY		10
223A	SUBBASE SOIL CLASS	CHCL		16					
*** SOIL DATA ***									
91N	SOIL THICKNESS	144.000	IN	10	82N	SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	SOIL DISTENTION	.720000		19
91N	SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	SOIL CLASSIFICATION	CHCL		16
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	39.4000		29	99N	SURFACE CTR RADIUS	3.96000	IN	29
100N	RUBBLE VOL (EJECTA)	678.600	CU-IN	58	101N	APPARENT CTR DEPTH	8.00000	IN	2
102N	APPARENT CTR RADIUS	6.00000	IN	2	103N	APPARENT CTR VOLUME	678.600	CU-IN	55
104N	TRUE CRATER DEPTH	157.000	IN	1	105N	TRUE CRATER RADIUS	41.0000	IN	1
106N	TRUE CRATER VOLUME	357900.	CU-IN	1	107N	EARTH CRATER VOLUME	357900.	CU-IN	1
108N	PAVEMENT CTR VOLUME	900.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	7.00000	IN	12
111N	FALL-BACK VOLUME	357200.	CU-IN	57	225A	CRATER TYPE (WES)	CAMD-HEAVE		14

RECORD NO. 60 FOOT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	221.400	CU-IN	59	113N	- V EARTH REMOVED (SP)	357200.	CU-IN	60
114N	- V EARTH REMOVED (P)	.281500E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	60620.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	180000.	CU-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	357000.	CU-IN	66	123N	- V EARTH REPL (P)	.281500E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	57600.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	107900.	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	179000.	SQ-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 221.400 CU-IN 59
 .281500E+07 CU-IN 64
 3.00000 52
 60620.0 SQ-IN 61
 180000. CU-IN 63
 357000. CU-IN 66
 57600.0 SQ-IN 4
 179000. SQ-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 HAYS 10

TEST PERFORMED AT HAYS, KANSAS ON 16 JUN 1971, BY THE AFWL
 SLAB NO. 125/11 STATION 24+44 131 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

25 LB. C4, 119 IN. DOB 8.00 IN PAVEMENT

05.28.75 09.17.75

61 3 HAYS M68

TEST NO. 61

TEST SITE HAYS

CREATION DATE 05.28.75

DATE LAST UPDATED 09.17.75

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	119.000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	75.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING	B+PC		10

*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	1	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	8.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	5600.00	FEET	10	39N	- TEST AREA WIDTH	150.000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10

*** PAVEMENT DATA ***									
220A	- BASE TYPE	NONE		10	62N	- SUB. DENSITY	.654000E-01	LB/CU-IN	16
61N	- SUBJ. THICKNESS	60.0000	IN	10	69N	- SUB. DISTENTION	.680000		19
68N	- SUBJ. MOISTURE (BY V)	24.1500	% WATER	19	222A	- SURBASE TYPE	ORG CLAY		10
71N	- SUB. SOLID DENSITY	.965000E-01	LB/CU-IN	19					
223A	- SUBBASE SOIL CLASS	CHCL		16					

*** SUBBASE DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	82N	- SOIL DENSITY	.705000E-01	LB/CU-IN	16
88N	- SOIL MOISTURE (BY V)	18.2800	% WATER	17	89N	- SOIL DISTENTION	.720000		19
91N	- SOIL SOLID DENSITY	.976000E-01	LB/CU-IN	19	224A	- SOIL CLASSIFICATION	CHCL		16

*** SOIL DATA ***									
98N	- CRATER ASPECT RATIO	38.6000		29	99N	- SURFACE CTR RADIUS	3.96000	IN	29
100N	- RUBBLE VOL (EJECTA)	678.600	CU-IN	58	101N	- APPARENT CTR DEPTH	8.00000	IN	2
102N	- APPARENT CTR RADIUS	6.00000	IN	2	103N	- APPARENT CTR VOLUME	678.600	CU-IN	55
104N	- TRUE CRATER DEPTH	152.000	IN	1	105N	- TRUE CRATER RADIUS	32.0000	IN	1
106N	- TRUE CRATER VOLUME	246200.	CU-IN	1	107N	- EARTH CRATER VOLUME	245900.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	300.000	CU-IN	1	110N	- MAX UPEHAVAL HEIGHT	8.00000	IN	12
111N	- FALL-RACK VOLUME	245500.	CU-IN	57	225A	- CRATER TYPE (MES)	CAMD-HEAVE		14

RECORD NO. 61 FDIIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0			113N	- V EARTH REMOVED (SP)	245500.	CU-IN	60
114N	- V EARTH REMOVED (P)	.293900E+07	CU-IN	59	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000	CU-IN	64	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	63360.0	SQ-IN	52	119N	- PAV REPAIR AREA (SP)	108000.	SQ-IN	62
120N	- PAV REPAIR AREA (P)	144000.	SQ-IN	61	121N	- V EARTH REPL (E)	378.600	CU-IN	65
122N	- V EARTH REPL (SP)	245900.	CU-IN	63	123N	- V EARTH REPL (P)	.293900E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	43200.0	SQ-IN	66	125N	- PAV REMOVAL AREA (SP)	108000.	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	144000.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	HAYS		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFWLTR7261
 HAYS
 99
 10

TEST PERFORMED AT HAYS, KANSAS ON 18 JUN 1971, BY THE AFWL.
 SLAB NO. 127/11 STATION 24+81 131 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST DATE COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 62 3 F SUMNER F30 05.30.75 09.17.75 5 LB. C4, 20 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	20.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
		*** PAVEMENT DATA ***							
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	TN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
		*** RASE DATA ***							
220A	BASE TYPE	NONE		10					
		*** SURBASE DATA ***							
61N	SUR. THICKNESS	120.000	IN	10	222A	SUBBASE TYPE	M-S-C SAND		10
223A	SUBBASE SOIL CLASS	SMSC		13					
		*** SOIL DATA ***							
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
		*** CRATER DATA ***							
98N	CRATER ASPECT RATIO	1.08000		29	99N	SURFACE CTR RADIUS	38.6400	IN	29
100N	RUBBLE VOL (EJFCTA)	26860.0	CU-IN	58	101N	APPARENT CTR DEPTH	14.0000	IN	2
102N	APPARENT CTR RADIUS	34.0000	IN	2	103N	APPARENT CTR VOLUME	26860.0	CU-IN	55
104N	TRUE CRATER DEPTH	42.0000	IN	1	105N	TRUE CRATER RADIUS	34.0000	IN	1
106N	TRUE CRATER VOLUME	61800.0	CU-IN	1	107N	EARTH CRATER VOLUME	36300.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	25400.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	5.00000	IN	12
111N	FALL-BACK VOLUME	34940.0	CU-IN	57	225A	CRATER TYPE (MES)	STANDARD		14

RECORD NO. 62 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	34940.0	CU-IN	60
114N	- V EARTH REMOVED (P)	117800.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (E)	4205.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	28800.0	SQ-IN	63	121N	- V EARTH REPL (E)	1459.00	CU-IN	65
122N	- V EARTH REPL (SP)	36300.0	CU-IN	66	123N	- V EARTH REPL (P)	144700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	25170.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	25170.0	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 99
 10

TEST PERFORMED AT FT SUMNER, NM ON 17 FEB 1971, BY THE AFWL -
 SLAB NO. M58E2 STATION 17+86 20 FEET FROM THE LEFT EDGE OF
 THE PUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 63 3 F SUMNER F31 05.30.75 09.17.75 5 LB. C4, 40 IN. DIA 7.00 IN PAVEMENT

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
*** WEAPON DATA ***											
1N	-	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	-	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (MH)	1.87500	IN	10	5N	-	DEVICE WEIGHT	5.00000	LBS	10
6N	-	AVG CASE THICKNESS	.0	IN	10	8N	-	DEPTH OF BURST	40.0000	IN	1
9N	-	IMPACT ORLIQUITY	.0	DEGREES	10	10N	-	1M. POS. FR LONG EDG	60.0000	IN	2
11N	-	1M. POS. FR SHRT EDG	120.000	IN	2	12N	-	IMPACT VELOCITY	.0	FT/SEC	10
13N	-	TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	-	EXPLOSIVE NAME	COMP C4		10
212A	-	EMPLACEMENT	HAND		10	213A	-	FUZZING	B+PC		10
*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	7.00000	IN	1	22N	-	SLAB AREA	28000.0	SQ-IN	10
23N	-	SLAB ASPECT RATIO	.500000		10	24N	-	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	-	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	-	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	-	PENT. HOLE DIAMETER	6.00000	IN	10	31N	-	REBAR DENSITY	.0	IN/SQ-IN	10
38N	-	TEST AREA LENGTH	1800.00	FEET	10	39N	-	TEST AREA WIDTH	75.0000	FEET	10
214A	-	PAVEMENT TYPE	PCC		10	215A	-	REINFORCEMENT	NONE		10
217A	-	AGE	OLD		10	218A	-	OVERLAYMENT	NONE		10
201A	-	PAV CONSTRUCTION	POURED		10	202A	-	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***											
220A	-	BASE TYPE	NONE		10						
*** SUBBASE DATA ***											
61N	-	SUB. THICKNESS	120.000	IN	10	222A	-	SUBBASE TYPE	M-S-C SAND		10
223A	-	SUBBASE SOIL CLASS	SMSC		13						
*** SOIL DATA ***											
81N	-	SOIL THICKNESS	36.0000	IN	10	224A	-	SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***											
98N	-	CRATER ASPECT RATIO	8.62000		29	99N	-	SURFAC CTR RADIUS	6.96003	IN	29
100N	-	RUBBLE VOL (EJECTA)	718.400	CU-IN	58	101N	-	APPARENT CTR DEPTH	7.00000	IN	2
102N	-	APPARENT CTR RADIUS	7.00000	IN	2	103N	-	APPARENT CTR VOLUME	718.400	CU-IN	55
104N	-	TRUE CRATER DEPTH	61.0000	IN	1	105N	-	TRUE CRATER RADIUS	19.0000	IN	1
106N	-	TRUE CRATER VOLUME	32800.0	CU-IN	1	107N	-	EARTH CRATER VOLUME	31700.0	CU-IN	1
108N	-	PAVEMENT CTR VOLUME	1100.00	CU-IN	1	110N	-	MAX UPHEAVAL HEIGHT	1.30000	IN	12
111N	-	FALL-BACK VOLUME	32080.0	CU-IN	57	225A	-	CRATER TYPE (MES)	CAMD-HEAVE		14

REC'D NO. 63 FBIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	381.600	CU-IN	59	113N	- V EARTH REMOVED (SP)	32080.0	CU-IN	60
114N	- V EARTH REMOVED (P)	316500.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	157.100	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	31700.0	CU-IN	66	123N	- V EARTH REPL (P)	317200.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	28640.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	86240.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFMLTR7261
 FT SUMNER

TEST PERFORMED AT FT SUMNER, NM ON 17 FEB 1971, BY THE AFML.
 SLAB NO. NS1E6 STATION 16+46 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 64 REV. NO. 4 F SUMNER TEST SITE F32 TEST NO. 05.30.75 CREATION DATE 09.17.75 DATE LAST UPDATED 09.17.75 COMMENTS 5 LB. C4, 60 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	60.0000	IN	1
9N	IMPACT ORBITQUITY	.0	DFGREFFS	10	10N	IM. POS. FR LONG FDC	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. CCOMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	RERAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVRFLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLARS		10
220A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
61N	SUB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SCTL CLASS	SMSC		13	99N	SURFACE CTR RADIUS	6.00000	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	7.00000	IN	2
98N	CRATER ASPECT RATIO	12.6600		29	103N	APPARENT CTR VOLUME	565.500	CU-IN	55
100N	RUBBLE VOL (EJECTA)	565.500	CU-IN	58	105N	TRUE CRATER RADIUS	18.0000	IN	1
102N	APPARENT CTR RADIUS	6.00000	IN	2	107N	TRUE CRATER VOLUME	25200.0	CU-IN	1
104N	TRUE CRATER DEPTH	77.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	1.30000	IN	12
106N	TRUE CRATER VOLUME	26000.0	CU-IN	1	225A	CRATER TYPE (WFS)	CAMD-HEAVE		14
108N	PAVEMENT CTR VOLUME	800.000	CU-IN	1					
111N	FALL-BACK VOLUME	25430.0	CU-IN	57					

RECORD NO. 64 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	234,500	CU-IN	59	113N	- V EARTH REMOVED (SP)	25430.0	CU-IN	60
114N	- V EARTH REMOVED (P)	480200.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1,000.00		52	117N	- NO. SLABS REPL (P)	3,000.00		53
118N	- PAV REPAIR AREA (E)	114,300	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	864,000.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	25200.0	CU-IN	66	123N	- V EARTH REPL (P)	480800.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	28690.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	863300.0	SQ-IN	56					
226A	- DATA SOURCE	AFML TR7261		99	227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFML TR7261
 FT SUMNER

TEST PERFORMED AT FT SUMNER, NM ON 19 FEB 1971, BY THE AFML.
 SLAB NO. N47E4 STATION 15+66 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 65 3 F SUMNER F33 05.30.75 09.17.75 5 LB. C4; 20 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
IN	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE HEIGHT	5.00000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	20.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG FDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	5.45000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMBLACEMENT	HAND		10	213A	- FUZING	R+PC		10

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** PAVEMENT DATA ***							
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** BASE DATA ***							
220A	- BASE TYPE	NONE		10	222A	- SUBBASE TYPE	M-S-C SAND		10

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** SURBASE DATA ***							
61N	- SUB. THICKNESS	120.000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
223A	- SURBASE SOIL CLASS	MSC		13					

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** SOIL DATA ***							
81N	- SOIL THICKNESS	36.0000	IN	10	99N	- SURFACE CTR RADIUS	43.4400	IN	29
		*** CRATER DATA ***			101N	- APPARENT CTR DEPTH	41.0000	IN	2
98V	- CRATER ASPECT RATIO	.990000		29	103N	- APPARENT CTR VOLUME	76700.0	CU-IN	69
100N	- RUBBLE VOL (EJECTA)	76700.0	CU-IN	58	105N	- TRUE CRATER RADIUS	35.0000	IN	1
102N	- APPARENT CTR RADIUS	35.0000	IN	2	107N	- FARTH CRATER VOLUME	50500.0	CU-IN	1
104N	- TRUE CRATER DEPTH	43.0000	IN	1	110N	- MAX UPHEAVAL HEIGHT	1.20000	IN	12
106N	- TRUE CRATER VOLUME	76800.0	CU-IN	1	225A	- CRATER TYPE (MES)	STANDARD		14
108N	- PAVEMENT CTR VOLUME	26200.0	CU-IN	1					
111N	- FALL-BACK VOLUME	100.000	CU-IN	57					

RECORD NO. 65 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALJE	UNITS	RFF
112N	- V EARTH REMOVED (E)	0	CU-IN	59	113N	- V EARTH REMOVED (SP)	100.000	CU-IN	60
114N	- V EARTH REMOVED (P)	13000.0	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	3743.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	57600.0	SQ-IN	63	121N	- V EARTH REPL (E)	50500.0	CU-IN	65
122N	- V EARTH REPL (SP)	50500.0	CU-IN	66	123N	- V EARTH REPL (P)	206700.0	CU-IN	67
124N	- PAV REMOVAL AREA (E)	0	SQ-IN	56	125N	- PAV REMOVAL AREA (SP)	25060.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	53860.0	SQ-IN	56					
226A	- DATA SOURCE	AFHLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT S/MNER		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFHLTR7261 99
 FT S/MNER 10

TEST PERFORMED AT FT SUMNER, NM ON 22 FEB 1971, BY THE AFWL.
 SLAB NO. N38E2 STATION 13+86 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NC. SITE NO. DATE UPDATED

 66 3 F SUMNER F34 05.30.75 09.17.75 5 LB. C4. 33 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	.579000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	5.00000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	33.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING	B+PC		10
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.50000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10	222A	- SUBBASE TYPE	M-S-C SAND		10
61N	- SUB. THICKNESS	120.000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
223A	- SUBBASE SOIL CLASS	S4SC		13	99N	- SURFAC CTR RADIUS	50.1600	IN	29
81N	- SOIL THICKNESS	36.0000	IN	10	101N	- APPARENT CTR DEPTH	4.00000	IN	2
98N	- CRATER ASPECT RATIO	1.03000		29	103N	- APPARENT CTR VOLUME	5688.00	CU-IN	55
100N	- RUBBLE VCL (FJECTA)	5688.00	CU-IN	58	105N	- TRUE CRATER RADIUS	30.0000	IN	1
102N	- APPARENT CTR RADIUS	30.0000	IN	2	107N	- EARTH CRATER VOLUME	54400.0	CU-IN	1
104N	- TRUE CRATER DEPTH	52.0000	IN	1	110N	- MAX UPHEAVAL HEIGHT	1.30000	IN	12
106N	- TRUE CRATER VOLUME	74400.0	CU-IN	1	225A	- CRATER TYPE (WFS)	STANDARD		14
108N	- PAVEMENT CTR VOLUME	19800.0	CU-IN	1					
111N	- FALL-BACK VOLUME	68710.0	CU-IN	57					

RECORD NO. 66 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	14110.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	68710.0	CU-IN	60
114N	- V EARTH REMOVED (P)	21740.0	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	3981.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	57600.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0		65
122N	- V EARTH REPL (SP)	54400.0	CU-IN	66	123N	- V EARTH REPL (P)	223100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	25970.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	54770.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- FST DATA RELIABILITY	G000		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 22 FEB 1971, BY THE AFWL.
 SLAB NO. N30E3 STATION 12+26 30 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 67 TEST NO. F35 CREATION DATE 05.30.75 DATE LAST UPDATED 09.17.75 COMMENTS
 NO. 3 F SUMMER 5 LB. C4, 50 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.87500	IN	10	5N	DEVICE WEIGHT	50.00000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	50.00000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.00000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.50000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	7800.00	FEET	10	39N	TEST AREA WIDTH	75.00000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGF	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	120.000	IN	10	222A	SUBBASE TYPE	M-S-C SAND		10
223A	SUBBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	17.6600		29	99N	SURFACE CTR RADIUS	3.96000	IN	29
100N	RUBBLE VOL (FJCTA)	284.800	CU-IN	58	101N	APPARENT CTR DEPTH	7.00000	IN	2
102N	APPARENT CTR RADIUS	4.00000	IN	2	103N	APPARENT CTR VOLUME	284.800	CU-IN	55
104N	TRUE CRATER DEPTH	70.0000	IN	1	105N	TRUE CRATER RADIUS	20.0000	IN	1
106N	TRUE CRATER VOLUME	3300.0	CU-IN	1	107N	EARTH CRATER VOLUME	32900.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	400.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.30000	IN	12
111N	FALL-BACK VOLUME	33020.0	CU-IN	57	225A	CRATER TYPE (MES)	CAMD-HEAVE		14

RECORD NO. 67 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	115.200	CU-IN	59	113N	- V EARTH REMOVED (SP)	33020.0	CU-IN	60
114N	- V EARTH REMOVED (P)	39750.0	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	57.1400	SC-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SC-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	32900.0	CU-IN	66	123N	- V EARTH REPL (P)	397800.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	28740.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	86340.0	SO-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 115.200 CU-IN 59
 39750.0 CU-IN 64
 1.00000 52
 57.1400 SC-IN 61
 86400.0 SC-IN 63
 32900.0 CU-IN 66
 .0 SO-IN 4
 86340.0 SO-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 23 FEB 1971, BY THE AFWL. OF
 SLAB NO. M17E2 STATION 09+65 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

BDR PERMANENT DATA FILE LISTING FOR RECORD 68
 RECORD NO. 68 REV. NO. 3 TEST SITE F SUMMER F36
 CREATION DATE 05.30.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 5 LB. C4, 17 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	5.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.8750	IN	10	5N	DEVICE WEIGHT	5.00000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	17.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.50000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
*** BASE DATA ***									
61N	SUR. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SOIL CLASS	SMSC		13	99N	SURFACE CTR RADIUS	30.7200	IN	29
*** SOIL DATA ***									
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	20.0000	IN	2
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.26000		29	103N	APPARENT CTR VOLUME	23820.0	CU-IN	55
100N	RUBBLE VOL (EJECTA)	23820.0	CU-IN	58	105N	TRUE CRATER RADIUS	25.0000	IN	1
102N	APPARENT CTR RADIUS	25.0000	IN	2	107N	FARTH CRATER VOLUME	35300.0	CU-IN	1
104N	TRUE CRATER DEPTH	39.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
106N	TRUE CRATER VOLUME	49100.0	CU-IN	1	225A	CRATER TYPE (MES)	CAND-SPALL		14
108N	PAVEMENT CTR VOLUME	13900.0	CU-IN	1					
111N	FALL-BACK VOLUME	25280.0	CU-IN	57					

RECORD NO. 68 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	-0	CU-IN	59	113N	- V EARTH REMOVED (SP)	25280.0	CU-IN	60
114N	- V EARTH REMOVED (P)	159100.	CU-IN	64	115N	- NO. SLABS REPL (F)	-0		51
116N	- NO. SLABS REPL (SP)	1-00000		52	117N	- NO. SLABS REPL (P)	2-00000		53
118N	- PAV REPAIR AREA (E)	3714.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	29800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	57600.0	SQ-IN	63	121N	- V EARTH REPL (E)	9924.00	CU-IN	65
122N	- V EARTH REPL (SP)	35300.0	CU-IN	66	123N	- V EARTH REPL (P)	183000.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	-0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	26810.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	55610.0	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR7261		99	227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFWL TR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 23 FEB 1971, BY THE AFML.
 SLAB NO. S 4E2 STATION 05+51 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 69 3 F SUMNER F37 05.30.75 09.17.75 5 LB. C4, 33 IN. 008 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
	IN - EXPLOSIVE WEIGHT	5.00000	LBS	1	2N -	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
	4N - LENGTH/DIAMETER (WH)	1.87500	IN	10	5N -	DEVICE HEIGHT	5.00000	LBS	10
	6N - AVG CASE THICKNESS	.0	IN	10	8N -	DEPTH OF BURST	33.0000	IN	1
	9N - IMPACT OBLIQUITY	.0	DEGREES	10	10N -	IM. POS. FR LONG EDG	60.0000	IN	2
	11N - IM. POS. FR SHRT EDG	120.000	IN	2	12N -	IMPACT VELOCITY	.0	FT/SEC	10
	13N - TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A -	EXPLOSIVE NAME	COMP C4		10
	212A - EMPLOYMENT	HAND		10	213A -	FUZZING	R+PC		10
		*** PAVEMENT DATA ***							
	21N - PAVEMENT THICKNESS	7.00000	IN	1	22N -	SLAB AREA	28800.0	SQ-IN	10
	23N - SLAB ASPECT RATIO	.500000		10	24N -	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
	25N - PAV. COMP. STRENGTH	10520.0	PSI	13	26N -	PAV. COMP. MODULUS	.630000E+07	PSI	13
	30N - PENT. MOLE DIAMETER	6.00000	IN	10	31N -	REBAR DENSITY	.0	IN/SQ-IN	10
	38N - TEST AREA LENGTH	1800.00	FEET	10	39N -	TEST AREA WIDTH	75.0000	FEET	10
	214A - PAVEMENT TYPE	PCC		10	215A -	REINFORCEMENT	NONE		10
	217A - AGE	OLD		10	218A -	OVERLAYMENT	NONE		10
	201A - PAV CONSTRUCTION	POURED		10	202A -	PAVEMENT DESIGN	SLABS		10
		*** BASE DATA ***							
	220A - BASE TYPE	NONE		10					
		*** SUBBASE DATA ***							
	61N - SUB. THICKNESS	120.000	IN	10	222A -	SURBASE TYPE	M-S-C SAND		10
	223A - SUBBASE SOIL CLASS	SMSC		13					
		*** SOIL DATA ***							
	81N - SOIL THICKNESS	36.0000	IN	10	224A -	SOIL CLASSIFICATION	SPSM		13
		*** CRATER DATA ***							
	98N - CRATER ASPECT RATIO	10.3300		29	99N -	SURFACE CTR RADIUS	6.48000	IN	29
	100N - RUBBLE VOL (EJECTA)	718.400	CU-IN	58	101N -	APPARENT CTR DEPTH	7.00000	IN	2
	102N - APPARENT CTR RADIUS	7.00000	IN	2	103N -	APPARENT CTR VOLUME	718.400	CU-IN	55
	104N - TRUE CRATER DEPTH	67.0000	IN	1	105N -	TRUE CRATER RADIUS	23.0000	IN	1
	106N - TRUE CRATER VOLUME	51000.0	CU-IN	1	107N -	EARTH CRATER VOLUME	50100.0	CU-IN	1
	108N - PAVEMENT CTR VOLUME	900.000	CU-IN	1	110N -	MAX UPHEAVAL HEIGHT	2.80000	IN	12
	111N - FALL-RACK VOLUME	50280.0	CU-IN	57	225A -	CRATER TYPE (MES)	CAMD-HEAVE		14

RECORD NO. 69 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	181.600	CU-IN	59	113N	- V EARTH REMOVED (SP)	50280.0	CU-IN	60
114N	- V EARTH REMOVED (P)	396000.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000	CU-IN	52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	128.600	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	50100.0	CU-IN	66	123N	- V EARTH REPL (P)	396700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	28670.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	86270.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLR7261		99					
228A	- TEST SITE	FT SUMNER		10					
		*** REPAIR DATA ***							
		*** EXTRA INFORMATION ***							
		227A - EST DATA RELIABILITY							99
		GOOD							

TEST PERFORMED AT FT SUMNER, NM ON 23 FEB 1971, BY THE AFML-
 SLAB NO. S10E4 STATION 04+31 40 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST DATE COMMENTS
 NO. NO. SITE NO. DATE UPDATED

70 3 F SUMNER F38 05.30.75 09.17.75 5 LB. C4, 50 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	- EXPLOSIVE DENSITY	578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	- DEVICE WEIGHT	50.00000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	60.00000	IN	2
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	.0	FT/SEC	10
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	COMP C4		10
13N	- TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	- EXPLOSIVE NAME	B+PC		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING			10
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- PEBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	- BASE TYPE	NONE		10	222A	- SUBBASE TYPE	M-S-C SAND		10
61N	- SUR. THICKNESS	120.000	IN	10	224A	- SOIL CLASSIFICATION	S PSM		13
223A	- SJBRASE SOIL CLASS	S4SC		13	99N	- SURFACE CTR RADIUS	5.52000	IN	29
81N	- SOIL THICKNESS	36.0000	IN	10	101N	- APPARENT CTR DEPTH	7.00000	IN	2
98N	- CRATER ASPECT RATIO	12.6700		29	103N	- APPARENT CTR VOLUME	565.500	CU-IN	55
100N	- RUBBLE VCL (EJECTA)	565.500	CU-IN	58	105N	- TRUE CRATER RADIUS	22.0000	IN	1
102N	- APPARENT CTR RADIUS	6.00000	IN	2	107N	- EARTH CRATER VOLUME	42000.0	CU-IN	1
104N	- TRUE CRATER DEPTH	70.0000	IN	1	110N	- MAX UPHEAVAL HEIGHT	1.20000	IN	12
106N	- TRUE CRATER VOLUME	42700.0	CU-IN	1	225A	- CRATER TYPE (HFS)	CAMD-HEAVE		14
108N	- PAVEMENT CTR VOLUME	700.000	CU-IN	1					
111N	- FALL-9ACK VOLUME	42130.0	CU-IN	57					
*** CRATER DATA ***									
*** BASE DATA ***									
*** SUBBASE DATA ***									
*** SOIL DATA ***									

RECORD NO. 70 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	134.500	CU-IN	59	113N	- V EARTH REMOVED (SP)	42130.0	CU-IN	60
114N	- V EARTH REMOVED (P)	426200.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	100.000	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (F)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	42000.0	CU-IN	66	123N	- V EARTH REPL (P)	426800.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	28700.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	86300.0	SQ-IN	56					
226A	- DATA SOURCE	AFWL TR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 24 FEB 1971, BY THE AFWL.
 SLAB NO. S18E6 STATION 02+70 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 71 3 F SUMNER F39 05.30.75 09.17.75 5 LR. C4, 33 IN. DDB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEPTH OF BURST	33.00000	IN	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	33.00000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGRFES	10	10N	IM. POS. FR LONG EDG	60.00000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	R+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
61N	SUB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SOIL CLASS	SMSC		13	99N	SURFAC CTR RADIUS	3.00000	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	7.00000	IN	2
98N	CRATER ASPECT RATIO	16.0000		29	103N	APPARENT CTR VOLUME	169.600	CU-IN	55
100N	RURBLE VOL (EJECTA)	169.600	CU-IN	58	105N	TRUF CRATER RADIUS	18.0000	IN	1
102N	APPARENT CTR RADIUS	3.00000	IN	2	107N	EARTH CRATER VOLUME	20400.0	CU-IN	1
104N	TRUE CRATER DEPTH	46.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	14.2000	IN	12
106N	TRUE CRATER VOLUME	20600.0	CU-IN	1	225A	CRATER TYPE (WFS)	CAMD-HEAVY		14
108N	PAVEMENT CTR VOLUME	200.000	CU-IN	1					
111N	FALL-BACK VOLUME	20430.0	CU-IN	57					

RECORD NO. 71 FDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	30.3500	CU-IN	59	113N	- V EARTH REMOVED (SP)	20430.0	CU-IN	60
114N	- V EARTH REMOVED (P)	175300.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	1.00000		53
118N	- PAV REPAIR AREA (E)	16160.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	28800.0	SO-IN	63	121N	- V EARTH REPL (F)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	20400.0	CU-IN	66	123N	- V EARTH REPL (P)	175500.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	17280.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	28770.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	28770.0	SO-IN	56					
226A	- DATA SOURCE	AFWLTR 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 19 FEB 1971, BY THE AFML.
 SLAB NO. M52F2 STATION 16+66 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE DATE DATE UPDATED

 72 3 F SUMNFR F30A 05.30.75 09.17.75 5 LB. C4, 33 IN. D08 7.06 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
1N	EXPLOSIVE WEIGHT	5.00000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.87500	IN	10	5N	DEPTH OF BURST	33.00000	IN	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	IM. POS. FR LONG EDG	60.00000	IN	2
9N	IMPACT OBLIQUITY	.0	DEGRFES	10	12N	IMPACT VELOCITY	.0	FT/SEC	10
11N	IM. POS. FR SHRT EDG	120.000	IN	2	211A	EXPLOSIVE NAME	COMP C4		10
13N	TNT EQUIVALENT EXPL.	5.46000	LBS	98	213A	FUZZING	B+PC		10
212A	EMPLACEMENT	HAND		10					
		*** PAVEMENT DATA ***							
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
		*** BASE DATA ***							
220A	BASE TYPE	NONE		10	222A	SJBBASE TYPE	M-S-C SAND		10
		*** SUBBASE DATA ***							
61N	SUB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SCIL CLASS	SMSC		13					
		*** SOIL DATA ***							
81N	SOIL THICKNESS	36.0000	IN	10	99N	SURFACE CTR RADIUS	43.4400	IN	29
		*** CRATER DATA ***							
98N	CRATER ASPECT RATIO	1.32000		29	101N	APPARENT CTR DEPTH	4.00000	IN	2
100N	RUBBLE VOL (EJECTA)	12200.0	CU-IN	58	103N	APPARENT CTR VOLUME	12200.0	CU-IN	55
102N	APPARENT CTR RADIUS	44.0000	IN	2	105N	TRUE CRATER RADIUS	44.0000	IN	1
104N	TRUE CRATER DEPTH	54.0000	IN	1	107N	EARTH CRATER VOLUME	65500.0	CU-IN	1
106N	TRUE CRATER VOLUME	106100.	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.40000	IN	12
108N	PAVEMENT CTR VOLUME	42600.0	CU-IN	1	225A	CRATER TYPE (MFS)	STANDARD		14
111N	FALL-BACK VOLUME	93900.0	CU-IN	57					

RECORD NO. 72 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	30400.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	93900.0	CU-IN	60
114N	- V EARTH REMOVED (P)	220300.0	CU-IN	54	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	2.00000		53
118N	- PAV REPAIR AREA (E)	8966.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	57600.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	65500.0	CU-IN	66	123N	- V EARTH REPL (P)	232500.0	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	22710.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	51510.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	5000		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 54
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 26 FEB 1971. BY THE AFWL.
 SLAB NO. N56E3 STATION 17+46 30 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATE)

73 4 F SUMNER F1 05.30.75 09.17.75 15 LB. C4, 50 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
*** WEAPON DATA ***											
1N	-	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	-	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	-	DEPTH OF BURST	15.0000	LBS	10
6N	-	AVG CASE THICKNESS	.0	IN	10	8N	-	DEPTH OF BURST	50.0000	IN	1
9N	-	IMPACT OBLIQUITY	.0	DEGREES	10	10N	-	IM. POS. FR LONG EDG	60.0000	IN	2
11N	-	IM. POS. FR SHRT EDG	120.000	IN	2	12N	-	IMPACT VELOCITY	.0	FT/SEC	10
13N	-	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	-	EXPLOSIVE NAME	C4		10
212A	-	EMPLACEMENT	HAND		10	213A	-	FUZZING	B+PC		10
*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	7.00000	IN	1	22N	-	SLAB AREA	28800.0	SQ-IN	10
23N	-	SLAB ASPECT RATIO	.500000		10	24N	-	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	-	COMP. STRENGTH	10520.0	PSI	13	26N	-	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	-	PENT. HOLE DIAMETER	6.00000	IN	10	31N	-	REBAR DENSITY	.0	IN/SQ-IN	10
38N	-	TEST AREA LENGTH	1800.00	FEET	10	39N	-	TEST AREA WIDTH	75.0000	FEET	10
214A	-	PAVEMENT TYPE	PCC		10	215A	-	REINFORCEMENT	NONE		10
217A	-	AGE	OLD		10	218A	-	OVERLAYMENT	NONE		10
201A	-	PAV CONSTRUCTION	POURED		10	202A	-	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***											
220A	-	BASE TYPE	NONE		10						
*** SUBBASE DATA ***											
61N	-	SUB. THICKNESS	120.000	IN	10	222A	-	SUBBASE TYPE	M-S-C SAND		10
223A	-	SUBBASE SOIL CLASS	SMSC		13						
*** SOIL DATA ***											
81N	-	SOIL THICKNESS	36.0000	IN	10	224A	-	SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***											
98N	-	CRATER ASPECT RATIO	.930000		29	99N	-	SURFACE CTR RADIUS	75.7200	IN	29
100N	-	RUBBLE VOL (EJECTA)	44330.0	CU-IN	58	101N	-	APPARENT CTR DEPTH	12.0000	IN	2
102N	-	APPARENT CTR RADIUS	48.0000	IN	2	103N	-	APPARENT CTR VOLUME	44330.0	CU-IN	55
104N	-	TRUE CRATER DEPTH	73.0000	IN	1	105N	-	TRUE CRATER RADIUS	48.0000	IN	1
106N	-	TRUE CRATER VOLUME	274300.0	CU-IN	1	107N	-	FARTH CRATER VOLUME	223600.0	CU-IN	1
108N	-	PAVEMENT CTR VOLUME	50700.0	CU-IN	1	110N	-	MAX UPHEAVAL HEIGHT	4.00000	IN	12
111N	-	FALL-BACK VOLUME	230000.0	CU-IN	57	225A	-	CRATER TYPE (WFS)	CAMO-SPALL		14

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	6366.00	CU-IN	59	113N	- V EARTH REMOVED (SP)	230000.	CU-IN	60
114N	- V EARTH REMOVED (P)	692200.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	34560.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	223600.	CU-IN	66	123N	- V EARTH REPL (P)	736600.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	79160.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	79160.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 27 JAN 1971, BY THE AFML.
 SLAB NO. N29E5 STATION 12+06 50 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 74 3 F SUMNER F2 C5.30.75 09.17.75 15 LB. C4, 70 IN. DOB 7.00 IN PAVEMENT

TEST NO. 3 F SUMNER F2 C5.30.75 09.17.75 15 LB. C4, 70 IN. DOB 7.00 IN PAVEMENT

COMMENTS

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEPTH OF BURST	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	IM. POS. FR LONG EDG	70.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGR	10	10N	IMPACT VELOCITY	60.0000	FT/SEC	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	EXPLOSIVE NAME	.C		10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAV. COMP. MODULUS	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	10	26N	REBAR DENSITY	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	TEST AREA WIDTH	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	1	39N	REINFORCEMENT	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	OVERLAYMENT	NONE		10
217A	AGE	OLD		10	218A	PAVEMENT DESIGN	NONE		10
201A	PAV CONSTRUCTION	POURFD		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10	222A	SURBASE TYPE	M-S-C SAND		10
61N	SUB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SURBASE SCIL CLASS	SMSC		13	99N	SURFACE CTR RADIUS	71.5200	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	29.0000	IN	2
98N	CRATER ASPECT RATIO	1.00000		29	103N	APPARENT CTR VOLUME	289900.	CU-IN	55
100N	RURBLE VOL (EJECTA)	289900.	CU-IN	58	105N	TRUE CRATER RADIUS	78.0000	IN	1
102N	APPARENT CTR RADIUS	78.0000	IN	2	107N	EARTH CRATER VOLUME	214400.	CU-IN	1
104N	TRUE CRATER DEPTH	72.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	7.00000	IN	12
106N	TRUE CRATER VOLUME	348200.	CU-IN	1	225A	CRATER TYPE (WES)	CAMD-SPALL		14
108N	PAVEMENT CTR VOLUME	133800.	CU-IN	1					
111N	FALL-BACK VOLUME	58280.0	CU-IN	57					

RECORD NO. 74 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	-0	CU-IN	59	113N	- V EARTH REMOVED (SP)	58280.0	CU-IN	60
114N	- V EARTH REMOVED (P)	570100.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	40320.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	115200.	SQ-IN	63	121N	- V EARTH REPL (E)	156100.	CU-IN	65
122N	- V EARTH REPL (SP)	214400.	CU-IN	66	123N	- V EARTH REPL (P)	860100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	28800.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	67290.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	96090.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 28 JAN 1971, BY THE AFML.
 SLAB NO. N45E4 STATION 15+26 40 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST CRFTION DATE LAST COMMENTS
NO. NO. SITE DATE UPDATED

75 3 F SUMNER F4 05.30.75 09.17.75 15 LR. C4, 90 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	90.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	R+PC		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAV. DENSITY	.874000E-01	L9/CU-IN	13
25N	PAV COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENI. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUR. THICKNESS	120.000	IN	10	222A	SURBASE TYPE	M-S-C SAND		10
223A	SURBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	16.5000		79	99N	SURFACE CTR RADIUS	6.00000	IN	29
100N	RUBBLE VOL (EJECTA)	565.500	CU-IN	58	101N	APPARENT CTR DEPTH	7.00000	IN	2
102N	APPARENT CTR RADIUS	6.00000	IN	2	103N	APPARENT CTR VOLUME	565.500	CU-IN	55
104N	TRUE CRATER DEPTH	99.0000	IN	1	105N	TRUE CRATER RADIUS	31.0000	IN	1
106N	TRUE CRATER VOLUME	18800.0	CU-IN	1	107N	EARTH CRATER VOLUME	187200.	CU-IN	1
108N	PAVEMENT CTR VOLUME	800.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	16.0000	IN	12
111N	FALL-BACK VOLUME	187400.	CU-IN	57	224A	CRATER TYPE (MFS)	CAMD-HFAVF		14

RECORD NO. 75 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	234.500	CU-IN	59	113N	- V EARTH REMOVED (SP)	187400.	CU-IN	60
114N	- V EARTH REMOVED (P)	.132900E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	37440.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	144000.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	187200.	CU-IN	66	123N	- V EARTH REPL (P)	.132900E+07	CU-IN	67
124N	- PAV REMOVAL AREA (F)	28800.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	86290.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	143900.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 1 FEB 1971, BY THE AFWL. OF
 SLAB NO. S19F3 STATION 02+51 30 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST DATE LAST
 NO. NO. SITE NO. DATE DATE UPDATED
 76 3 F SUMNER F5 05.30.75 09.17.75 15 LB. C4, 30 IN. DB8 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WFAPON DATA ***							
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000F-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEPTH OF BURST	15.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	30.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- 14. POS. FR LONG EDG	60.0000	IN	2
11N	- 14. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMBLACEMENT	HAND		10	213A	- FUZING	B+PC		10
		*** PAVEMENT DATA ***							
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
		*** BASE DATA ***							
220A	- BASE TYPE	NONE		10					
		*** SUBBASE DATA ***							
61N	- SUB. THICKNESS	120.000	IN	10	222A	- SUBBASE TYPE	M-S-C SAND		10
223A	- SUBBASE SCIL CLASS	S4SC		13					
		*** SOIL DATA ***							
91N	- SOIL THICKNESS	36.0000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
		*** CRATER DATA ***							
98N	- CRATER ASPECT RATIO	1.12000		29	99N	- SURFACE CTR RADIUS	51.7200	IN	29
100N	- RUBBLE VOL (EJECTA)	85200.0	CU-IN	58	101N	- APPARENT CTR DEPTH	22.0000	IN	2
102N	- APPARENT CTR RADIUS	48.0000	IN	2	103N	- APPARENT CTR VOLUME	85200.0	CU-IN	55
104N	- TRUE CRATER DEPTH	106.000	IN	1	105N	- TRUE CRATER RADIUS	48.0000	IN	1
106N	- TRUE CRATER VOLUME	348800.	CU-IN	1	107N	- EARTH CRATER VOLUME	298100.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	50700.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	6.50000	IN	12
111N	- FALL-BACK VOLUME	263600.	CU-IN	57	225A	- CRATER TYPE (MES)	STANDARD		14

RECORD NO. 76 ECIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	263600.	CU-IN	60
114N	- V EARTH REMOVED (P)	960500.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	3.00000	CU-IN	52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	9403.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	34500.0	CU-IN	65
122N	- V EARTH REPL (SP)	298100.	CU-IN	56	123N	- V EARTH REPL (P)	.104600E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	4752.00	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	79160.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	79160.0	SO-IN	56					
226A	- DATA SOURCE	AFML TR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	F. SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SO-IN

*** EXTRA INFORMATION ***
 AFML TR7261
 F. SUMNER

TEST PERFORMED AT FT SUMNER, NM ON 2 FEB 1971, BY THE AFML.
 SLAB NO. S13E2 STATION 03+70 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO.	RFV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
77	5	F SUMNER	F6	05.30.75	09.17.75	15 LB. C4, 10 IN. DDR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	10.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIV. EXPL.	16.3800	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMBLEMMENT	HAND		10	213A	- FUZZING	8*PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PEN. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	120.000	IN	10	222A	- SUBBASE TYPE	M-S-C SAND		10
223A	- SUBBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	1.08000		29	99N	- SURFACE CTR RADIUS	44.2800	IN	29
100N	- RUBBLF VOL (EJECTA)	96640.0	CU-IN	58	101N	- APPARENT CTR DEPTH	28.0000	IN	2
102N	- APPARENT CTR RADIUS	44.0000	IN	2	103N	- APPARENT CTR VOLUME	96640.0	CU-IN	55
104N	- TRUE CRATER DEPTH	48.0000	IN	1	105N	- TRUE CRATER RADIUS	44.0000	IN	1
106N	- TRUE CRATER VOLUME	116000.0	CU-IN	1	107N	- FARTH CRATER VOLUME	73400.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	42600.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	.500000	IN	12
111N	- FALL-BACK VOLUME	19360.0	CU-IN	57	225A	- CRATER TYPE (WFS)	STANDARD		14

RECORD NO. 77 FDOT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	19360.0	CU-IN	60
114N	- V EARTH REMOVED (P)	201000.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	7526.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	57600.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	54040.0	CU-IN	65
122N	- V EARTH REPL (SP)	73400.0	CU-IN	66	123N	- V EARTH REPL (P)	297700.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	288.000	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	51510.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	80300.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 2 FEB 1971, BY THE AFML.
 SLAB NO. S24E3 STATION 01+51 30 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 78 3 F SUMNER F7 05.30.75 09.17.75 15 LB. C4, 50 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
1N	EXPLOSIVE WEIGHT	15.0000	LRS	1	2N	EXPLOSIVE DENSITY	-578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000		10	5N	DEVICE WEIGHT	15.0000	LRS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	50.0000	IN	1
9N	IMPACT ORLIQUITY	.0	DEGREES	10	10N	IN. POS. FR LONG FDG	60.0000	IN	2
11N	IN. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	-874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	-630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	RFINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
270A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
61N	SJB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SOIL CLASS	SMSC		13	99N	SURFACE CTR RADIUS	74.1600	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	.0	IN	2
98N	CRATER ASPECT RATIO	.970000		29	103N	APPARENT CTR VOLUME	.0	CU-IN	55
100N	RUBBLE VOL (EJECTA)	.0	CU-IN	58	105N	TRUE CRATER RADIUS	68.0000	IN	1
102N	APPARENT CTR RADIUS	68.0000	IN	1	107N	EARTH CRATER VOLUME	120600.	CU-IN	1
104N	TRUE CRATER DEPTH	72.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	3.00000	IN	12
106N	TRUE CRATER VOLUME	223500.	CU-IN	1	225A	CRATER TYPE (MES)	CAMD-SPALL		14
108N	PAVEMENT CTR VOLUME	102900.	CU-IN	1					
111N	FALL-BACK VOLUME	223500.	CU-IN	57					

RECORD NO. 78 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	102900.			113N	- V EARTH REMOVED (SP)	223500.		60
114N	- V EARTH REMOVED (P)	617600.			115N	- NO. SLABS REPL (E)	1.00000	CU-IN	51
116N	- NO. SLABS REPL (SP)	3.00000			117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	40320.0			119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	115200.			121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	120600.			123N	- V EARTH REPL (P)	617600.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0			125N	- PAV REMOVAL AREA (SP)	71700.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	100500.							
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 59
 CU-IN
 64
 CU-IN
 52
 SQ-IN
 61
 SQ-IN
 63
 CU-IN
 66
 SQ-IN
 4
 SQ-IN
 56

*** EXTRA INFORMATION ***
 99
 AFMLTR7261
 FT SUMMER
 10

TEST PERFORMED AT FT SUMMER, NM ON 2 FEB 1971, BY THE AFML. OF
 SLAB NO. S21ES STATION 02+11 50 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

RECORD NO. 79
 TEST SITE NO. 4
 TEST DATE 05.30.75
 CREATION DATE 09.17.75
 DATE LAST UPDATED 10.03.75
 COMMENTS 15 LB. C4, 10 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	10.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASEF TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
61N	THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SOIL CLASS	SMSC		13	99N	SURFACF CTR RADIUS	49.3200	IN	29
R1N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	20.0000	IN	2
99N	CRATER ASPCT RATIO	.790000		29	103N	APPARENT CTR VOLUME	59610.0	CU-IN	55
100N	RUBBLE VOL (EJECTA)	59610.0	CU-IN	58	105N	TRUE CRATER RADIUS	42.0000	IN	1
102N	APPARENT CTR RADIUS	42.0000	IN	1	107N	FARTH CRATER VOLUME	56000.0	CU-IN	1
104N	TRUE CRATER DEPTH	40.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	3.50000	IN	12
106N	TRUE CRATER VOLUME	94800.0	CU-IN	1	225A	CRATER TYPE (MES)	STANDARD		14
108N	PAVEMENT CTR VOLUME	38800.0	CU-IN	1					
111N	FALL-BACK VOLUME	35190.0	CU-IN	57					

RECORD NO. 79 FOOT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (F)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	35190.0	CU-IN	60
114N	- V EARTH REMOVED (P)	140500.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	6983.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	20810.0	CU-IN	65
122N	- V EARTH REPL (SP)	56000.0	CU-IN	66	123N	- V EARTH REPL (P)	200100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	23260.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	80860.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99					
228A	- TEST SITE	FT SUMNER		10					
		*** REPAIR DATA ***							
		*** EXTRA INFORMATION ***							
		227A - EST DATA RELIABILITY							99
		GOOD							

TEST PERFORMED AT FT SUMNER, NM ON 4 FEB 1971, BY THE AFML.
 SLAB NO. N36E3 STATION L3+46 30 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 80 4 F SUMNER F9 05.30.75 09.17.75 15 LB. C4, 30 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	30.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT. EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.530000E+07	PSI	10
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	RASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	120.000	IN	10	222A	SURBASE TYPE	M-S-C SAND		10
223A	SURBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	1.00000		29	99N	SURFACE CTR RADIUS	47.7600	IN	29
100N	RJBBLE VOL (EJECTA)	17820C.		58	101N	APPARENT CTR DEPTH	30.0000	IN	2
102N	APPARENT CTR RADIUS	59.0000	CU-IN	2	103N	APPARENT CTR VOLUME	178200.	CU-IN	55
104N	TRUE CRATER DEPTH	48.0000	IN	1	105N	TRUE CRATER RADIUS	59.0000	IN	1
106N	TRUE CRATER VOLUME	18770C.	CU-IN	1	107N	EARTH CRATER VOLUME	112400.	CU-IN	1
108N	PAVEMENT CTR VOLUME	75200.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	12
111N	FALL-BACK VOLUME	9524.00	CU-IN	57	225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 80 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0			113N	- V EARTH REMOVED (SP)	9524.00	CU-IN	60
114N	- V EARTH REMOVED (P)	174800.			115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	2.00000			117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	10978.0			119N	- PAV REPAIR AREA (SP)	57600.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0			121N	- V EARTH REPL (E)	103000.	CU-IN	65
122N	- V EARTH REPL (SP)	112400.			123N	- V EARTH REPL (P)	353000.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0			125N	- PAV REMOVAL AREA (SP)	46860.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	75660.0							
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 52
 SQ-IN 61
 CU-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFHLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 8 FEB 1971, BY THE AFWL.
 SLAB NO. N20E4 STATION 10+25 40 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE DATE UPDATED

 81 3 F SUMNER F11 05.30.75 09.17.75 15 LB. C4, 90 IN. D08 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000		10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	90.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	14. POS. FR LONG EDG	60.0000	IN	2
11N	14. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUR. THICKNESS	120.000	IN	10	222A	SUBBASE TYPE	M-S-C SAND		10
223A	SUBBASE SCIL CLASS	SMSC		13					
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
98N	CRATER ASPECT RATIO	11.5600		29	99N	SURFACE CTR RADIUS	9.00000	IN	29
100N	RUBBLE VOL (EJECTA)	1070.00	CU-IN	58	101N	APPARENT CTR DEPTH	7.00000	IN	2
102N	APPARENT CTR RADIUS	9.00000	IN	2	103N	APPARENT CTR VOLUME	1070.00	CU-IN	55
104N	TRUE CRATER DEPTH	104.000	IN	1	105N	TRUE CRATER RADIUS	27.0000	IN	1
106N	TRUE CRATER VOLUME	111900.	CU-IN	1	107N	EARTH CRATER VOLUME	110100.	CU-IN	1
108N	PAVEMENT CTR VOLUME	18000.00	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	12.0000	IN	12
111N	FALL-BACK VOLUME	110800.	CU-IN	57	225A	CRATER TYPE (MES)	CAMD-HEAVE		14

RECORD NO. 81 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	729.800	CU-IN	59	113N	- V EARTH REMOVED (SP)	110800.	CU-IN	60
114N	- V EARTH REMOVED (P)	964400.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000	CU-IN	52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	33980.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	115200.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	110100.	CU-IN	66	123N	- V EARTH REPL (P)	965400.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	40320.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	86140.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	114900.	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	G000		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 4 FEB 1971, BY THE AFML.
 SLAB NO. N40E2 STATION 14+26 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 --- F SUMMER F12 05.30.75 09.17.75 15 LB. C4, 110 IN. DOB 7-00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
82	3	F SUMMER	F12	05.30.75	09.17.75	15 LB. C4, 110 IN. DOB	7-00 IN	PAVEMENT	
*** WEAPON DATA ***									
1N	-	EXPLOSIVE WEIGHT	LBS	15.0000	1	2N	-	EXPLOSIVE DENSITY	578000E-01
4N	-	LENGTH/DIAMETER (WH)	IN	1.67000	10	5N	-	DEPTH OF BURST	15.0000
6N	-	AVG CASE THICKNESS	IN	.0	10	8N	-	IM. POS. FR LONG EDG	110.0000
9N	-	IMPACT OBLIQUITY	DEGREES	.0	10	10N	-	IMPACT VELOCITY	60.0000
11N	-	IM. POS. FR SHRT EDG	IN	120.000	2	12N	-	EXPLOSIVE NAME	COMP C4
13N	-	TNT EQUIVALENT EXPL.	LBS	16.3800	98	211A	-	FUZING	B+PC
212A	-	EMPLACEMENT	HAND		10	213A	-		
*** PAVEMENT DATA ***									
21N	-	PAVEMENT THICKNESS	IN	7.00000	1	22N	-	SLAB AREA	28800.0
23N	-	SLAB ASPECT RATIO		.500000	10	24N	-	PAV. COMP. MODULUS	.874000E-01
25N	-	PENT. COMP. STRENGTH	PSI	10520.0	13	26N	-	REBAR DENSITY	.630000E+07
30N	-	PENT. HOLE DIAMETER	IN	6.00000	10	31N	-	TEST AREA WIDTH	.0
38N	-	TEST AREA LENGTH	FEET	1800.00	10	39N	-	REINFORCEMENT	75.0000
214A	-	PAVEMENT TYPE	PCC		10	215A	-	OVERLAYMENT	NONE
217A	-	AGE CONSTRUCTION	POURED		10	218A	-	PAVEMENT DESIGN	NONE
201A	-	BASE TYPE	NONE		10	202A	-		SLABS
*** SUBBASE DATA ***									
61N	-	SUB. THICKNESS	IN	120.000	10	222A	-	SUBBASE TYPE	M-S-C SAND
223A	-	SUBBASE SOIL CLASS	SMSC		13				
*** SOIL DATA ***									
81N	-	SOIL THICKNESS	IN	36.0000	10	224A	-	SOIL CLASSIFICATION	SPSM
*** CRATER DATA ***									
98N	-	CRATER ASPECT RATIO		33.3200	29	99N	-	SURFACE CTR RADIUS	3.00000
100N	-	RUBBLE VOL (EJECTA)	CU-IN	169.600	58	101N	-	APPARENT CTR DEPTH	7.00000
102N	-	APPARENT CTR RADIUS	IN	3.00000	2	103N	-	APPARENT CTR VOLUME	169.600
104N	-	TRUE CRATER DEPTH	IN	124.000	1	105N	-	TRUE CRATER RADIUS	32.0000
106N	-	TRUE CRATER VOLUME	CU-IN	89400.0	1	107N	-	EARTH CRATER VOLUME	89200.0
108N	-	PAVEMENT CTR VOLUME	CU-IN	200.000	1	110N	-	MAX UPHEAVAL HEIGHT	12.0000
111N	-	FALL-BACK VOLUME	CU-IN	89230.0	57	225A	-	CRATER TYPE (WES)	CAMD-HEAVE

RECORD NO. 82 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	30.3500	CU-IN	59	113N	- V EARTH REMOVED (SP)	89230.0	CU-IN	60
114N	- V EARTH REMOVED (P)	.130000E+07	CU-IN	54	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	43200.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	57600.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	89200.0	CU-IN	66	123N	- V EARTH REPL (P)	.130000E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	28800.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	57570.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	86370.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 30.3500 CU-IN 59
 .130000E+07 CU-IN 54
 2.00000 52
 43200.0 SQ-IN 61
 86400.0 SQ-IN 63
 89200.0 CU-IN 66
 28800.0 SQ-IN 4
 86370.0 SQ-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 1 FEB 1971, BY THE AFML.
 SLAB NO. S01E2 STATION 06+10 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NC. SITE NO. DATE UPDATED
 83 3 F SUMNER F13 05.30.75 09.17.75 15 LB. C4, 50 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	50.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING	B+PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SO-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	120.000	IN	10	222A	- SUBBASE TYPE	M-S-C SAND		10
223A	- SUBBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	.820000		29	99N	- SURFACE CTR RADIUS	86.8800	IN	29
100N	- RUBBLE VOL (EJECTA)	.0	CU-IN	58	101N	- APPARENT CTR DEPTH	.0	IN	2
102N	- APPARENT CTR RADIUS	84.0000	IN	2	103N	- APPARENT CTR VOLUME	.0	CU-IN	55
104N	- TRUE CRATER DEPTH	72.0000	IN	1	105N	- TRUE CRATER RADIUS	94.0000	IN	1
106N	- TRUE CRATER VOLUME	23890.0	CU-IN	1	107N	- FATH CRATER VOLUME	83700.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	155200.0	CU-IN	1	110N	- MAX JPHEAVAL HEIGHT	1.00000	IN	12
111N	- FALL-BACK VOLUME	238900.0	CU-IN	57	225A	- CRATER TYPE (MES)	CAMO-SPALL		14

RECORD NO. 83 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	155200.	CU-IN	59	113N	- V EARTH REMOVED (SP)	238900.	CU-IN	60
114N	- V EARTH REMOVED (P)	557400.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000	CU-IN	52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	37440.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	115200.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	83700.0	CU-IN	66	123N	- V EARTH REPL (P)	557400.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	64230.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	93030.0	SQ-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	AFWLR7261		99					
		FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 10 FEB 1971, BY THE AFML.
 SLAB NO. N09E5 STATION 08+05 50 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

15 LB. C4; 90 IN. D08 7.00 IN PAVEMENT

RECORD REV. TEST SIF CREATION DATE LAST DATE UPDATED

84 3 F SUMNER F15 05.30.75 09.17.75

KEY TYPE - NAME VALUE UNITS REF

IN - EXPLOSIVE WEIGHT 15.0000 LBS *** WEAPON DATA ***

4N - LENGTH/DIAMETER (MM) 1.67000 IN 10

6N - AVG CASE THICKNESS .0 DEGREES 10

9N - IMPACT OBLIQUITY .0 IN 2

11N - IM. POS. FR SHRT EDG 120.000 LBS 98

13N - TNT EQUIVALENT EXPL. 16.3800 HAND 10

212A - EMBLACEMENT

21N - PAVEMENT THICKNESS 7.00000 IN *** PAVEMENT DATA ***

23N - SLAB ASPECT RATIO .500000 PSI 10

25N - PAV. COMP. STRENGTH 10520.0 IN 13

30N - PENT. HOLE DIAMETER 6.00000 IN 10

38N - TEST AREA LENGTH 1800.00 FEET 10

214A - PAVEMENT TYPE PCC 10

217A - AGE OLD 10

201A - PAV CONSTRUCTION POURED 10

220A - BASE TYPE NONE *** BASE DATA ***

61N - SUB. THICKNESS 120.000 IN *** SUBBASE DATA ***

223A - SURBASE SOIL CLASS SMSC 10 13

61N - SOIL THICKNESS 36.0000 IN *** SOIL DATA ***

98N - CRATER ASPECT RATIO 19.4300 *** CRATER DATA ***

100N - R/RABLE VOL (EJECTA) 883.300 CU-IN 29

102N - APPARENT CTR RADIUS 8.00000 IN 58

104N - TRUE CRATER DEPTH 154.000 IN 1

106N - TRUE CRATER VOLUME 74800.0 CU-IN 1

108N - PAVEMENT CTR VOLUME 1400.00 CU-IN 1

111N - FALL-BACK VOLUME 73920.0 CU-IN 57

22N - EXPLOSIVE DENSITY 28800.0 SQ-IN

5N - DEVICE WEIGHT 15.0000 LB/CU-IN

8N - DEPTH OF BURST 90.0000 IN

10N - IM. POS. FR LONG EDG 60.0000 IN

12N - IMPACT VELOCITY .0 FT/SEC

211A - EXPLOSIVE NAME COMP C4

213A - FUZING R+PC

22N - SLAB AREA 28800.0 SQ-IN

24N - PAVEMENT DENSITY .874000E-01 LB/CU-IN

26N - PAV. COMP. MODULUS .630000E+07 PSI

31N - REBAR DENSITY .0 IN/SQ-IN

39N - TEST AREA WIDTH 75.0000 FEET

215A - REINFORCEMENT NONE

218A - OVERLAYMENT NONE

202A - PAVEMENT DESIGN SLABS

222A - SUBBASE TYPE M-S-C SAND

224A - SOIL CLASSIFICATION SP-SH

99N - SURFACE CTR RADIUS 7.92000 IN

101N - APPARENT CTR DEPTH 7.00000 IN

103N - APPARENT CTR VOLUME 883.300 CU-IN

105N - TRUE CRATER RADIUS 24.0000 IN

107N - EARTH CRATER VOLUME 73400.0 CU-IN

110N - MAX UPHEAVAL HEIGHT 7.00000 IN

225A - CRATER TYPE (MES) CAMD-HEAVE

RECORD NO. 84 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	516.700	CU-IN	59	113N	- V EARTH REMOVED (SP)	73920.0	CU-IN	60
114N	- V EARTH REMOVED (P)	.246500E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	33120.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	73400.0	CU-IN	66	123N	- V EARTH REPL (P)	.246600E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	14400.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	86200.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	86200.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 8 FEB 1971, BY THE AFWL.
 SLAB NO. N17E6 STATION 09+65 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE NO. OATE UPDATED
 --- -- -- -- -- -- -- -- -- -- -- -- --
 85 3 F SUMNER F16 05.30.75 09.17.75 15 LB. C+ 110 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	110.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
		*** PAVEMENT DATA ***							
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	10
30N	TEST AREA LENGTH	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA WIDTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
		*** BASE DATA ***							
220A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
		*** SUBBASE DATA ***							
61N	SUB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SCIL CLASS	SMSC		13					
		*** SOIL DATA ***							
81N	SOIL THICKNESS	36.0000	IN	10					
		*** CRATER DATA ***							
98N	CRATER ASPECT RATIO	17.7200		29	99N	SURFACE CTR RADIUS	6.48000	IN	29
100N	RUBBLE VOL (EJECTA)	718.400	CU-IN	58	101N	APPARENT CTR DEPTH	7.00000	IN	2
102N	APPARENT CTR RADIUS	7.00000	IN	2	103N	APPARENT CTR VOLUME	718.400	CU-IN	55
104N	TRUE CRATER DEPTH	116.000	IN	1	105N	TRUE CRATER RADIUS	29.0000	IN	1
106N	TRUE CRATER VOLUME	116.000	CU-IN	1	107N	EARTH CRATER VOLUME	115500.	CU-IN	1
108N	PAVEMENT CTR VOLUME	900.000	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	11.5000	IN	12
111N	FALL-BACK VOLUME	115700.	CU-IN	57	225A	CRATER TYPE (WES)	CAMD-HEAVF		14

RECORD NO. 85 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	181.600	CU-IN	59	113N	- V FARTH REMOVED (SP)	115700.	CU-IN	60
114N	- V EARTH REMOVED (P)	-124300E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	1.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	32400.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	28800.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	115500.	CU-IN	66	123N	- V FARTH REPL (P)	*124400E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	14400.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	28670.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	86270.0	SQ-IN	56					
226A	- DATA SOURCE	AFWLR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** PPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 9 FEB 1971, BY THE AFML.
 SLAB NO. N27E2 STATION 11+66 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE DATE UPDATED

 86 4 F SUMNER F17 05.30.75 09.17.75 15 LB. C4. 10 IN. D08 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	IN - EXPLOSIVE WEIGHT	15.0000	LRS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
	4N - LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEPTH OF BURST	15.0000	LBS	10
	6N - AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	10.0000	IN	1
	9N - IMPACT OBLIQUITY	.0	DEGRFES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
	11N - IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
	13N - TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
	212A - EMPLACEMENT	HAND		10	215A	FUZZING	B*PC		10
	21N - PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
	23N - SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
	25N - PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
	30N - PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
	38N - TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
	214A - PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
	217A - AGE	OLD		10	218A	OVERLAYMENT	NONE		10
	201A - PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
	220A - BASE TYPE	NONE		10					
	61N - SUB. THICKNESS	120.000	IN	10	222A	SUBBASE TYPE	M-S-C SAND		10
	223A - SUBBASE SOIL CLASS	S*SC		13					
	81N - SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPS#		13
	98N - CRATER ASPECT RATIO	.930000		29					
	100N - RUBBLE VOL (EJECTA)	12760.0	CU-IN	58	99N	SURFACE CTR RADIUS	46.9200	IN	29
	102N - APPARENT CTR RADIUS	45.0000	IN	2	101N	APPARENT CTR DEPTH	4.00000	IN	2
	104N - TRUE CRATER DEPTH	43.0000	IN	1	103N	APPARENT CTR VOLUME	12760.0	CU-IN	55
	106N - TRUE CRATER VOLUME	134300.	CU-IN	1	105N	TRUE CRATER RADIUS	45.0000	IN	1
	108N - PAVEMENT CTR VOLUME	44500.0	CU-IN	1	107N	EARTH CRATER VOLUME	89800.0	CU-IN	1
	111N - FALL-BACK VOLUME	121500.	CU-IN	57	110N	MAX UPHEAVAL HEIGHT	1.30000	IN	12
					225A	CRATER TYPE (WES)	STANDARD		14

RECORD NO. 86 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	31740.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	121500.	CU-IN	60
114N	- V EARTH REMOVED (P)	312700.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	2400000	SQ-IN	52	117N	- NO. SLABS REPL (P)	3000000	SQ-IN	53
118N	- PAV REPAIR AREA (E)	7709.00	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	576000.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	89800.0	CU-IN	66	123N	- V EARTH REPL (P)	325500.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	512400.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	80040.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 8 FEB 1971, BY THE AFML.
 SLAB NO. S26E2 STATION 01+11 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 87 REV. NO. 3 TEST SITE F SUMNER TEST NO. F18 CREATION DATE 09.17.75 DATE LAST UPDATED 09.17.75 COMMENT: 15 LB. C4, 30 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	30.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10	222A	SURBASE TYPE	M-S-C SAND		10
61N	SJB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SJBURASE SCIL CLASS	SM SC		13	99N	SURFACE CTR RADIUS	19.6000	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	20.0000	IN	2
98N	CRATER ASPECT RATIO	1.53000		29	103N	APPARENT CTR VOLUME	76570.0	CU-IN	55
100N	RUBBLE VOL (EJECTA)	76570.0	CU-IN	58	105N	TRUE CRATER RADIUS	48.0000	IN	1
102N	APPARENT CTR RADIUS	48.0000	IN	2	107N	EARTH CRATER VOLUME	207600.	CU-IN	1
104N	TRUE CRATER DEPTH	61.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	2.50000	IN	12
106N	TRUE CRATER VOLUME	258300.	CU-IN	1	225A	CRATER TYPE (WFS)	STANDARD		14
108N	PAVEMENT CTR VOLUME	50700.0	CU-IN	1					
111N	FALL-BACK VOLUME	181700.	CU-IN	57					

RECORD NO. 87 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	181700.	CU-IN	60
114N	- V EARTH REMOVED (P)	523500.	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	9835.00	SO-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SO-IN	63	121N	- V EARTH REPL (E)	25870.0	CU-IN	65
122N	- V EARTH REPL (SP)	207600.	CU-IN	66	123N	- V EARTH REPL (P)	600100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	79160.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	79160.0	SO-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SO-IN 61
 SO-IN 63
 CU-IN 66
 SO-IN 4
 SO-IN 56

*** EXTRA INFORMATION ***
 AFWLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 11 FEB 1971, BY THE AFWL.
 SLAB NO. S31E4 STATION 00+10 40 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 88 4 F SUMNER F19 05.30.75 09.17.75 15 LB. C4, 40 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	40.0000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.50000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
61N	SUB. THICKNESS	120.000	IN	10	224C	SOIL CLASSIFICATION	SPSM		13
223A	SUBBASE SOIL CLASS	SMSC		13	99N	SURFACE CTR RADIUS	62.6400	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	24.0000	IN	2
99N	CRATER ASPECT RATIO	.920000		29	103N	APPARENT CTR VOLUME	94100.0	CU-IN	55
100N	RJBLE VOL (EJECTA)	94100.0	CU-IN	58	105N	TRUE CRATER RADIUS	48.0000	IN	1
102N	APPARENT CTR RADIUS	48.0000	IN	2	107N	EARTH CRATER VOLUME	139800.	CU-IN	1
104N	TRUE CRATER DEPTH	58.0000	IN	1	110N	MAX UPHEAVAL HEIGHT	6.00000	IN	12
106N	TRUE CRATER VOLUME	189400.	CU-IN	1	225A	CRATER TYPE (MES)	STANDARD		14
108N	PAVEMENT CTR VOLUME	49600.0	CU-IN	1					
111N	FALL-BACK VOLUME	95300.0	CU-IN	57					

RECORD NO. 88 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	311100.	CU-IN	59	113N	- V EARTH REMOVED (SP)	95300.0	CU-IN	60
114N	- V EARTH REMOVED (P)	3.00000	CU-IN	64	115N	- NO. SLABS REPL (E)	.0		51
116N	- NO. SLABS REPL (SP)	14570.0	CU-IN	52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	86400.0	CU-IN	63	119N	- PAV REPAIR AREA (SP)	86400.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	139800.	CU-IN	66	121N	- V EARTH REPL (E)	44500.0	CU-IN	65
122N	- V EARTH REPL (SP)	2592.00	SO-IN	4	123N	- V EARTH REPL (P)	405100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	79300.0	SO-IN	56	125N	- PAV REMOVAL AREA (SP)	79310.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)								
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 52
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 99
 10
 AFWLTR7261
 FT SUMNER

TEST PERFORMED AT FT SUMNER, NM ON 11 FEB 1971, BY THE AFWL.
 SLAB NO. N03E6 STATION 06+85 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

89 4 F SUMNER F21 65.30.75 09.17.75 15 LB. C4, 70 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.67000	IN	10	5N	- DEVICE WEIGHT	15.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	70.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- ENPLACEMENT	HAND		10	213A	- FUZING	B+PC		10
*** PAVEMENT DATA ***									
2IN	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	6.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	120.000	IN	10	222A	- SUBBASE TYPE	M-S-C SAND		10
223A	- SUBBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	10	224A	- SOIL CLASSIFICAT ION	SPSM		13
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	.920000		29	99N	- SURFACE CTR RADIUS	93.0000	IN	29
100N	- RURBLE VOL (EJECTA)	.0	CU-IN	58	101N	- APPARENT CTR DEPTH	.0	IN	2
102N	- APPARENT CTR RADIUS	120.000	IN	2	103N	- APPARENT CTR VOLUME	.0	CU-IN	55
104N	- TRUE CRATER DEPTH	86.0000	IN	1	105N	- TRUE CRATER RADIUS	120.000	IN	1
106N	- TRUE CRATER VOLUME	990000.0	CU-IN	1	107N	- EARTH CRATER VOLUME	701700.0	CU-IN	1
108N	- PAVEMENT CTR VOLUME	281300.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	6.00000	IN	12
111N	- FALL-BACK VOLUME	990000.0	CU-IN	57	225A	- CRATER TYPE (WES)	CAMN-SPALL		14

RECORD NO. 89 EDIT NO. 23 CONTINUED.

PAGE 2

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	281300.	CU-IN	59	113N	- V EARTH REMOVED (SP)	990000.	CU-IN	60
114N	- V EARTH REMOVED (P)	.341800E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	34850.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	139800.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	701700.	CU-IN	66	123N	- V EARTH REPL (P)	.341800E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	2880.00	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	46210.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	103800.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SQ-IN

*** EXTRA INFORMATION ***
 AFWLTR7261
 FT SUMNER

TEST PERFORMED AT FT SUMNER, NM ON 16 FEB 1971, BY THE AFWL.
 SLAB NO. N38E6 STATION 13+86 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 90
 REV. NO. 4
 TEST SITE F3A
 TEST NO. F3A
 CREATION DATE 05-30-75
 DATE LAST UPDATED 09-17-75
 COMMENTS
 15 LB. C4, 110 IN. D08 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.67000	IN	10	5N	DEVICE WEIGHT	15.0000	LRS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	110.000	IN	1
9N	IMPACT OBLIQUITY	.0	DEGREES.	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	6.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** PAVEMENT DATA ***									
220A	BASE TYPE	NONE		10	222A	SUBBASE TYPE	M-S-C SAND		10
61N	SUB. THICKNESS	120.000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
223A	SURBASE SOIL CLASS	SMSC		13	99N	SURFACE CTR RADIUS	42.0000	IN	29
81N	SOIL THICKNESS	36.0000	IN	10	101N	APPARENT CTR DEPTH	7.00000	IN	2
98N	CRATER ASPECT RATIO	2.66000		29	103N	APPARENT CTR VOLUME	1.9580.0	CU-IN	55
100N	RUBBLE VOL (EJECTA)	19580.0	CU-IN	58	105N	TRUE CRATER RADIUS	42.0000	IN	1
102N	APPARENT CTR RADIUS	47.0000	IN	2	107N	EARTH CRATER VOLUME	98000.0	CJ-IN	1
104N	TRUE CRATER DEPTH	112.000	IN	1	110N	MAX UPHEAVAL HEIGHT	12.0000	IN	12
106N	TRUE CRATER VOLUME	136800.	CU-IN	1	225A	CRATER TYPE (MES)	CAMN-SPALL		14
108N	PAVEMENT CTR VOLUME	38800.0	CU-IN	1					
111N	FALL-BACK VOLUME	117200.	CU-IN	57					

REC'D NO. 90 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	19220.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	117200.0	CU-IN	60
114N	- V EARTH REMOVED (P)	156100F+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	2.00000		52	117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	28800.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	57600.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	98000.0	CU-IN	66	123N	- V EARTH REPL (P)	158100E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	7200.00	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	52060.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	80860.0	SQ-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 19220.0 CU-IN 59
 156100F+07 CU-IN 64
 2.00000 52
 28800.0 SQ-IN 61
 86400.0 SQ-IN 63
 98000.0 CU-IN 66
 7200.00 SQ-IN 4
 80860.0 SQ-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 4 FEB 1971, BY THE AFML.
 SLAB NO. N54E5 STATION 17+06 50 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. NO. TEST SITE CREATION DATE TEST NO. DATE LAST UPDATED COMMENTS

91 3 F SUMNER F40 05.30.75 09.17.75 25 LB. C4, 34 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	34.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMBLACEMENT	HAND		10	213A	- FUZING	B+PC		10
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	9.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	120.000	IN	10	222A	- SUBBASE TYPE	M-S-C SAND		10
223A	- SURBASE SOIL CLASS	SMSC		13					
81N	- SOIL THICKNESS	36.0000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
98N	- CRATER ASPECT RATIO	.860000		29	99N	- SURFACE CTR RADIUS	71.5200	IN	29
100N	- RUBBLE VOL (EJECTA)	189500.	CU-IN	58	101N	- APPARENT CTR DEPTH	27.0000	IN	2
102N	- APPARENT CTR RADIUS	65.0000	IN	2	103N	- APPARENT CTR VOLUME	189500.	CU-IN	55
104N	- TRUE CRATER DEPTH	62.0000	IN	1	105N	- TRUE CRATER RADIUS	65.0000	IN	1
106N	- TRUE CRATER VOLUME	249400.	CU-IN	1	107N	- EARTH CRATER VOLUME	157900.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	91500.0	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	2.50000	IN	12
111N	- FALL-RACK VOLUME	59910.0	CU-IN	5	225A	- CRATER TYPE (MES)	STANDARD		14

RECORD NO. 91 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0			113N	- V EARTH REMOVED (SP)	59910.0	CU-IN	60
114N	- V EARTH REMOVED (P)	339600.			115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000			117N	- NO. SLABS REPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	33120.0	SO-IN		119N	- PAV REPAIR AREA (SP)	86400.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SO-IN		123N	- V EARTH REPL (E)	98000.0	CU-IN	65
122N	- V EARTH REPL (SP)	157900.	CU-IN		125N	- V EARTH REPL (P)	529100.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0				- PAV REMOVAL AREA (SP)	73330.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	73330.0	SO-IN						
*** REPAIR DATA ***									
			CU-IN	59					
			CU-IN	64					
				52					
			SO-IN	61					
			SO-IN	63					
			CU-IN	66					
			SO-IN	4					
			SO-IN	56					
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

TEST PERFORMED AT FT SUMNER, NM ON 17 FEB 1971, BY THE AFWL - OF
 SLAB NO. M57E6 STATION 17+66 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TFST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 92 4 F SUMMER F41 05.30.75 07.17.75 25 LB. C4; 68 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
1N	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	68.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMBLACEMENT	HAND		10	213A	- FUZING	B+PC		10
		*** PAVEMENT DATA ***							
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	9.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
		*** BASE DATA ***							
220A	- BASE TYPE	NONE		10	222A	- SURBASE TYPE	M-S-C SAND		10
		*** SUBBASE DATA ***							
61N	- SUB. THICKNESS	120.000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
223A	- SUBBASE SOIL CLASS	SMSC		13					
		*** SOIL DATA ***							
81N	- SOIL THICKNESS	36.0000	IN	10					
		*** CRATER DATA ***							
98N	- CRATER ASPECT RATIO	1.62000		29	99N	- SURFACE CTR RADIUS	73.6800	IN	29
100N	- RURBLE VOL (EJECTA)	48080.0	CU-IN	58	101N	- APPARENT CTR DEPTH	7.00000	CU-IN	2
102N	- APPARENT CTR RADIUS	66.0000	IN	2	103N	- APPARENT CTR VOLUME	48080.0	CU-IN	55
104N	- TRUE CRATER DEPTH	95.0000	IN	1	105N	- TRUE CRATER RADIUS	66.0000	IN	1
106N	- TRUE CRATER VOLUME	221300.	CU-IN	1	107N	- EARTH CRATER VOLUME	125500.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	95800.0	CU-IN	1	110N	- MAX JPHEAVL HEIGHT	5.50000	IN	12
111N	- FALL-BACK VOLUME	173200.	CU-IN	57	225A	- CRATER TYPE (MFS)	CAMD-SPALL		14

RECORD NO. 92 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	47720.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	173200.	CU-IN	60
114N	- V EARTH REMOVED (P)	.109900E+07	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	41760.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	115200.	SQ-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	125500.	CU-IN	66	123N	- V EARTH REPL (P)	.114700F+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	14400.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	72710.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	101510.	SQ-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 19 FEB 1971, BY THE AFWL.
 SLAB NO. N43E4 STATION 14+86 40 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. 93 TEST SITE F42 F SUMMER
 CREATION DATE 05.30.75 DATE LAST UPDATED 09.17.75
 COMMENTS: 25 LB. C4, 103 IN. DOB 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	RCF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	1.75000	IN	10	5N	DEVICE WEIGHT	25.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	103.000	IN	1
9N	IMPACT OBliquITY	.0	DEGREES	10	10N	IM. POS. FR LONG EDG	60.0000	IN	2
11N	IM. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	B+PC		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	9.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	120.000	IN	10	222A	SUBBASE TYPE	M-S-C SAND		10
223A	SUBBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	CRATER ASPECT RATIO	2.06000		29	99N	SURFACE CTR RADIUS	63.9600	IN	29
100N	RUBBLE VOL (EJECTA)	43820.0	CU-IN	58	101N	APPARENT CTR DEPTH	7.00000	IN	2
102N	APPARENT CTR RADIUS	63.0000	IN	2	103N	APPARENT CTR VOLUME	43820.0	CU-IN	55
104N	TRUE CRATER DEPTH	132.000	IN	1	105N	TRUE CRATER RADIUS	63.0000	IN	1
106N	TRUE CRATER VOLUME	167800.	CU-IN	1	107N	EARTH CRATER VOLUME	80600.0	CU-IN	1
108N	PAVEMENT CTR VOLUME	87200.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	3.00000	IN	12
111N	FALL-BACK VOLUME	124000.	CU-IN	57	225A	CRATER TYPF (MES)	CAMO-SPALL		14

RECORD NO. 93 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	43380.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	124000.	CU-IN	60
114N	- V EARTH REMOVED (P)	889100.	CU-IN	64	115N	- NO. SLABS REPL (E)	1-00000		51
116N	- NO. SLABS REPL (SP)	2-00000		52	117N	- NO. SLABS REPL (P)	5-00000		53
118N	- PAV REPAIR AREA (E)	44352.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	57600.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	144000.	CU-IN	63	121N	- V EARTH REPL (E)	.0	CU-IN	65
122N	- V EARTH REPL (SP)	80600.0	CU-IN	66	123N	- V EARTH REPL (P)	932900.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	16128.0	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	45140.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	131500.	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 CU-IN 63
 CU-IN 66
 SO-IN 4
 SO-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 23 FEB 1971, BY THE AFML.
 SLAB NO. N35E6 STATION 13+26 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

COMMENTS

RECORD REV. TEST CREATON DATE LAST
 NO. NO. SITE DATE UPDATED

94 3 F SUMNER F43 05.30.75 09.17.75 25 LB. C4. 34 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.75000		10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	34.0000	IN	1
9N	- IMPACT OBLIQUITY	.0	DEGREES	2	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	10	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMPLACEMENT	HAND		10	213A	- FUZING	B+PC		10

*** WEAPON DATA ***

KEY	TYPE - NAME	VALUE	UNITS	REF
21N	- PAVEMENT THICKNESS	7.00000	IN	1
23N	- SLAR ASPECT RATIO	.500000		10
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13
30N	- PENT. HOLE DIAMETER	9.00000	IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10
214A	- PAVEMENT TYPE	PCC		10
217A	- AGE	OLD		10
201A	- PAV CONSTRUCTION	POURED		10

*** PAVEMENT DATA ***

KEY	TYPE - NAME	VALUE	UNITS	REF
22N	- SLAR AREA	28800.0	SQ-IN	10
24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
31N	- REBAR DENSITY	.0	IN/SQ-IN	10
39N	- TEST AREA WIDTH	75.0000	FEET	10
215A	- REINFORCEMENT	NONE		10
218A	- OVERLAYMENT	NONE		10
202A	- PAVEMENT DESIGN	SLABS		10

*** BASE DATA ***

KEY	TYPE - NAME	VALUE	UNITS	REF
220A	- BASE TYPE	NONE		10

*** SUBBASE DATA ***

KEY	TYPE - NAME	VALUE	UNITS	REF
61N	- SUB. THICKNESS	120.000	IN	10
223A	- SUBBASE SCIL CLASS	SMSC		13

*** SOIL DATA ***

KEY	TYPE - NAME	VALUE	UNITS	REF
81N	- SOIL THICKNESS	36.0000	IN	10

*** CRATER DATA ***

KEY	TYPE - NAME	VALUE	UNITS	REF
98N	- CRATER ASPECT RATIO	.880000		29
100N	- RUBBLE VOL (EJECTA)	375700.	CU-IN	58
102N	- APPARENT CTR RADIUS	75.0000	IN	2
104N	- TRUE CRATER DEPTH	77.0000	IN	1
106N	- TRUE CRATER VOLUME	470800.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	123700.	CU-IN	1
111N	- FALL-BACK VOLUME	95150.0	CU-IN	57

*** SOIL CLASSIFICATION

KEY	TYPE - NAME	VALUE	UNITS	REF
222A	- SUBBASE TYPE	M-S-C SAND		10
224A	- SOIL CLASSIFICATION	SPSM		13

*** SURFACE CTR RADIUS

KEY	TYPE - NAME	VALUE	UNITS	REF
99N	- SURFACE CTR RADIUS	95.9200	IN	29
101N	- APPARENT CTR DEPTH	39.0000	IN	2
103N	- APPARENT CTR VOLUME	375700.	CU-IN	55
105N	- TRUE CRATER RADIUS	79.0000	IN	1
107N	- EARTH CRATER VOLUME	347100.	CU-IN	1
110N	- MAX UPHEAVAL HEIGHT	3.00000	IN	12
225A	- CRATER TYPE (WES)	STANDARD		14

RECORD NO. 94 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	95130.0	CU-IN	60
114N	- V EARTH REMOVED (P)	763100.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS RFPL (P)	3.00000		53
118N	- PAV REPAIR AREA (E)	34850.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	86400.0	SQ-IN	63	121N	- V EARTH REPL (E)	252000.	CU-IN	65
122N	- V EARTH REPL (SP)	347100.	CU-IN	66	123N	- V EARTH REPL (P)	.113900E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	.0	SQ-IN	4	125N	- PAV REMOVAL AREA (SP)	68730.0	SQ-IN	54
126N	- PAV REMOVAL AREA (P)	68730.0	SQ-IN	56					
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	6.000		99
228A	- TEST SITE								

*** REPAIR DATA ***
 CU-IN 59
 CU-IN 64
 SQ-IN 61
 SQ-IN 63
 CU-IN 66
 SQ-IN 4
 SQ-IN 56

*** EXTRA INFORMATION ***
 AFMLTR7261 99
 FT SUMNER 10

TEST PERFORMED AT FT SUMNER, NM ON 24 FEB 1971, BY THE AFWL.
 SLAB NO. N24E2 STATION 11+05 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO.	REV. NO.	TEST SITE	CREATION DATE	DATE LAST UPDATED	COMMENTS
95	3	F SUMNER	05.30.75	09.17.75	25 LB. C4.. 68 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	1.75000	IN	10	5N	- DEVICE WEIGHT	25.0000	LBS	10
6N	- AVG CASE THICKNESS	.0	IN	10	8N	- DEPTH OF BURST	68.0000	IN	1
9N	- IMPACT ORLQUITY	.0	DFGREES	10	10N	- IM. POS. FR LONG EDG	60.0000	IN	2
11N	- IM. POS. FR SHRT EDG	120.000	IN	2	12N	- IMPACT VELOCITY	.0	FT/SEC	10
13N	- TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	- EXPLOSIVE NAME	COMP C4		10
212A	- EMLACEMENT	HAND		10	213A	- FUZING	B+PC		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	7.00000	IN	1	22N	- SLAB AREA	28800.0	SQ-IN	10
23N	- SLAR ASPECT RATIO	.500000		10	24N	- PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10520.0	PSI	13	26N	- PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	- PENT. HOLE DIAMETER	9.00000	IN	10	31N	- REBAR DENSITY	.0	IN/SQ-IN	10
38N	- TEST AREA LENGTH	1800.00	FEET	10	39N	- TEST AREA WIDTH	75.0000	FEET	10
214A	- PAVEMENT TYPE	PCC		10	215A	- REINFORCEMENT	NONE		10
217A	- AGE	OLD		10	218A	- OVERLAYMENT	NONE		10
201A	- PAV CONSTRUCTION	POURED		10	202A	- PAVEMENT DESIGN	SLABS		10
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	120.000	IN	10	222A	- SUBBASE TYPE	M-S-C SAND		10
223A	- SUBBASE SOIL CLASS	SMSC		13					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	10	224A	- SOIL CLASSIFICATION	SPSM		13
*** CRATER DATA ***									
98N	- CRATER ASPECT RATIO	1.26000		29	99N	- SURFACE CTR RADIUS	75.7200	IN	29
100N	- RURBLE VOL (EJECTA)	120500.	CU-IN	58	101N	- APPARENT CTR DEPTH	15.0000	IN	2
102N	- APPARENT CTR RADIUS	71.0000	IN	2	103N	- APPARENT CTR VOLUME	120500.	CU-IN	55
104N	- TRUE CRATER DEPTH	96.0000	IN	1	105N	- TRUE CRATER RADIUS	71.0000	IN	1
106N	- TRUE CRATER VOLUME	415800.	CU-IN	1	107N	- EARTH CRATER VOLUME	304900.	CU-IN	1
108N	- PAVEMENT CTR VOLUME	110900.	CU-IN	1	110N	- MAX UPHEAVAL HEIGHT	6.00000	IN	12
111N	- FALL-BACK VOLUME	29530G.	CU-IN	57	225A	- CRATER TYPE (MES)	CAMD-SPALL		14

RECORD NO. 95 EDIT NO. 23 CONTINUED.

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KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF
112N	- V EARTH REMOVED (E)	.0			113N	- V EARTH REMOVED (SP)	295300.		60
114N	- V EARTH REMOVED (P)	.114300E+07	CU-IN	59	115N	- NO. SLABS REPL (F)	1.00000	CU-IN	51
116N	- NO. SLABS REPL (SP)	3.00000		54	117N	- NO. SLABS REPL (P)	5.00000		53
118N	- PAV REPAIR AREA (E)	37440.0	SO-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	14600.0	SO-IN	63	121N	- V EARTH REPL (E)	9643.00	CU-IN	65
122N	- V EARTH REPL (SP)	304900.	CU-IN	66	123N	- V EARTH REPL (P)	-126400E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	3168.00	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	70560.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	128200.	SO-IN	56					
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 24 FEB 1971, BY THE AFML.
 SLAB NO. N22E6 STATION 10+5. 60 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD NO. TEST SITE CREATION DATE LAST UPDATED COMMENTS

96 4 F SUMNER F46 05.30.75 09.17.75 25 LB. C4, 34 IN. DOR 7.00 IN PAVEMENT

KEY TYPE - NAME VALUE UNITS REF

IN - EXPLOSIVE WEIGHT 25.0000 LBS *** WFAFON DATA ***
4N - LENGTH/DIAMETER (HH) 1.75000 IN
6N - AVG CASE THICKNESS .0 IN
9N - IMPACT OBLIQUITY .0 DEGREES
11N - IM. POS. FR SHRT EDG 120.000 IN
13N - TNT EQUIVALENT EXPL. 27.3000 LBS
212A - EMPLACEMENT HAND

21N - PAVEMENT THICKNESS 7.00000 IN *** PAVEMENT DATA ***
23N - SLAB ASPECT RATIO .500000
25N - PAV. COMP. STRENGTH 10520.0 PSI
30N - PENT. HOLE DIAMETER 9.00000 IN
38N - TEST AREA LENGTH 1800.00 FEET
214A - PAVEMENT TYPE PCC
217A - AGE OLD
201A - PAV CONSTRUCTION POURED

220A - BASE TYPE NONE *** BASE DATA *** 10

61N - SUB. THICKNESS 120.000 IN *** SUBBASE DATA ***
223A - SUBBASE SCIL CLASS SMSC 10 13

81N - SOIL THICKNESS 36.0000 IN *** SOIL DATA *** 10

98N - CRATER ASPECT RATIO .920000 *** CRATER DATA ***
100N - RUBBLE VOL (EJECTA) 131300. CU-IN 29
102N - APPARENT CTR RADIUS 51.0000 IN 58
104N - TRUE CRATER DEPTH 63.0000 IN 2
106N - TRUE CRATER VOLUME 199200. CU-IN 1
108N - PAVEMENT CTR VOLUME 57200.0 CU-IN 1
111N - FALL-RACK VOLUME 67950.0 CU-IN 57

22N - SLAB AREA 28800.0 SQ-IN
24N - PAVEMENT DENSITY .874000E-01 LB/CU-IN
26N - PAV. COMP. MODULUS .630000E+07 PSI
31N - REBAR DENSITY .0 IN/SQ-IN
39N - TEST AREA WIDTH 75.0000 FEET
215A - REINFORCEMENT NONE
218A - OVERLAYMENT NONE
202A - PAVEMENT DESIGN SLABS

222A - SUBBASE TYPE M-S-C SAND 10

224A - SOIL CLASSIFICATION SPSM 13

99N - SURFACE CTR RADIUS 68.0400 IN 29
101N - APPARENT CTR DEPTH 29.0000 IN 2
103N - APPARENT CTR VOLUME 131300. CU-IN 55
105N - TRUE CRATER RADIUS 51.0000 IN 1
107N - EARTH CRATER VOLUME 142000. CU-IN 1
110N - MAX UPHEAVAL HEIGHT 6.50000 IN 12
275A - CRATER TYPE (WES) CAMD-SPALL 14

REC'D NO. 96 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0			113N	- V EARTH REMOVED (SP)	67950.0	CU-IN	60
114N	- V EARTH REMOVED (P)	402800.	CU-IN	59	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000	CU-IN	64	117N	- NO. SLABS REPL (P)	4.00000		53
118N	- PAV REPAIR AREA (E)	34130.0	SO-IN	52	119N	- PAV REPAIR AREA (SP)	86400.0	SO-IN	62
120N	- PAV REPAIR AREA (P)	115200.	SO-IN	61	121N	- V EARTH REPL (E)	74050.0	CU-IN	65
122N	- V EARTH REPL (SP)	142000.	CU-IN	63	123N	- V EARTH REPL (P)	534000.	CU-IN	67
124N	- PAV REMOVAL AREA (E)	57600.00	SO-IN	66	125N	- PAV REMOVAL AREA (SP)	78230.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	107000.	SO-IN	56					
226A	- DATA SOURCE	AFWLT 7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

TEST PERFORMED AT FT SUMNER, NM ON 25 FEB 1971, BY THE AFWL.
 SLAB NO. N03E2 STATION 06+85 20 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. NO. TEST SITE CREATION DATE LAST UPDATED COMMENTS
 97 4 F SUMMER F47 05.30.75 09.17.75 25 LB. C4. 68 IN. DOR 7.00 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	25.0000	LBS	1	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MM)	1.75000	IN	10	5N	DEVICE HEIGHT	25.0000	LBS	10
6N	AVG CASE THICKNESS	.0	IN	10	8N	DEPTH OF BURST	68.0000	IN	1
9N	IMPACT OBliquITY	.0	DEGREES	10	10N	IN. POS. FR LONG EDG	60.0000	IN	2
11N	IN. POS. FR SHRT EDG	120.000	IN	2	12N	IMPACT VELOCITY	.0	FT/SEC	10
13N	TNT EQUIVALENT EXPL.	27.3000	LBS	98	211A	EXPLOSIVE NAME	COMP C4		10
212A	EMPLACEMENT	HAND		10	213A	FUZZING	R+PC		10
21N	PAVEMENT THICKNESS	7.00000	IN	1	22N	SLAB AREA	28800.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.500000		10	24N	PAVEMENT DENSITY	.874000E-01	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10520.0	PSI	13	26N	PAV. COMP. MODULUS	.630000E+07	PSI	13
30N	PENT. HOLE DIAMETER	9.00000	IN	10	31N	REBAR DENSITY	.0	IN/SQ-IN	10
38N	TEST AREA LENGTH	1800.00	FEET	10	39N	TEST AREA WIDTH	75.0000	FEET	10
214A	PAVEMENT TYPE	PCC		10	215A	REINFORCEMENT	NONE		10
217A	AGE	OLD		10	218A	OVERLAYMENT	NONE		10
201A	PAV CONSTRUCTION	POURED		10	202A	PAVEMENT DESIGN	SLABS		10
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	120.000	IN	10	222A	SUBBASE TYPE	M-S-C SAND		10
223A	SURBASE SOIL CLASS	SMSC		13					
81N	SOIL THICKNESS	36.0000	IN	10	224A	SOIL CLASSIFICATION	SPSW		13
98N	CRATER ASPECT RATIO	1.00000		29	99N	SURFACE CTR RADIUS	91.6800	IN	29
100N	RUBBLE VOL (EJECTA)	111000.	CU-IN	58	101N	APPARENT CTR DEPTH	19.0000	IN	2
102N	APPARENT CTR RADIUS	60.0000	IN	2	103N	APPARENT CTR VOLUME	111000.	CU-IN	55
104N	TRUE CRATER DEPTH	94.0000	IN	1	105N	TRUE CRATER RADIUS	60.0000	IN	1
106N	TRUE CRATER VOLUME	553500.	CU-IN	1	107N	EARTH CRATER VOLUME	474400.	CU-IN	1
108N	PAVEMENT CTR VOLUME	79100.0	CU-IN	1	110N	MAX UPHEAVAL HEIGHT	6.00000	IN	12
111N	FALL-BACK VOLUME	442500.	CU-IN	57	225A	CRATER TYPE (WES)	C AND SPALL		14

RECORD NO. 97 EDIT NO. 23 CONTINUED.

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V EARTH REMOVED (SP)	442500.	CU-IN	60
114N	- V EARTH REMOVED (P)	909700.	CU-IN	64	115N	- NO. SLABS REPL (E)	1.00000		51
116N	- NO. SLABS REPL (SP)	3.00000		52	117N	- NO. SLABS REPL (P)	6.00000		53
118N	- PAV REPAIR AREA (E)	35280.0	SQ-IN	61	119N	- PAV REPAIR AREA (SP)	86400.0	SQ-IN	62
120N	- PAV REPAIR AREA (P)	17280.0	SQ-IN	63	121N	- V EARTH REPL (E)	31930.0	CU-IN	65
122N	- V EARTH REPL (SP)	47440.0	CU-IN	66	123N	- V EARTH REPL (P)	-102100E+07	CU-IN	67
124N	- PAV REMOVAL AREA (E)	3600.00	SO-IN	4	125N	- PAV REMOVAL AREA (SP)	75100.0	SO-IN	54
126N	- PAV REMOVAL AREA (P)	161500.	SO-IN	56					
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	FT SUMNER		10					

*** REPAIR DATA ***
 CU-IN
 CU-IN
 SQ-IN
 SQ-IN
 CU-IN
 SO-IN
 SO-IN

*** EXTRA INFORMATION ***
 AFWLTR7261
 FT SUMNER

TEST PERFORMED AT FT SUMNER, NM ON 25 FEB 1971, BY THE AFML.
 SLAB NO. S07E5 STATION 04+91 50 FEET FROM THE LEFT EDGE OF
 THE RUNWAY TEST SECTION.

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 98 2 CERF C1 C 05.30.75 09.17.75 15 LB C4, 84 IN D08, 8 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (4H)	2.22000		20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT ORLIQUITY	.0	DEGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SFC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	R&PC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	8.00000	IN	20	22N	SLAB AREA	14400.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	4275.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	DOWEL&KEY		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GW		20
*** BASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	20	68N	SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	SUBBASE TYPE	CLAY		20	223A	SUBBASE SOIL CLASS	CL		20
*** SUBBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	APPARENT CTR RADIUS	87.0000	IN	20	106N	TRUE CRATER VOLUME	312800.	CU-IN	20
107N	EARTH CRATER VOLUME	82900.0	CU-IN	20	108N	PAVEMENT CTR VOLUME	229900.	CU-IN	20
110N	MAX UPHEAVAL HEIGHT	.900000	IN	20	225A	CRATER TYPE (WES)	CAMD-SPALL		20
*** CRATER DATA ***									
118N	PAV REPAIR AREA (E)	35500.0	SO-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SO-IN	20
120N	PAV REPAIR AREA (P)	129600.	SO-IN	20	124N	PAV REMOVAL AREA (E)	7000.00	SO-IN	20
125N	PAV REMOVAL AREA (SP)	101000.	SO-IN	20	126N	PAV REMOVAL AREA (P)	101000.	SO-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFMLR74197		99	227A	FST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

RECORD NO. 99
 TEST SITE NO. 2
 TEST NO. CI C
 CREATION DATE 05-30-75
 DATE LAST UPDATED 09-17-75
 COMMENTS: 15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT ORBITQUITY	.0	DEGREES	20
10N	14. POS. FR LONG EDG	60.0000	IN	20	11N	1M. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	REPC		20					
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	1400.0	SG-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	4275.00	PSI	20	31N	REBAR DENSITY	.0	IN/SG-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	DOMEL&KEY		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
61N	SUR. THICKNESS	60.0000	IN	20	68N	SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	SURBASE TYPE	CLAY		20	223A	SUBBASE SOIL CLASS	CL		20
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
102N	APPARENT CTR RADIUS	98.0000	IN	20	106N	TRUE CRATER VOLUME	506300.	CU-IN	20
107N	EARTH CRATER VOLUME	84700.0	CU-IN	20	108N	PAVEMENT CTR VOLUME	421600.	CU-IN	20
110N	MAX UPHEAVAL HEIGHT	1.00000	IN	20	225A	CRATER TYPE (WFS)	CAMD-HEAVE		20
118N	PAV REPAIR AREA (F)	35100.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (E)	.0	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	94500.0	SQ-IN	20	126N	PAV REMOVAL AREA (P)	94500.0	SQ-IN	20
226A	DATA SOURCE	AFMLR74197		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					

RECORD NO. 100 REV. NO. 2 TEST SITE CERF 05.30.75 09.17.75 15 LB C4, 84 IN DDR, 8 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	578000E-01	LB/CU-IN	98					
4N	- LENGTH/DIAMETER (WH)	2.2200	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20					
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT DILQUITY	.0	DEGREES	20					
10N	- IM. POS. FR LONG FDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20					
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMBLACEMENT	HAND		20					
213A	- FUZING	BEPC		20	*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20					
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	850000E-01	LR/CU-IN	20					
25N	- PAV. CGMP. STRENGTH	4375.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20					
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20					
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20					
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20					
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	DOMEL&EXP		20					
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20					
*** BASE DATA ***														
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20					
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20					
*** SUBBASE DATA ***														
61N	- SUR. THICKNESS	60.0000	IN	20	68N	- SUR. MOISTURE (BY V)	13.0000	% WATER	20					
222A	- SUBBASE TYPE	CLAY		20	223A	- SUBBASE SOIL CLASS	CL		20					
*** SOIL DATA ***														
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20					
224A	- SOIL CLASSIFICATION	GM		20	*** CRATER DATA ***									
102N	- APPARENT CTR RADIUS	80.0000	IN	20	106N	- TPUF CRATER VOLUME	288600.	CU-IN	20					
107N	- EARTH CRATER VOLUME	58800.0	CU-IN	20	108N	- PAVEMENT CTR VOLUME	229800.	CU-IN	20					
110N	- MAX UPHEAVAL HEIGHT	1.00000	IN	20	225A	- CRATER TYPE (MES)	CAMD-HEAVE		20					
*** REPAIR DATA ***														
119N	- PAV REPAIR AREA (E)	42600.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20					
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	14000.0	SQ-IN	20					
125N	- PAV REMOVAL AREA (SP)	92600.0	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	92600.0	SQ-IN	20					
*** EXTRA INFORMATION ***														
226A	- DATA SOURCE	AFHLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99					
228A	- TEST SITE	CERF		99										

RECORD REV. TEST NO. TEST SITE C I C 05.30.75 09.17.75 15 LB C4, 84 IN DOR, 12 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
101	2	CERF							
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT ORBITUITY	.0	DEGREES	20
10N	- IM. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT FXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMLACEMENT	HAND		20
213A	- FUZING	R&PC		20					
21N	- PAVEMENT THICKNESS	12.0000	IN	20	22N	- SLAB AREA	14400.0	SO-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LR/CU-IN	20
25N	- PAV. COMP. STRENGTH	4663.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SO-IN	20
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	DOMEL&EXP		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (RY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
61N	- SJB. THICKNESS	60.0000	IN	20	68N	- SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	- SUBBASE TYPE	CLAY		20	223A	- SUBBASE SOIL CLASS	CL		20
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (RY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	97.0000	IN	20	106N	- TRUE CRATER VOLUME	361100.	CU-IN	20
107N	- EARTH CRATER VOLUME	63900.0	CU-IN	20	109N	- PAVEMENT CTR VOLUME	297200.	CU-IN	20
110N	- MAX UPHEAVAL HEIGHT	2.80000	IN	20	225A	- CRATER TYPE (WES)	CAMU-HEAVE		20
118N	- PAV REPAIR AREA (E)	44100.0	SO-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SO-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SO-IN	20	124N	- PAV REMOVAL AREA (E)	19300.0	SO-IN	20
125N	- PAV REMOVAL AREA (SP)	104800.	SO-IN	20	126N	- PAV REMOVAL AREA (P)	104800.	SO-IN	20
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD REV. TEST TEST CREATIION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 102 2 CERF C I C 05.30.75 09.17.75 15 LB C4, 94 IN DOB, 8 IN PCC PAVEMENT

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
1N	-	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	-	EXPLOSIVE DENSITY	578000F-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (WH)	2.2200	IN	20	5N	-	DEVICE WEIGHT	15.0000	LBS	20
8N	-	DEPTH OF BURST	84.0000	IN	20	9N	-	IMPACT ORLIQUITY	.0	DEGREES	20
10N	-	IM. POS. FR LONG EDG	60.0000	IN	20	11N	-	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	-	IMPACT VELOCITY	.0	FT/SEC	20	13N	-	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	-	EXPLOSIVE NAME	COMP C4		20	212A	-	EMPLACEMENT	HAND		20
213A	-	FUZZING	REPC		20						
*** WEAPON DATA ***											
21N	-	PAVEMENT THICKNESS	8.00000	IN	20	22N	-	SLAB AREA	144.00.0	SO-IN	20
23N	-	SLAB ASPECT RATIO	1.00000		20	24N	-	PAVEMENT DENSITY	850000E-01	LB/CU-IN	20
25N	-	PAV. COMP. STRENGTH	4762.00	PSI	20	31N	-	REBAR DENSITY	.0	IN/SQ-IN	20
38N	-	TEST AREA LENGTH	110.000	FEET	20	39N	-	TEST AREA WIDTH	50.0000	FEET	20
214A	-	PAVEMENT TYPE	PCC		20	215A	-	REINFORCEMENT	NONE		20
216A	-	CONDITION	GOOD		20	217A	-	AGE	28 DAY		20
218A	-	OVERLAYMENT	NONE		20	219A	-	JOINT TYPE	SAMCUT		20
201A	-	PAV CONSTRUCTION	POURED		20	202A	-	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***											
41N	-	BASE THICKNESS	6.00000	IN	20	48N	-	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	-	BASE TYPE	GRAVL-SAND		20	221A	-	BASE SOIL CLASS	GM		20
61N	-	SUR. THICKNESS	60.0000	IN	20	68N	-	SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	-	SURBASE TYPE	CLAY		20	223A	-	SURBASE SOIL CLASS	CL		20
*** SUBBASE DATA ***											
81N	-	SOIL THICKNESS	36.0000	IN	20	88N	-	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	-	SOIL CLASSIFICATION	GM		20						
*** SOIL DATA ***											
102N	-	APPARENT CTR RADIUS	96.0000	IN	20	106N	-	TRUE CRATER VOLUME	311000.	CU-IN	20
107N	-	EARTH CRATER VOLUME	67400.0	CU-IN	20	109N	-	PAVEMENT CTR VOLUME	243600.	CU-IN	20
110N	-	MAX UPHEAVAL HEIGHT	2.00000	IN	20	225A	-	CRATER TYPE (WES)	CAMD-SPALL		20
*** CRATER DATA ***											
119N	-	PAV REPAIR AREA (E)	496.00.0	SO-IN	20	119N	-	PAV REPAIR AREA (SP)	129600.	SO-IN	20
120N	-	PAV REPAIR AREA (P)	129600.	SO-IN	20	124N	-	PAV REMOVAL AREA (E)	10500.0	SO-IN	20
125N	-	PAV REMOVAL AREA (SP)	99300.0	SO-IN	20	126N	-	PAV REMOVAL AREA (P)	99300.0	SO-IN	20
*** REPAIR DATA ***											
226A	-	DATA SOURCE	AFHLR74197		99	227A	-	EST DATA RELIABILITY	GOOD		99
228A	-	TEST SITE	CERF		99						
*** EXTRA INFORMATION ***											

RECORD NO. 103 REV. NO. 2 TEST SITE CERF 05-30-75 DATE 09-17-75 WEAPON DATA *** 15 LB C4, 84 IN DBB, 12 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT ORBLIQUITY	.0	DEGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	86PC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	144.00.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	5078.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	SAWCUT		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
61N	SUB. THICKNESS	60.0000	IN	20	68N	SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	SURBASE TYPE	CLAY		20	223A	SURBASE SOIL CLASS	CL		20
*** SURBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20	*** SOIL DATA ***				
102N	APPARENT CTR RADIUS	75.0000	IN	20	106N	TRUE CRATER VOLUME	338700.	CU-IN	20
107N	EARTH CRATER VOLUME	53600.0	CU-IN	20	108N	PAVEMENT CTR VOLUME	285100.	CU-IN	20
110N	MAX UPHEAVAL HEIGHT	1.10000	IN	20	225A	CRATER TYPE (WES)	CAND-SPALL		20
*** CRATER DATA ***									
118N	PAV REPAIR AREA (F)	34300.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	129500.	SQ-IN	20
120N	PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (F)	10800.0	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	105800.	SQ-IN	20	126N	PAV REMOVAL AREA (P)	105800.	SQ-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFMLR74197		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99	*** EXTRA INFORMATION ***				

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 104 2 CERF CI C 05.30.75 09.17.75 15 LB C4, 84 IN DDB, 8 IN PCCR, 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT VLOCITY	.0	DEGREES	20
10N	14. POS. FR LONG EDG	60.0000	IN	20	11N	14. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VLOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	R&PC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	144.00.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	4754.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.0000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	ACC		20	219A	JOINT TYPE	SAMCUT		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
*** BASE DATA ***									
61N	SUR. THICKNESS	60.0000	IN	20	68N	SUR. MOISTURE (BY V)	13.0000	% WATER	20
222A	SURBASE TYPE	CLAY		20	223A	SURBASE SOIL CLASS	CL		20
*** SURBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	APPARENT CTR RADIUS	86.0000	IN	20	106N	TRUE CRATER VOLUME	282500.	CU-IN	20
107N	EARTH CRATER VOLUME	76900.0	CU-IN	20	108N	PAVEMENT CTR VOLUME	205600.	CU-IN	20
110N	MAX OPREAVAL HEIGHT	5.00000	IN	20	225A	CRATER TYPE (WES)	CAMD-HFAVE		20
*** CRATER DATA ***									
118N	PAV REPAIR AREA (E)	28500.0	SO-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SO-IN	20
120N	PAV REPAIR AREA (P)	129600.	SO-IN	20	124N	PAV REMOVAL AREA (E)	11400.0	SO-IN	20
125N	PAV REMOVAL AREA (SP)	112500.	SO-IN	20	126N	PAV REMOVAL AREA (P)	112500.	SO-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFWLR74197		99	227A	FST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

105 2 CERF 05.30.75 09.17.75 15 LB C4, 84 IN DOB, 12 IN PCC& 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT ORBITQUITY	.0	DFGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	BEPC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	16.0000	IN	20	22N	SLAB AREA	14400.0	SO-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	5202.00	PSI	20	31N	REBAR DENSITY	.0	IN/50-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	ACC		20	219A	JOINT TYPE	SAMCUT		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
*** BASE DATA ***									
61N	SUR. THICKNESS	60.0000	IN	20	68N	SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	SUBBASE TYPE	CLAY		20	223A	SUBBASE SOIL CLASS	CL		20
*** SURBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	APPARENT CTR RADIUS	3.00000	IN	20	106N	TRUE CRATER VOLUME	62500.0	CU-IN	20
107N	EARTH CRATER VOLUME	62200.0	CU-IN	20	108N	PAVEMENT CTR VOLUME	300.000	CU-IN	20
110N	MAX UPEAVAL HEIGHT	4.40000	IN	20	225A	CRATER TYPE (WES)	CAMD-HEAVE		20
*** CRATER DATA ***									
119N	PAV REPAIR AREA (F)	43000.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (F)	43000.0	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	129600.	SQ-IN	20	126N	PAV REMOVAL AREA (P)	129600.	SQ-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFWL R74197		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

REC'D NO. REV. NO. TEST SITE CATION DATE LAST UPDATED COMMENTS
 106 2 CERF 05.30.75 09.17.75 15 LB C4, 84 IN DOR, 8 IN PCC& 6 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT CALIBRITY	.0	DEGREES	20
10N	- IM. POS. FR LONG FDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20
213A	- FUZZING	R&PC		20					
21N	- PAVEMENT THICKNESS	15.0000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	4240.00	PST	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	PCC&SAND		20	219A	- JOINT TYPE	SAMCUT		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
61N	- SUR. THICKNESS	60.0000	IN	20	68N	- SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	- SURBASE TYPE	CLAY		20	223A	- SURBASE SOIL CLASS	CL		20
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	84.0000	IN	20	106N	- TRUE CRATER VOLUME	407700.	CU-IN	20
107N	- EARTH CRATER VOLUME	84700.0	CU-IN	20	108N	- PAVEMENT CTR VOLUME	323100.	CU-IN	20
110N	- MAX UPHEAVAL HEIGHT	4.10000	IN	20	225A	- CRATER TYPE (MES)	CAMD-SPALL		20
118N	- PAV REPAIR AREA (F)	48200.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	25100.0	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	106500.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	106500.	SQ-IN	20
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

COMMENTS

15 LB C4, 94 IN DOB, 12 IN PCC & 6 IN ACC

05.30.75 09.17.75

107 2 CERF

RECORD NO.	REV. NO.	TEST SITE	CREATION DATE	DATE LAST UPDATED	CI C	VALUE	UNITS	REF	KEY	TYPE - NAME	VALJE	UNITS	REF
*** WEAPON DATA ***													
		IN - EXPLOSIVE WEIGHT	15.0000	LBS	20				2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
		4N - LENGTH/DIAMETER (WH)	2.22000	IN	20				5N	- DEVICE WEIGHT	15.0000	LBS	20
		8N - DEPTH OF BURST	84.0000	IN	20				9N	- IMPACT OBLIQUITY	.0	DEGREES	20
		10N - IM. POS. FR LONG EDG	60.0000	IN	20				11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
		12N - IMPACT VELOCITY	.0	FT/SFC	20				13N	- TNT EQUIVALENT EXPL.	15.3800	LBS	98
		211A - EXPLOSIVE NAME	COMP C4		20				212A	- EMPLACEMENT	HAND		20
		213A - FUZING	BBPC		20								
*** PAVEMENT DATA ***													
		21N - PAVEMENT THICKNESS	19.0000	IN	20				22N	- SLAB AREA	1400.0	SO-IN	20
		23N - SLAB ASPECT RATIO	1.00000		20				24N	- PAVEMENT DENSITY	.0	LB/SQ-IN	20
		25N - PAV. COMP. STRENGTH	4515.00	PSI	20				31N	- REBAR DENSITY	.0	IN/SQ-IN	20
		38N - TEST AREA LENGTH	110.000	FEET	20				39N	- TEST AREA WIDTH	50.0000	FEET	20
		214A - PAVEMENT TYPE	PCC		20				215A	- REINFORCEMENT	NONE		20
		216A - CONDITION	GOOD		20				217A	- AGE	28 DAY		20
		218A - OVERLAYMENT	PCC&SAND		20				219A	- JOINT TYPE	SAMCUT		20
		201A - PAV CONSTRUCTION	POURED		20				202A	- PAVEMENT DESIGN	SLABS		20
*** BASE DATA ***													
		41N - BASE THICKNESS	6.00000	IN	20				48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
		220A - BASE TYPE	GRVL-SAND		20				221A	- BASE SOIL CLASS	GW		20
*** SURBASE DATA ***													
		61N - SUB. THICKNESS	60.0000	IN	20				68N	- SUR. MOISTURE (BY V)	13.0000	% WATER	20
		222A - SURBASE TYPE	CLAY		20				223A	- SURBASE SOIL CLASS	CL		20
*** SOIL DATA ***													
		81N - SOIL THICKNESS	36.0000	IN	20				88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
		224A - SOIL CLASSIFICATION	GM		20								
*** CRATER DATA ***													
		102N - APPARENT CTR RADIUS	82.0000	IN	20				106N	- TRUE CRATER VOLUME	468300.	CU-IN	20
		107N - EARTH CRATER VOLUME	100200.	CU-IN	20				108N	- PAVEMENT CTR VOLUME	368100.	CU-IN	20
		110N - MAX UPHEAVAL HEIGHT	1.70000	IN	20				225A	- CRATER TYPE (MFS)	CAMO-SPALL		20
*** REPAIR DATA ***													
		118N - PAV REPAIR AREA (E)	45500.0	SO-IN	20				119N	- PAV REPAIR AREA (SP)	129600.	SO-IN	20
		120N - PAV REPAIR AREA (P)	129600.	SO-IN	20				124N	- PAV REMOVAL AREA (F)	25100.0	SO-IN	20
		125N - PAV REMOVAL AREA (SP)	109200.	SO-IN	20				125N	- PAV REMOVAL AREA (P)	109200.	SO-IN	20
*** EXTRA INFORMATION ***													
		226A - DATA SOURCE	AFMLR74197		99				227A	- EST DATA RELIABILITY	GOOD		99
		228A - TEST SITE	CERF		99								

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE DATE UPDATED

108 2 CERF 05.30.75 09.17.75 15 LB C4, 84 IN DOB, 8 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT VLIQUITY	.0	DEGREES	20
10N	- IM. POS. FR LONG. EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT FXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20
213A	- FUZING	8&PC		20					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	8.0000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20
23N	- PAV ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	- SLV. COMP. STRENGTH	4395.00	PST	20	31N	- REBAR DENSITY	.0	IN/SO-IN	20
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	DOMEL&KEY		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	- BASE THICKNESS	4.00000	IN	20	48N	- BASE MOISTURE (RY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
*** BASE DATA ***									
61N	- SUB. THICKNESS	62.0000	IN	20	68N	- SUB. MOISTURE (RY V)	6.00000	% WATER	20
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20
*** SUBBASE DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (9Y V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	- APPARENT CTR RADIUS	60.0000	IN	20	107N	- EARTH CRATER VOLUME	.0	CU-IN	20
108N	- PAVEMENT CTR VOLUME	110600.	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	1.90000	IN	20
225A	- CRATER TYPE (WES)	CAMQ-SPALL		20					
*** CRATER DATA ***									
118N	- PAV REPAIR AREA (E)	31400.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	17600.0	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	115800.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	115800.	SQ-IN	20
*** REPAIR DATA ***									
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

COMMENTS

RECORD NO. TEST SITE TEST NO. CREATION DATE DATE LAST UPDATED

109 2 CERF 05.30.75 09.17.75 15 LR C4, 84 IN DOR, 12 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGT-1/DIAMETER (WH)	2.22000		20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH CF BURST	84.0000	IN	20	9N	IMPACT OBLIQUITY	.0	DEGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	BEPC		20					
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	14400.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	4375.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	DDWELKEY		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	G4		20
61N	SUB. THICKNESS	62.0000	IN	20	68N	SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	SUBBASE TYPE	SILTY SAND		20	223A	SUBBASE SOIL CLASS	S4		20
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
102N	APPARENT CTR RADIUS	84.0000	IN	20	107N	EARTH CRATER VOLUME	.0	CU-IN	20
108N	PAVEMENT CTR VOLUME	186600.	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	1.10000	IN	20
225A	CRATER TYPE (WES)	CAMO-HEAVE		20					
118N	PAV REPAIR AREA (F)	29000.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (E)	13400.0	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	114000.	SQ-IN	20	126N	PAV REMOVAL AREA (P)	114000.	SQ-IN	20
226A	DATA SOURCE	AFMLR74197		99	227A	EST DATA RE IABILITY	GOOD		99
228A	TEST SITE	CERF		99					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 110 2 CERF CI S 05.30.75 09.17.75 15 LB C4, 84 IN DDR, 8 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT ORLIQUITY	.0	DEGREES	20
10N	- IM. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		70
213A	- FUZING	86PC		20					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	4159.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	DOWEL&EXP		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
61N	- SUB. THICKNESS	62.0000	IN	20	68N	- SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	- SUBBASE TYPE	STILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20
*** SUBBASE DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	- APPARENT CTR RADIUS	75.0000	IN	20	107N	- EARTH CRATER VOLUME	.0	CU-IN	20
108N	- PAVEMENT CTR VOLUME	195300.	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	1.40000	IN	20
225A	- CRATER TYPE (MES)	CAMO-SPALL		20					
*** CRATER DATA ***									
116N	- PAV REPAIR AREA (E)	29000.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	4700.00	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	105300.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	105300.	SQ-IN	20
*** REPAIR DATA ***									
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GM00		99
228A	- TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

RECORD NO. 111 TEST SITE CERS
 TEST NO. 2
 CREATION DATE 05.30.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 15 LB C4, 84 IN DBR, 12 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000F-01	LR/CU-IN	98
4N	LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT OBLIQUITY	.0	DEGREES	20
10N	IN. POS. FR LONG EDG	60.0000	IN	20	11N	IN. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUTING	REPC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	14400.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	4501.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	DOMEL&EXP		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
*** SUBBASE DATA ***									
61N	SUR. THICKNESS	62.0000	IN	20	68N	SUR. MOISTURE (BY V)	6.00000	% WATER	20
222A	SURBASE TYPE	SILTY SAND		20	223A	SURBASE SOIL CLASS	SM		20
*** SOIL DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** CRATER DATA ***									
107N	APPARENT CTR RADIUS	84.0000	IN	20	107N	EARTH CRATER VOLUME	.0	CU-IN	20
108N	PAVEMENT CTR VOLUME	202200.	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	2.30000	IN	20
225A	CRATER TYPE (WFS)	CAMD-HEAVE		20					
*** REPAIR DATA ***									
119N	PAV REPAIR AREA (F)	37700.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (F)	20900.0	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	112800.	SQ-IN	20	126N	PAV REMOVAL AREA (P)	112800.	SQ-IN	20
*** EXTRA INFORMATION ***									
226A	DATA SOURCE	AFWL P74197		99	227A	EST DATA RELIABILITY	3.000		99
228A	TEST SITE	CERS		99					

COMMENTS

RECORD REV. TEST CREATI DATE LAST DATE LAST DATE UPDATED

112 2 CERF 05.30.75 09.17.75 15 LB C4, 84 IN DOR, 8 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20					
8N	- DEPTH CF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DEGREES	20					
10N	- IM. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20					
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLOYMENT	HAND		20					
213A	- FUZING	BGPC		20	*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20					
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20					
25N	- PAV. COMP. STRENGTH	3838.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20					
38N	- TEST AREA LENGTH	110.000	FFET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20					
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20					
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20					
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	SAWCUT		20					
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20					
*** BASE DATA ***														
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (RY V)	4.00000	% WATER	20					
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20					
*** SUBBASE DATA ***														
61N	- SUB. THICKNESS	62.0000	IN	20	68N	- SUB. MOISTURE (RY V)	6.00000	% WATER	20					
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20					
*** SOIL DATA ***														
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (RY V)	5.60000	% WATER	20					
224A	- SOIL CLASSIFICATION	GM		20	*** CRATER DATA ***									
102N	- APPARENT CTR RADIUS	75.0000	IN	20	107N	- EARTH CRATER VOLUME	.0	CU-IN	20					
108N	- PAVEMENT CTR VOLUME	114000.	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	1.10000	IN	20					
225A	- CRATER TYPE (WES)	CAMD-SPALL		20	*** REPAIR DATA ***									
118N	- PAV REPAIR AREA (E)	29900.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20					
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	157000.0	SQ-IN	20					
125N	- PAV REMOVAL AREA (SP)	115400.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	115400.	SQ-IN	20					
*** EXTRA INFORMATION ***														
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	G000		99					
228A	- TEST SITE	CERF		99										

RECORD REV. TEST CREATION DATE LAST COMMENTS
 NO. SITE NO. DATE UPDATED
 113 2 CERF 05.30.75 09.17.75 15 LB C4, 84 IN DOB, 12 IN PCC PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20					
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DEGREES	20					
10N	- IM. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20					
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20					
213A	- FUZING	B&PC		20	*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	12.0000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20					
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20					
25N	- PAV. COMP. STRENGTH	4496.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20					
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20					
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20					
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20					
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	SAMCUT		20					
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20					
*** BASE DATA ***														
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20					
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20					
*** SUBBASE DATA ***														
61N	- SUB. THICKNESS	62.0000	IN	20	68N	- SUB. MOISTURE (BY V)	6.00000	% WATER	20					
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20					
*** SOIL DATA ***														
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20					
224A	- SOIL CLASSIFICATION	GM		20	*** CRATER DATA ***									
102N	- APPARENT CTR RADIUS	75.0000	IN	20	107N	- EARTH CRATFR VOLUME	.0	CU-IN	20					
108N	- PAVEMENT CTR VOLUME	172800.	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	1.90000	IN	20					
225A	- CRATER TYPE (MES)	CAMO-HEAVE		20	*** REPAIR DATA ***									
119N	- PAV REPAIR AREA (E)	34400.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20					
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	20000.0	SQ-IN	20					
125N	- PAV REMOVAL AREA (SP)	115200.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	115200.	SQ-IN	20					
*** EXTRA INFORMATION ***														
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99					
228A	- TEST SITE	CERF		99										

REC'D NO. REV. NO. TEST SITE TEST NO. CREATION DATE DATE LAST UPDATED COMMENTS

114 2 CERF CI 5 05.30.75 09.17.75 15 LB C4, 84 IN DOB, 8 IN PCC & 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98					
4N	LENGTH/DIAMETER (MH)	2.22000		20	5N	IMPACT WEIGHT	15.0000	LBS	20					
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT OBLIQUITY	.0	DEGREES	20					
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20					
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98					
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20					
213A	FUZZING	BCPC		20	*** PAYMENT DATA ***									
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	14400.0	SQ-IN	20					
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.0	LR/CU-IN	20					
25N	PAV. COMP. STRENGTH	4154.0C	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20					
33N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20					
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20					
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20					
218A	OVERLAYMENT	ACC		20	219A	JOINT TYPE	SAWCUT		20					
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20					
*** BASE DATA ***														
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20					
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20					
*** SURBASE DATA ***														
61N	SUB. THICKNESS	62.0000	IN	20	68N	SUR. MOISTURE (BY V)	6.00000	% WATER	20					
222A	SURBASE TYPE	SILTY SAND		20	223A	SURBASE SOIL CLASS	SM		20					
*** SOIL DATA ***														
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20					
224A	SOIL CLASSIFICATION	GM		20	*** CRATER DATA ***									
102N	APPARENT CTR RADIUS	75.0000	IN	20	107N	EARTH CRATER VOLUME	.0	CU-IN	20					
108N	PAVEMENT CTR VOLUME	107100.	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	2.40000	IN	20					
225A	CRATER TYPE (MES)	CAMO-SPALL		20	*** REPAIR DATA ***									
118N	PAV REPAIR AREA (E)	30500.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SQ-IN	20					
120N	PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (F)	21600.0	SQ-IN	20					
125N	PAV REMOVAL AREA (SP)	120700.	SQ-IN	20	126N	PAV REMOVAL AREA (P)	120700.	SQ-IN	20					
*** EXTRA INFORMATION ***														
226A	DATA SOURCE	AFWLR74197		99	227A	FST DATA RELIABILITY	G000		99					
228A	TEST SITE	CERF		99										

COMMENTS

RECORD REV. NO. TEST SITE
 NO. NO. DATE DATE LAST UPDATED
 115 2 CERF C1 S 05.30.75 09.17.75 15 LB C4, 84 IN DOB, 12 IN PCC & 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
	IN - EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MM)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT ORLTIQUITY	.0	DEGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	BEPC		20					
		*** PAVEMENT DATA ***							
21N	PAVEMENT THICKNESS	16.0000	IN	20	22N	SLAB AREA	14400.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	5145.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	ACC		20	219A	JOINT TYPE	SAMCUT		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
		*** BASE DATA ***							
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
		*** SUBBASE DATA ***							
61N	SUB. THICKNESS	62.0000	IN	20	68N	SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	SURBASE TYPE	SILTY SAND		20	223A	SURBASE SOIL CLASS	SM		20
		*** SOIL DATA ***							
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
		*** CRATER DATA ***							
102N	APPARENT CTR RADIUS	84.0000	IN	20	107N	EARTH CRATER VOLUME	.0	CU-IN	20
108N	PAVEMENT CTR VOLUME	60500.0	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	2.00000	IN	20
225A	CRATER TYPE (MES)	CAND-HEAVE		20					
		*** REPAIR DATA ***							
118N	PAV REPAIR AREA (E)	21400.0	SO-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SO-IN	20
120N	PAV REPAIR AREA (P)	129600.	SO-IN	20	124N	PAV REMOVAL AREA (E)	17700.0	SO-IN	20
125N	PAV REMOVAL AREA (SP)	125700.	SO-IN	20	126N	PAV REMOVAL AREA (P)	125700.	SO-IN	20
		*** EXTRA INFORMATION ***							
226A	DATA SOURCE	AFWLR74197		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					

RECORD NO. 116 REV. NO. 2 TEST SITE CERF 05-30-75 09-17-75 15 LB C4 84 IN DOB, 12 IN PCC & 6 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	5780000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	2.22000		20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT ORLTIQUITY	.0	DEGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZING	86PC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	19.0000	IN	20	22N	SLAB AREA	14400.0	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	3862.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	110.000	FEET	20	39N	TEST AREA WIDTH	50.0000	FEET	20
214A	PAVEMENT TYPE	PCC		20	215A	REINFORCEMENT	NONE		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	PCC&SAND		20	219A	JOINT TYPE	SAMCUT		20
201A	PAV CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	SLABS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
61N	SUB. THICKNESS	62.0000	IN	20	68N	SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	SURBASE TYPE	SILTY SAND		20	223A	SURBASE SOIL CLASS	S4		20
*** SUBBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	APPARENT CTR RADIUS	84.0000	IN	20	107N	EARTH CRATER VOLUME	.0	CU-IN	20
108N	PAVEMENT CTR VOLUME	311000.	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	1.00000	IN	20
225A	CRATER TYPE (WFS)	CAMP-HEAVE		20					
*** CRATER DATA ***									
118N	PAV REPAIR AREA (E)	23200.0	SQ-IN	20	119N	PAV REPAIR ARFA (SP)	129600.	SQ-IN	20
120N	PAV REPAIR AREA (PI)	129600.	SQ-IN	20	124N	PAV REMOVAL AREA (E)	5900.00	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	112300.	SQ-IN	20	126N	PAV REMOVAL ARFA (P)	112300.	SQ-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFMLR74197		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

RECORD REV. TEST TEST CREATION DATE LAST DATE LAST COMMENTS
 NO. NO. SITE NO. NO. UPDATED
 117 2 CERF 05.30.75 09.17.75 15 LB C4, 84 IN DNR, 8 IN PCC & 6 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT DILUQUITY	.0	DEGREES	20
10N	- IM. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT FOG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT FXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C 4		20	212A	- EMPACEMENT	HAND		20
213A	- FUZING	B&PC		20					
21N	- PAVEMENT THICKNESS	15.0000	IN	20	22N	- SLAB AREA	14400.0	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	5385.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20
38N	- TEST AREA LENGTH	110.000	FEET	20	39N	- TEST AREA WIDTH	50.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	PCC&SAND		20	219A	- JOINT TYPE	SAWCUT		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	SLABS		20
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GW		20
61N	- SUB. THICKNESS	62.0000	IN	20	68N	- SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	84.0000	IN	20	107N	- FARTH CRATER VOLUME	.0	CU-IN	20
108N	- PAVEMENT CTR VOLUME	200400.	CU-IN	20	110N	- MAX JPHEAVAL HEIGHT	2.00000	IN	20
225A	- CRATER TYPE (MES)	CAMP-SPALL		20					
118N	- PAV REPAIR AREA (E)	22300.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR APFA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	8000.00	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	115300.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	115300.	SQ-IN	20
226A	- DATA SOURCE	AFMLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 118 1 CERF CII 05.30.75 06.12.75 15 LB C4, R4 IN DIB, 8-PCC 2-ACC 8-CRCP

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DEGREES	20
10N	- IM. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20
211A	- FUZING	R&PC		20					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	18.0000	IN	20	22N	- SLAB AREA	129600.	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	3479.00	PSI	20	31N	- REBAR DENSITY	.124000	IM/SO-IN	20
38N	- TEST AREA LENGTH	90.0000	FEET	20	39N	- TEST AREA WIDTH	30.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	CRCP&ACC		20	219A	- JOINT TYPE	NONE		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	CONTINUOUS		20
*** BASE DATA ***									
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	60.0000	IN	20	68N	- SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	- SUBBASE TYPE	CLAY		20	223A	- SUBBASE SOIL CLASS	CL		20
*** SOIL DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
*** CRATER DATA ***									
102N	- APPARENT CTR RADIUS	3.00000	IN	20	106N	- TRUE CRATER VOLUME	110600.	CU-IN	20
107N	- EARTH CRATER VOLUME	110600.	CU-IN	20	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	20
110N	- MAX UPHEAVAL HEIGHT	4.80000	IN	20	225A	- CRATER TYPE (WES)	CAMD-HEAVE		20
*** REPAIR DATA ***									
118N	- PAV REPAIR AREA (F)	59800.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (F)	59800.0	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	129600.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	129600.	SQ-IN	20
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFWL74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 119 1 CERF CII 05.30.75 06.12.75 15 LB C₄ 84 IN DOB, 12 IN. CRCP PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	- DEVIATION WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DEGREES	20
10N	- 14. POS. FR LONG EDG	60.0000	IN	20	11N	- IM. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	F7/SFC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20
213A	- FUTURE	B&PC		20					
21N	- PAVEMENT THICKNESS	12.0000	IN	20	22N	- SLAB AREA	129600.	SO-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	3593.00	PSI	20	31N	- REBAR DENSITY	.167000	IN/SQ-IN	20
38N	- TEST AREA LENGTH	90.0000	FEET	20	39N	- TEST AREA WIDTH	30.0000	FEET	20
214A	- PAVEMENT TYPE	CRCP		20	215A	- REINFORCEMENT	NO. 6 BARS		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	NONE		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	C CONTINUOUS		20
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
61N	- SUB. THICKNESS	60.0000	IN	20	68N	- SUB. MOISTURE (BY V)	13.0000	% WATER	20
222A	- SUBBASE TYPE	CLAY		20	223A	- SUBBASE SOIL CLASS	CL		20
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	3.00000	IN	20	106N	- TRUE CRATER VOLUME	100200.	CU-IN	20
107N	- EARTH CRATER VOLUME	100200.	CU-IN	20	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	20
110N	- MAX UPHEAVAL HEIGHT	4.80000	IN	20	225A	- CRATER TYPE (MES)	CAMO-HEAVY		20
118N	- PAV REPAIR AREA (E)	54700.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	54700.0	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	129600.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	129600.	SQ-IN	20
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE								

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 120 1 CERF CII 05.30.75 06.12.75 15 LB C4, 84 IN DR, 12 IN. CRCP PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MM)	2.22000		20	5N	- DEVICE WEIGHT	15.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DEGREES	20
10N	- 14" POS. FR LONG EDG	60.0000	IN	20	11N	- 14" POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20
213A	- FUZING	B&PC		20					
21N	- PAVEMENT THICKNESS	12.0000	IN	20	22N	- SLAB AREA	129600.	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	4292.00	PSI	20	31N	- REBAR DENSITY	.0	IN/SQ-IN	20
38N	- TEST AREA LENGTH	90.0000	FEET	20	39N	- TEST AREA WIDTH	30.0000	FEET	20
214A	- PAVEMENT TYPE	FRCP		20	215A	- REINFORCEMENT	FIBER		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	NONE		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	CONTINUOUS		20
41N	- BASE THICKNESS	6.00000	IN	20	48N	- RASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
61N	- SUB. THICKNESS	60.0000	IN	20	68N	- SUR. MOISTURE (BY V)	13.0000	% WATER	20
222A	- SUBBASE TYPE	CLAY		20	223A	- SURBASE SOIL CLASS	CL		20
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	3.00000	IN	20	106N	- TRUE CRATER VOLUME	95000.0	CU-IN	20
107N	- EARTH CRATER VOLUME	95000.0	CU-IN	20	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	20
110N	- MAX UPHEAVAL HEIGHT	7.80000	IN	20	225A	- CRATER TYPE (WFS)	CAMD-HEAVE		20
118N	- PAV REPAIR AREA (E)	40800.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	40800.0	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	129600.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	129600.	SQ-IN	20
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD NO. 121
 REV. NO. 1
 TEST SITE CERF
 TEST NO. CII
 CREATION DATE 05.30.75
 DATE LAST UPDATED 06.12.75
 COMMENTS: 15 LB C4, 84 IN DOB, 12 IN. FRCP PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0700	LBS	20
8N	DEPTH CF BURST	84.0000	IN	20	9N	IMPACT OR LIQUITY	.0	DEGREES	20
10N	IM. POS. FR LONG EDG	60.0000	IN	20	11N	IM. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC	20	13N	TNT EQUIVALENT EXPL.	16.3800	LPS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	B&PC		20					
*** WEAPON DATA ***									
2IN	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	129600.	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	3997.00	PSI	20	31N	REBAR DENSITY	.0	IN/SQ-IN	20
38N	TEST AREA LENGTH	90.0000	FEET	20	39N	TEST AREA WIDTH	30.0000	FEET	20
FRCP	PAVEMENT TYPE			20	215A	REINFORCEMENT	FIBER		20
214A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
216A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	NONE		20
218A	CONSTRUCTION	POURED		20	202A	PAVEMENT DESIGN	CONTINUOUS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GW		20
*** BASE DATA ***									
61N	SUB. THICKNESS	62.0000	IN	20	68N	SUR. MOISTURE (BY V)	6.00000	% WATER	20
222A	SUBBASE TYPE	SILTY SAND		20	223A	SURBASE SOIL CLASS	SM		20
*** SURBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	APPARENT CTR RADIUS	3.00000	IN	20	107N	FARTH CRATER VOLUME	.0	CU-IN	20
108N	PAVEMENT CTR VOLUME	.0	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	1.20000	IN	20
225A	CRATER TYPE (MES)	CAMO-HEAVE		20					
*** CRATER DATA ***									
118N	PAV REPAIR AREA (F)	.0	SO-IN	20	119N	PAV REPAIR AREA (SP)	129600.	SO-IN	20
120N	PAV REPAIR AREA (P)	129600.	SO-IN	20	124N	PAV REMOVAL AREA (E)	.0	SO-IN	20
125N	PAV REMOVAL AREA (SP)	129600.	SO-IN	20	126N	PAV REMOVAL AREA (P)	129600.	SO-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFWLR74197		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

RECORD NO. 122
 REV. NO. 1
 TEST SITE
 CII 05.30.75 06.12.75 15 LB C4, 84 IN DOB, 12 IN. CRCP PAVEMENT
 CREATION DATE
 DATE
 COMMENTS

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	DEVICE WEIGHT	15.0000	LBS	20
8N	DEPTH OF BURST	84.0000	IN	20	9N	IMPACT OBLIQUITY	.0	DEGREES	20
10N	1M. POS. FR LONG EDG	60.0000	IN	20	11N	1M. POS. FR SHRT EDG	60.0000	IN	20
12N	IMPACT VELOCITY	.0	FT/SEC.	20	13N	TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	EXPLOSIVE NAME	COMP C4		20	212A	EMPLACEMENT	HAND		20
213A	FUZZING	BRPC		20					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	12.0000	IN	20	22N	SLAB AREA	129600.	SQ-IN	20
23N	SLAB ASPECT RATIO	1.00000		20	24N	PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	PAV. COMP. STRENGTH	5331.00	PSI	20	31N	PERAR DENSITY	.167000	IN/SQ-IN	20
38N	TEST AREA LENGTH	90.0000	FEET	20	39N	TEST AREA WIDTH	30.0000	FEET	20
214A	PAVEMENT TYPE	CRCP		20	215A	REINFORCEMENT	NO. 6 BARS		20
216A	CONDITION	GOOD		20	217A	AGE	28 DAY		20
218A	OVERLAYMENT	NONE		20	219A	JOINT TYPE	NONE		20
201A	PAV CONSTRUCTION	POURFD		20	202A	PAVEMENT DESIGN	CONTINUOUS		20
*** PAVEMENT DATA ***									
41N	BASE THICKNESS	6.00000	IN	20	48N	BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	BASE TYPE	GRVL-SAND		20	221A	BASE SOIL CLASS	GM		20
61N	SUB. THICKNESS	62.0000	IN	20	68N	SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	SURBASE TYPE	SILTY SAND		20	223A	SURBASE SOIL CLASS	SM		20
*** SUBBASE DATA ***									
81N	SOIL THICKNESS	36.0000	IN	20	88N	SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	SOIL CLASSIFICATION	GM		20					
*** SOIL DATA ***									
102N	APPARENT CTR RADIUS	3.00000	IN	20	107N	FARTH CRATER VOLUME	.0	CU-IN	20
108N	PAVEMENT CTR VOLUME	.0	CU-IN	20	110N	MAX UPHEAVAL HEIGHT	.200000	IN	20
225A	CRATER TYPE (MES)	CAMDFLET		20					
*** CRATER DATA ***									
118N	PAV REPAIR AREA (E)	.0	SQ-IN	20	119N	PAV REPAIR AREA (SP)	65100.0	SQ-IN	20
120N	PAV REPAIR AREA (P)	65100.0	SQ-IN	20	124N	PAV REMOVAL AREA (E)	.0	SQ-IN	20
125N	PAV REMOVAL AREA (SP)	65100.0	SQ-IN	20	126N	PAV REMOVAL AREA (P)	65100.0	SQ-IN	20
*** REPAIR DATA ***									
226A	DATA SOURCE	AFWR74197		95	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	CERF		99					
*** EXTRA INFORMATION ***									

RECORD REV. TEST TEST CREATION DATE LAST DATE COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 123 CII 05.30.75 06.12.75 45 LB C4, 84 IN DOR, 12 IN. CRCP PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE HEIGHT	15.0000	LBS	20
8N	- DEPTH CF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DFGREES	20
10N	- 14. POS. FR LONG EDG	60.0000	IN	20	11N	- 1M. POS. FR SHRT EDG	60.0000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	16.3800	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMBLEMMENT	HAND		20
213A	- FUZING	R&PC		20					
21N	- PAVEMENT THICKNESS	12.0000	IN	20	22N	- SLAB AREA	129600.	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.850000E-01	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	5331.00	PSI	20	31N	- REBAR DENSITY	.167000	IN/SQ-IN	20
38N	- TEST AREA LENGTH	90.0000	FEET	20	39N	- TFST AREA WIDTH	30.0000	FEET	20
214A	- PAVEMENT TYPE	CRCP		20	215A	- REINFORCEMENT	NO. 6 BARS		20
214A	- CONDITION	RETESTED		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	NONE		20	219A	- JOINT TYPE	NONE		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	CONTINUOUS		20
41N	- BASE THICKNESS	6.00000	IN	20	48N	- RASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- RASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GW		20
61N	- SUB. THICKNESS	62.0000	IN	20	68N	- SUR. MOISTURE (BY V)	6.00000	% WATER	20
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	3.00000	IN	20	107N	- EARTH CRATER VOLUME	.0	CU-IN	20
108N	- PAVEMENT CTR VOLUME	.0	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	14.4000	IN	20
225A	- CRATER TYPE (WFS)	CAMD-HEAVE		20					
118N	- PAV REPAIR AREA (E)	130700.	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (E)	130700.	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	129600.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	129600.	SQ-IN	20
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD REV. NO. TEST SITE CTFI 05.30.75 06.12.75 15 LB C4, 84 IN DOB, 8-PCC 2-ACC 8-CRCP

COMMENTS

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
124	1 CERF	05.30.75	06.12.75						
1N	- EXPLOSIVE WEIGHT	45.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	2.22000	IN	20	5N	- DEVICE WEIGHT	45.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT OBLIQUITY	.0	DEGREES	20
10N	- 14. POS. FR LONG FDG	180.000	IN	20	11N	- 14. POS. FR SHRT EDG	180.000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	49.1400	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMPLACEMENT	HAND		20
213A	- FUZING	86PC		20					
21N	- PAVEMENT THICKNESS	18.0000	IN	20	22N	- SLAB AREA	129600.	SQ-IN	20
23N	- SLAB ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	5644.00	PSI	20	31N	- REBAR DENSITY	.124000	IN/SQ-IN	20
38N	- TEST AREA LENGTH	90.0000	FEET	20	39N	- TEST AREA WIDTH	30.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	GOOD		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	CRCP&ACC		20	219A	- JOINT TYPE	NONE		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	CONTINUOUS		20
4IN	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
6IN	- SUB. THICKNESS	62.0000	IN	20	6N	- SUB. MOISTURE (BY V)	6.00000	% WATER	20
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20
8IN	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
102N	- APPARENT CTR RADIUS	3.00000	IN	20	107N	- EARTH CRATER VOLUME	.0	CU-IN	20
108N	- PAVEMENT CTR VOLUME	.0	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	2.40000	IN	20
225A	- CRATER TYPE (MES)	CAM0-HEAVE		20					
118N	- PAV REPAIR AREA (E)	16300.0	SQ-IN	20	119N	- PAV REPAIR AREA (SP)	129600.	SQ-IN	20
120N	- PAV REPAIR AREA (P)	129600.	SQ-IN	20	124N	- PAV REMOVAL AREA (F)	16300.0	SQ-IN	20
125N	- PAV REMOVAL AREA (SP)	129600.	SQ-IN	20	126N	- PAV REMOVAL AREA (P)	129600.	SQ-IN	20
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD NO. 125
 TEST NO. 1
 CTF 05.30.75 06.12.75 45 LB C4, 84 IN DOB, 8-PCC 2-ACC 8-CRCP

CREATION DATE 05.30.75
 DATE LAST UPDATED 06.12.75
 COMMENTS 45 LB C4, 84 IN DOB, 8-PCC 2-ACC 8-CRCP

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	45.0000	LBS	20	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	2.22000	IN	20	5N	- DEVICE HEIGHT	45.0000	LBS	20
8N	- DEPTH OF BURST	84.0000	IN	20	9N	- IMPACT DILUITY	.0	DEGREES	20
10N	- 14. POS. FR LONG FDG	180.000	IN	20	11N	- 14. POS. FR SHRT FDG	180.000	IN	20
12N	- IMPACT VELOCITY	.0	FT/SEC	20	13N	- TNT EQUIVALENT EXPL.	49.1400	LBS	98
211A	- EXPLOSIVE NAME	COMP C4		20	212A	- EMBLACEMENT	HAND		20
213A	- FIZING	REPC		20					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	18.0000	IN	20	22N	- SLAB AREA	129600.	SQ-IN	20
23N	- SLAR ASPECT RATIO	1.00000		20	24N	- PAVEMENT DENSITY	.0	LB/CU-IN	20
25N	- PAV. COMP. STRENGTH	5644.00	PSI	20	31N	- REBAR DENSITY	.124000	IN/SQ-IN	20
38N	- TEST AREA LENGTH	90.0000	FEET	20	39N	- TEST AREA WIDTH	30.0000	FEET	20
214A	- PAVEMENT TYPE	PCC		20	215A	- REINFORCEMENT	NONE		20
216A	- CONDITION	RETESTED		20	217A	- AGE	28 DAY		20
218A	- OVERLAYMENT	CRCP&ACC		20	219A	- JOINT TYPE	NONE		20
201A	- PAV CONSTRUCTION	POURED		20	202A	- PAVEMENT DESIGN	CONTINUOUS		20
*** PAVEMENT DATA ***									
41N	- BASE THICKNESS	6.00000	IN	20	48N	- BASE MOISTURE (BY V)	4.00000	% WATER	20
220A	- BASE TYPE	GRVL-SAND		20	221A	- BASE SOIL CLASS	GM		20
*** SUBBASE DATA ***									
61N	- SUR. THICKNESS	62.0000	IN	20	68N	- SUR. MOISTURE (BY V)	6.00000	% WATER	20
222A	- SUBBASE TYPE	SILTY SAND		20	223A	- SUBBASE SOIL CLASS	SM		20
*** SOIL DATA ***									
81N	- SOIL THICKNESS	36.0000	IN	20	88N	- SOIL MOISTURE (BY V)	5.60000	% WATER	20
224A	- SOIL CLASSIFICATION	GM		20					
*** CRATER DATA ***									
102N	- APPARENT CTR RADIUS	114.000	IN	20	107N	- EARTH CRATER VOLUME	.0	CU-IN	20
108N	- PAVEMENT CTR VOLUME	345600.	CU-IN	20	110N	- MAX UPHEAVAL HEIGHT	9.00000	IN	20
225A	- CRATER TYPE (MES)	CAMO-SPALL		20					
*** REPAIR DATA ***									
118N	- PAV REPAIR AREA (F)	29000.0	SO-IN	20	119N	- PAV REPAIR AREA (SP)	172800.	SO-IN	20
120N	- PAV REPAIR AREA (PI)	172800.	SO-IN	20	124N	- PAV REMOVAL AREA (F)	101800.	SO-IN	20
125N	- PAV REMOVAL AREA (SP)	108000.	SO-IN	20	126N	- PAV REMOVAL AREA (PI)	108000.	SO-IN	20
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFWLR74197		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	CERF		99					

RECORD REV. NO. TFST SITE CREATION DATE LAST UPDATED COMMENTS

126 3 HAYS 06.04.75 09.17.75 MK81 HOMB, 120 IN. DBS 11. IN. PAVEMENT

Table with columns: KEY, TYPE - NAME, VALUE, UNITS, REF, WEAPON DATA, PAWEMENT DATA, BASE DATA, SURBASE DATA, SOIL DATA, CRATER DATA, REPAIR DATA, EXTRA INFORMATION. Includes various test results and material specifications.

RECORD NO.	REV. NO.	TEST SITE	CFRATON DATE	DATE LAST UPDATED	COMMENTS						
127	3	HAYS	06.04.75	09.17.75	MK91 BOMB, 96 IN. DOB 11. IN. PAVEMENT						
KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
*** WEAPON DATA ***											
1N	-	EXPLOSIVE WEIGHT	100.000	LBS	10	2N	-	EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	-	LENGTH/DIAMETER (WH)	5.48000	IN	10	5N	-	DEVICE WEIGHT	250.000	LBS	10
8N	-	DEPTH OF BURST	96.0000	IN	13	9N	-	IMPACT ORLIQUITY	.0	DEGREES	10
12N	-	IMPACT VELOCITY	.0	FT/SEC	10	13N	-	TNT EQUIVALENT EXPL.	100.000	LBS	10
211A	-	EXPLOSIVE NAME	TNT		10	212A	-	EMPLACEMENT	HAND		10
*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	11.0000	IN	10	22N	-	SLAB AREA	36000.0	SQ-IN	10
23N	-	SLAB ASPECT RATIO	.625000		10	24N	-	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	-	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	-	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	-	REBAR DENSITY	.0	IN/SQ-IN	10	38N	-	TEST AREA LENGTH	5600.00	FEET	10
39N	-	TEST AREA WIDTH	150.000	FEET	10	214A	-	PAVEMENT TYPE	PCC		10
215A	-	REINFORCEMENT	NONE		10	217A	-	AGE	OLD		10
218A	-	OVERLAYMENT	NONE		10	201A	-	PAV CONSTRUCTION	POURED		10
202A	-	PAVEMENT DESIGN	SLABS		10						
*** BASE DATA ***											
220A	-	BASE TYPE	NONE		10						
*** SUBBASE DATA ***											
61N	-	SUB. THICKNESS	60.0000	IN	10	68N	-	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	-	SURBASE TYPE	ORG CLAY		10	223A	-	SURBASE SOIL CLASS	CHCL		16
*** SOIL DATA ***											
81N	-	SOIL THICKNESS	144.000	IN	10	88N	-	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	-	SOIL CLASSIFICATION	CHCL		16						
*** CRATER DATA ***											
100N	-	RUBBLE VOL (EJECTA)	381900.	CU-IN	13	101N	-	APPARENT CTR DEPTH	67.8000	IN	13
102N	-	APPARENT CTR RADIUS	142.100	IN	13	103N	-	APPARENT CTR VOLUME	.119800E+07	CU-IN	13
104N	-	TRUE CRATER DEPTH	157.200	IN	13	105N	-	TRUE CRATER RADIUS	164.400	IN	13
106N	-	TRUE CRATER VOLUME	.518100E+07	CU-IN	13	107N	-	EARTH CRATER VOLUME	.424600E+07	CU-IN	13
108N	-	PAVEMENT CTR VOLUME	934800.	CU-IN	13	111N	-	FALL-RACK VOLUME	.398300E+07	CU-IN	53
275A	-	CRATER TYPE (WES)	STANDARD		14						
*** REPAIR DATA ***											
112N	-	V EARTH REMOVED (E)	.0	CU-IN	59	113N	-	V FARTH REMOVED (SP)	.398300E+07	CU-IN	63
114N	-	V EARTH REMOVED (P)	.134300E+08	CU-IN	64	118N	-	PAV REPAIR AREA (E)	185400.	SQ-IN	61
121N	-	V EARTH REPL (E)	263200.	CU-IN	65	122N	-	V FARTH REPL (SP)	.424600E+07	CU-IN	63
123N	-	V EARTH REPL (P)	.146300E+08	CU-IN	67	124N	-	PAV REMOVAL AREA (E)	100400.	SQ-IN	68
*** EXTRA INFORMATION ***											
226A	-	DATA SOURCE	AFWLTR7261		99	227A	-	EST DATA RELIABILITY	FAIR		99
228A	-	TEST SITE	HAYS		99						

RECORD REV. NO. 3 TFST NO. 172 HAYS 06.04.75 09.17.75 MK91 ADMR. 156 IN. DOB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	100.000	LBS	***	2N	- EXPLOSIVE DENSITY	.596000E+01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	5.48000	IN	10	5N	- DEVICE WEIGHT	250.000	LBS	10
8N	- DEPTH OF BURST	156.000	IN	13	9N	- IMPACT ORBITQUITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	100.000	LRS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- EMPLACEMENT	HAND		10
21N	- PAVEMENT THICKNESS	11.0000	IN	***	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPCT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	- REBAR DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10
202A	- PAVEMENT DESIGN	SLABS		10					
220A	- BASE TYPE	NONE		***	68N	- SUB. MOISTURE (RY V)	24.0000	% WATER	16
61N	- SUB. THICKNESS	60.0000	IN	***	223A	- SUBBASE SOIL CLASS	CHCL		16
222A	- SURBASE TYPE	ORG CLAY		10					
81N	- SOIL THICKNESS	144.000	IN	***	88N	- SOIL MOISTURE (RY V)	20.0000	% WATER	16
224A	- SOIL CLASSIFICATION	CHCL		16					
100N	- RUBRLF VOL (EJECTA)	473500.	CU-IN	***	101N	- APPARENT CTR DEPTH	14.4000	IN	13
102N	- APPARENT CTR RADIUS	44.1000	IN	13	103N	- APPARENT CTR VOLUME	72580.0	CU-IN	13
104N	- TRUE CRATER DEPTH	208.800	IN	13	105N	- TRUE CRATER RADIUS	153.200	IN	13
106N	- TRUE CRATER VOLUME	.496800E+07	CU-IN	13	107N	- EARTH CRATER VOLUME	.413500E+07	CU-IN	13
108N	- PAVEMENT CTR VOLUME	812200.	CU-IN	13	111N	- FALL-BACK VOLUME	.489500E+07	CU-IN	63
225A	- CRATER TYPE (WES)	CAMO-SPALL		14					
112N	- V EARTH REMOVED (E)	739600.	CU-IN	***	113N	- V EARTH REMOVED (SP)	.489500E+07	CU-IN	63
114N	- V EARTH REMOVED (P)	.145300E+08	CU-IN	64	118N	- PAV REPAIR AREA (E)	172000.	SQ-IN	61
121N	- V EARTH REPL (E)	.0	CU-IN	65	122N	- V EARTH REPL (SP)	.413500E+07	CU-IN	63
123N	- V EARTH REPL (P)	.146000E+08	CU-IN	57	124N	- PAV REMOVAL AREA (E)	98180.0	SQ-IN	68
226A	- DATA SOURCE	AFWLTR7261		***	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	HAYS		99					

COMMENTS

MK81 BOMB, 180 IN. DIA 11. IN. PAVEMENT

3 HAYS

TEST NO. H73

DATE

TEST SITE

DATE LAST UPDATED

RECORD NO. 129

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	100.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	99
4N	- LENGTH/DIAMETER (MM)	5.48000	IN	10	5N	- DEVICE WEIGHT	250.000	LBS	10
8N	- DEPTH OF BURST	180.000	IN	13	9N	- IMPACT OR LIQUIDITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	100.000	LBS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- FMPLACEMENT	HAND		10
21N	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	- REBAR DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10
202A	- PAVEMENT DESIGN	SLABS		10					
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	68N	- SUR. MOISTURE (BY V)	24.0000	% WATER	16
222A	- SUBBASE TYPE	ORG CLAY		10	223A	- SUBBASE SOIL CLASS	CHCL		16
81N	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	- SOIL CLASSIFICATION	CHCL		16					
100N	- RUBBLE VOL (EJECTA)	373200.	CU-IN	13	101N	- APPARENT CTR DEPTH	.0	IN	13
102N	- APPARENT CTR RADIUS	.0	IN	13	103N	- APPARENT CTR VOLUME	.0	CU-IN	13
104N	- TRUE CRATER DEPTH	231.600	IN	13	105N	- TRUE CRATER RADIUS	171.000	IN	13
106N	- TRUE CRATER VOLUME	.791900E+07	CU-IN	13	107N	- EARTH CRATER VOLUME	.691200E+07	CU-IN	13
108N	- PAVEMENT CTR VOLUME	.100700E+07	CU-IN	13	111N	- FALL-BACK VOLUME	.791900E+07	CU-IN	63
225A	- CRATER TYPE (MES)	CAMD-SPALL		14					
112N	- V EARTH REMOVED (E)	.100700E+07	CU-IN	59	113N	- V EARTH REMOVED (SP)	.791900E+07	CU-IN	63
114N	- V EARTH REMOVED (P)	.173200E+08	CU-IN	64	118N	- PAV REPAIR AREA (E)	346900.	SQ-IN	61
121N	- V EARTH REPL (E)	.0	CU-IN	65	122N	- V EARTH REPL (SP)	.691200E+07	CU-IN	63
123N	- V EARTH REPL (P)	.173200E+08	CU-IN	67	124N	- PAV REMOVAL AREA (E)	255300.	SQ-IN	68
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	HAYS		99					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. SITE NO. DATE UPDATED
 130 3 HAYS HT4 06.04.75 09.17.75 MK91 BMR, 204 IN. DCR 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	100.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	9A
4N	LENGTH/DIAMETER (MH)	5.48000	IN	10	5N	DEVICE WEIGHT	250.000	LBS	10
8N	DEPTH OF BURST	204.000	IN	13	9N	IMPACT ORLIQUITY	.0	DEGREES	10
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	100.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/SQ-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REINFORCEMENT	NONE		10	217A	AGE	OLD		10
218A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	SUBBASE TYPE	ORG CLAY		10	223A	SUBBASE SOIL CLASS	CHCL		16
81N	SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
100N	RUBBLE VOL (EJECTA)	.110400E+07	CU-IN	13	101N	APPARENT CTR DEPTH	.0	IN	13
102N	APPARENT CTR RADIUS	.0	IN	13	103N	APPARENT CTR VOLUME	.0	CU-IN	13
105N	TRUE CRATER RADIUS	148.100	IN	13	108N	PAVEMENT CTR VOLUME	758600.	CU-IN	13
225A	CRATER TYPE (MES)	CAMO-SPALL		14					
112N	V FARTH REMOVED (E)	758600.	CU-IN	59	118N	PAV REPAIR AREA (E)	329100.	SQ-IN	61
121N	V FARTH REPL (E)	.0	CU-IN	65	124N	PAV REMOVAL AREA (E)	260100.	SQ-IN	68
226A	DATA SOURCE	AFMLTR7261		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	HAYS		99					

RECORD NO. 131
 TEST SITE H75
 CREATION DATE 06.04.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 MKR1 BOMB, 120 IN. DOR 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	100.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	5.48000	IN	10	5N	- DEVICE WEIGHT	250.000	LBS	10
8N	- DEPTH OF BURST	120.000	IN	13	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	100.000	LBS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- EMPLACEMENT	HAND		10
21N	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	10
31N	- REBAP DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10					
215A	- REINFORCEMENT	NONE		10	214A	- PAVEMENT TYPE	PCC		10
218A	- OVERLAYMENT	NONE		10	217A	- AGE	OLD		10
202A	- PAVEMENT DESIGN	SLABS		10	201A	- PAV CONSTRUCTION	POURED		10
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	68N	- SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	- SUBBASE TYPE	ORG CLAY		10	223A	- SUBBASE SOIL CLASS	CHCL		16
81N	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	- SOIL CLASSIFICATION	CHCL		16					
100N	- RIBBLE VOL (EJECTA)	.102500E+07	CU-IN	13	101N	- APPARENT CTR DEPTH	65.4000	IN	13
102N	- APPARENT CTR RADIUS	137.900	IN	13	103N	- APPARENT CTR VOLUME	.134600E+07	CU-IN	13
104N	- TRUE CRATER DEPTH	180.000	IN	13	105N	- TRUE CRATER RADIUS	156.0000	IN	13
106N	- TRUE CRATER VOLUME	.406100E+07	CU-IN	13	107N	- EARTH CRATER VOLUME	.529500E+07	CU-IN	13
108N	- PAVEMENT CTR VOLUME	939800.	CU-IN	13	111N	- FALL-BACK VOLUME	.271500E+07	CU-IN	63
225A	- CRATER TYPE (WES)	STANDARD		14					
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	113N	- V FARTH REMOVED (SPI)	.271500E+07	CU-IN	63
114N	- V EARTH REMOVED (P)	.118900E+08	CU-IN	64	118N	- PAV REPAIR AREA (E)	234100.	SQ-IN	61
121N	- V EARTH REPL (E)	506200.	CU-IN	65	122N	- V EARTH REPL (SP)	.529500E+07	CU-IN	63
123N	- V FARTH REPL (P)	.132400E+08	CU-IN	67	124N	- PAV REMOVAL AREA (E)	157700.	SQ-IN	68
226A	- DATA SOURCE				227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE								

RECORD NO. 132 TEST SITE H80 CREATION DATE 06.04.75 DATE LAST UPDATED 09.17.75 COMMENTS WK82 ROMP, 144 IN. DOB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	192.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	6.15000	IN	10	5N	DEVIAT WEIGHT	500.000	LBS	10
8N	DEPTH OF BURST	144.000	IN	13	9N	IMPACT ORLIQUITY	.0	DEGREES	10
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	192.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/SQ-IN	10	38N	TEST AREA LENGTH	56000.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REFINFORCEMENT	NONE		10	217A	AGE	OLD		10
218A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
220A	BASE TYPE	NONE		10					
61N	SUR. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	SUBBASE TYPE	ORG CLAY		10	223A	SUBBASE SOIL CLASS	CHCL		16
81N	SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
100N	BUBBLE VOL (EJECTA)	905500.	CU-IN	13	101N	APPARENT CTR DEPTH	90.6000	IN	13
102N	APPARENT CTR RADIUS	147.200	IN	13	103N	APPARENT CTR VOLUME	.209400E+07	CU-IN	13
104N	TRUE CRATER DEPTH	204.000	IN	13	105N	TRUE CRATER RADIUS	238.300	IN	13
106N	TRUE CRATER VOLUME	.119400E+08	CU-IN	13	107N	EARTH CRATER VOLUME	.997200E+07	CU-IN	13
108N	PAVEMENT CTR VOLUME	.197000E+07	CU-IN	13	111N	FALL-BACK VOLUME	.984800E+07	CU-IN	63
225A	CRATER TYPE (WFS)	STANDARD		14					
112N	V EARTH REMOVED (E)	.0	CU-IN	59	113N	V EARTH REMOVED (SP)	.984800E+07	CU-IN	61
114N	V EARTH REMOVED (P)	.357400E+08	CU-IN	64	118N	PAV REPAIR AREA (E)	352200.	SQ-IN	61
121N	V EARTH REPL (F)	124000.	CU-IN	65	122N	V EARTH REPL (SP)	.997200E+07	CU-IN	63
123N	V EARTH REPL (P)	.378600E+08	CU-IN	67	124N	PAV REMOVAL AREA (F)	173100.	SQ-IN	68
226A	DATA SOURCE	AFWLTR7261		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	HAYS		99					

*** WFAPOIN DATA ***

*** PAVEMENT DATA ***

*** BASE DATA ***

*** SUBBASE DATA ***

*** SOIL DATA ***

*** CRATER DATA ***

*** REPAIR DATA ***

*** EXTRA INFORMATION ***

RECORD NO. 133 REV. NO. 3 TEST SITE HAYS CRETION DATE 06.04.75 DATE LAST UPDATED 09.17.75 COMMENTS MK82 ROMP, 216 IN. DOB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	192.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	6.15000	IN	10	5N	DEVICE WEIGHT	500.000	LBS	10
8N	DEPTH OF BURST	216.000	IN	13	9N	IMPACT OBLIQUITY	.0	DEGREES	10
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	192.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PST	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/SQ-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REINFORCEMENT	NONE		10	217A	AGF	OLD		10
218A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SURBASE DATA ***									
61N	SUR. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	SURBASE TYPE	ORG CLAY		10	223A	SURBASE SOIL CLASS	CHCL		16
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***									
100N	RURBLE VOL (EJECTA)	703300.	CU-IN	13	101N	APPARENT CTR DEPTH	10.8000	IN	13
102N	APPARENT CTR RADIUS	78.2000	IN	13	103N	APPARENT CTR VOLUME	57020.0	CU-IN	13
105N	TRUE CRATER RADIUS	156.000	IN	13	108N	PAVEMENT CTR VOLUME	691200.	CU-IN	13
225A	CRATER TYPE (WFS)	CAMP-SPALL		14					
*** REPAIR DATA ***									
112N	V FARTH REMOVED (E)	634000.	CU-IN	59	118N	PAV REPAIR AREA (E)	342000.	SQ-IN	61
121N	V FARTH REPL (E)	.0	CU-IN	65	124N	PAV REMOVAL AREA (E)	279200.	SQ-IN	68
*** EXTRA INFORMATION ***									
226A	DATA SOURCE	AFWLTR7261		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	HAYS		99					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 134 3 HAYS H82 06.04.75 09.17.75 MK82 RMR, 180 IN. DOB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	*** WEAPON DATA ***								
IN	- EXPLOSIVE WEIGHT	192.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	6.15000	IN	10	5N	- DEVICE WEIGHT	500.000	LBS	10
8N	- DEPTH OF BURST	180.000	IN	13	9N	- IMPACT ORLIQUITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT FOUIVALENT EXPL.	192.000	LBS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- EEMPLACEMENT	HAND		10
	*** PAVEMENT DATA ***								
21N	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	- REBAR DENSITY	.0	IN ² /SQ-IN	10	38N	- TEST AREA LENGTH	56000.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10
202A	- PAVEMENT DESIGN	SLABS		10					
	*** BASE DATA ***								
220A	- BASE TYPE	NONE		10					
	*** SURBASE DATA ***								
61N	- SUB. THICKNESS	60.0000	IN	10	68N	- SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	- SURBASE TYPE	ORG CLAY		10	223A	- SURBASE SOIL CLASS	CHCL		15
	*** SOIL DATA ***								
81N	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	- SOIL CLASSIFICATION	CHCL		16					
	*** CRATER DATA ***								
100N	- RUBBLE VOL (EJFCTA)	.329700E+07	CU-IN	13	101N	- APPARENT CTR DEPTH	66.6000	IN	13
102N	- APPARENT CTR RADIUS	134.900	IN	13	103N	- APPARENT CTR VOLUME	.117700E+07	CU-IN	13
104N	- TRUE CRATER DEPTH	228.000	IN	13	105N	- TRUE CRATER RADIUS	203.800	IN	13
106N	- TRUE CRATER VOLUME	.116200E+08	CU-IN	13	107N	- FARTH CRATER VOLUME	.101900E+08	CU-IN	13
108N	- PAVEMENT CTR VOLUME	.143600E+07	CU-IN	13	111N	- FALL-BACK VOLUME	.104500E+08	CU-IN	63
225A	- CRATER TYPE (WES)	STANDARD		14					
	*** REPAIR DATA ***								
112N	- V EARTH REMOVED (E)	259000.	CU-IN	59	113N	- V EARTH REMOVED (SP)	.104500E+08	CU-IN	63
114N	- V EARTH REMOVED (P)	.253200E+08	CU-IN	64	118N	- PAV REPAIR AREA (E)	279600.	SQ-IN	61
121N	- V EARTH REPL (E)	.0	CU-IN	65	122N	- V EARTH REPL (SP)	.101900E+08	CU-IN	63
123N	- V EARTH REPL (P)	.265000E+08	CU-IN	67	124N	- PAV REMOVAL AREA (F)	149100.	SQ-IN	68
	*** EXTRA INFORMATION ***								
226A	- DATA SOURCE	AFWL TR7261		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	HAYS		99					

RECORD NO. 135
 TEST NO. H83
 TYPE 3
 HAYS
 CREATION DATE 06.04.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 MK82 BOMB, 252 IN. DMB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	*** WEAPON DATA ***								
1N	EXPLOSIVE WEIGHT	192.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (WH)	6.15000	IN	10	5N	DEVICE WEIGHT	500.000	LBS	10
8N	DEPTH OF BURST	252.000	IN	13	9N	IMPACT OBLIQUITY	.0	DEGREES	10
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	192.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
	*** PAVEMENT DATA ***								
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/SQ-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REINFORCEMENT	NONE		10	217A	AGE	OLD		10
219A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
	*** BASE DATA ***								
220A	BASE TYPE	NONE		10					
	*** SUBBASE DATA ***								
61N	SUB. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	SURBASE TYPE	ORG CLAY		10	223A	SURBASE SOIL CLASS	CHCL		15
	*** SOIL DATA ***								
81N	SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
	*** CRATER DATA ***								
100N	RUBBLE VOL (EJECTA)	95730.0	CU-IN	13	101N	APPARENT CTR DEPTH	30.0000	IN	13
102N	APPARENT CTR RADIUS	69.2000	IN	13	103N	APPARENT CTR VOLUME	186600.0	CU-IN	13
105N	TRUE CRATER RADIUS	86.8800	IN	13	108N	PAVEMENT CTR VOLUME	260900.0	CU-IN	13
225A	CRATER TYPE (WES)	CAMO-HFAVE		14					
	*** REPAIR DATA ***								
112N	V EARTH REMOVED (F)	74300.0	CU-IN	59	118N	PAV REPAIR AREA (E)	317500.0	SQ-IN	61
121N	V EARTH REPL (E)	.0	CU-IN	65	124N	PAV REMOVAL AREA (E)	293800.0	SQ-IN	68
	*** EXTRA INFORMATION ***				227A	EST DATA RELIABILITY	FAIR		99
226A	DATA SOURCE	AFWLTR7261		99					
228A	TEST SITE	HAYS		99					

RECORD NO. 136 REV. NO. 3 TEST SITE HAYS TEST NO. H84 CREATION DATE 06.04.75 DATE LAST UPDATED 09.17.75 COMMENTS MK82 ROWR, 144 IN. DOB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	192.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	6.15000	IN	10	5N	- DEVICE WEIGHT	500.000	LBS	10
8N	- DEPTH OF BURST	144.000	IN	13	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT FXPL.	192.000	LBS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- FMPLACEMENT	HAND		10
21N	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	- REBAR DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10
202A	- PAVEMENT DESIGN	SLABS		10					
220A	- BASE TYPE	NONE		10					
61N	- SUB. THICKNESS	60.0000	IN	10	68N	- SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	- SUBBASE TYPE	ORG CLAY		10	223A	- SUBBASE SOIL CLASS	CHCL		16
81N	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (BY V)	20.0000	% WATER	15
224A	- SOIL CLASSIFICATION	CHCL		16					
100N	- RUBBLE VOL (EJECTA)	.131500E+07	CU-IN	13	101N	- APPARENT CTR DEPTH	73.2000	IN	13
102N	- APPARENT CTR RADIUS	173.900	IN	13	103N	- APPARENT CTR VOLUME	.273500E+07	CU-IN	13
105N	- TRUE CRATER RADIUS	204.000	IN	13	108N	- PAVEMENT CTR VOLUME	.143800E+07	CU-IN	13
225A	- CRATER TYPE (WES)	STANDARD		14					
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	118N	- PAV REPAIR AREA (F)	255100.	SQ-IN	61
121N	- V EARTH REPL (E)	.129700E+07	CU-IN	65	124N	- PAV REMOVAL AREA (E)	124400.	SQ-IN	68
226A	- DATA SOURCE	AFWLTR7261		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	HAYS		99					

RECORD NO. 137
 REV. NO. 4
 TEST SITE HAYS
 TEST NO. H85
 CREATION DATE 06-04-75
 DATE LAST UPDATED 09-17-75
 COMMENTS MK82 BOMR, 108 IN. DOB II. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	192.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	6.15000	IN	10	5N	DEVICE WEIGHT	500.000	LBS	10
8N	DEPTH OF BURST	108.000	IN	13	9N	IMPACT ORBLIQUITY	.0	DEGREES	10
12N	IMPACT VELOCITY	.0	FT/SFC	10	13N	TNT EQUIVALENT EXPL.	192.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/SO-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REINFORCEMENT	NONE		10	217A	AGE	OLD		10
218A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
220A	BASE TYPE	NONE		10					
61N	SUB. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	SURBASE TYPE	ORG CLAY		10	223A	SURBASE SOIL CLASS	CHCL		16
81N	SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
100N	RIBBLE VOL (EJECTA)	.112700E+07	CU-IN	13	101N	APPARENT CTR DEPTH	74.4000	IN	13
102N	APPARENT CTR RADIUS	164.500	IN	13	102N	APPARENT CTR VOLUME	.322100E+07	CU-IN	13
104N	TRUE CRATER DEPTH	160.800	IN	13	105N	TRUE CRATER RADIUS	199.900	IN	13
106N	TRUE CRATER VOLUME	.648000E+07	CU-IN	13	107N	EARTH CRATER VOLUME	.509800E+07	CU-IN	13
108N	PAVEMENT CTR VOLUME	.138200E+07	CU-IN	13	111N	FALL-BACK VOLUME	.325900E+07	CU-IN	63
225A	CRATER TYPE (MES)	STANDARD		14					
112N	V EARTH REMOVED (E)	.0	CU-IN	59	113N	V FARTH REMOVED (SP)	.325900E+07	CU-IN	63
114N	V EARTH REMOVED (P)	.198400E+08	CU-IN	64	118N	PAV REPAIR AREA (E)	329900.	SQ-IN	61
121N	V EARTH REPL (E)	.183900E+07	CU-IN	65	122N	V EARTH REPL (SP)	.509800E+07	CU-IN	63
123N	V EARTH REPL (P)	.230600E+08	CU-IN	67	124N	PAV REMOVAL AREA (E)	204200.	SQ-IN	68
226A	DATA SOURCE	AFMLTP 7261		99	227A	EST DATA RELIABILITY	FAIR		99
728A	TEST SITE	HAYS		99					

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
138	3	HAYS	H90	06.04.75	09.17.75								
MILIT 80-E, 180 IN. DOB 11. IN. PAVEMENT													
KEY	TYPE - NAME	VALUF	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF				
IN	- EXPLOSIVE WEIGHT	386.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98				
4N	- LENGTH/DIAMETER (WH)	3.17000	IN	10	5N	- DEVICE WEIGHT	750.000	LBS	10				
8N	- DEPTH OF BURST	180.000	IN	13	9N	- IMPACT OR LIQUITY	.0	DEGREES	10				
12N	- IMPACT VELOCITY	.0	FT/SFC	10	13N	- TNT EQUIVALENT EXPL.	386.000	LBS	10				
211A	- EXPLOSIVE NAME	TNT		10	212A	- EMBLACEMENT	HAND		10				
21N	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	36000.0	SQ-IN	10				
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13				
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13				
31N	- REBAR DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10				
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10				
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10				
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10				
202A	- PAVEMENT DESIGN	SLABS		10									
220A	- BASE TYPE	NONE		10									
61N	- SUB. THICKNESS	60.0000	IN	10	68N	- SUB. MOISTURE (9Y V)	24.0000	% WATER	16				
222A	- SUBBASE TYPE	ORG CLAY		10	223A	- SUBBASE SOIL CLASS	CHCL		16				
81N	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (9Y V)	20.0000	% WATER	16				
224A	- SOIL CLASSIFICATION	CHCL		16									
100N	- RIBBLE VOL (EJFCTA)	.262000E+07	CU-IN	13	101N	- APPARENT CTR DEPTH	112.800	IN	13				
102N	- APPARENT CTR RADIUS	242.500	IN	13	103N	- APPARENT CTR VOLUME	.678100E+07	CU-IN	13				
104N	- TRUE CRATER DEPTH	264.000	IN	13	105N	- TRUE CRATER RADIUS	257.300	IN	13				
106N	- TRUE CRATER VOLUME	.244500E+08	CU-IN	13	107N	- FARTH CRATER VOLUME	.221800E+08	CU-IN	13				
108N	- PAVEMENT CTR VOLUME	.229000E+07	CU-IN	13	111N	- FALL-9ACK VOLUME	.176700E+08	CU-IN	63				
225A	- C-ATER TYPE (MES)	STANDARD		14									
112N	- V EARTH REMOVED (F)	.0	CU-IN	59	113N	- V FARTH REMOVED (SP)	.176700E+08	CU-IN	63				
114N	- V EARTH REMOVED (P)	.420700E+08	CU-IN	64	118N	- PAV REPAIR AREA (F)	455600.	CU-IN	61				
121N	- V EARTH REPL (E)	.449100E+07	CU-IN	65	127N	- V FARTH REPL (SP)	.221800E+08	CU-IN	63				
123N	- V EARTH REPL (P)	.488500E+08	CU-IN	67	124N	- PAV REMOVAL AREA (E)	247400.	CU-IN	68				
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	FAIR		99				
228A	- TEST SITE	HAYS		99									
*** WEAPON DATA ***													
*** PAVEMENT DATA ***													
*** BASE DATA ***													
*** SUBBASE DATA ***													
*** SOIL DATA ***													
*** CRATER DATA ***													
*** REPAIR DATA ***													
*** EXTRA INFORMATION ***													

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE DATE DATE UPDATED
 139 3 HAYS 06.04.75 09.17.75 M117 BOMB, 144 IN. DOR 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	386.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (MH)	3.17000		10	5N	- DEVICE WEIGHT	750.000	LBS	10
8N	- DEPTH OF BURST	144.000	IN	13	9N	- IMPACT ORALQUITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	386.000	LBS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- EMLACEMENT	HAND		10
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	36000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10020.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	- REBAR DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10
202A	- PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	- SJR. THICKNESS	60.0000	IN	10	68N	- SUB. MOISTURE (AY V)	24.0000	% WATER	16
222A	- SUBBASE TYPE	ORG CLAY		10	223A	- SUBBASE SOIL CLASS	CHCL		16
*** SOIL DATA ***									
81N	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (AY V)	20.0000	% WATER	16
224A	- SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***									
100N	- RUBBLE VOL (EJECTA)	.220300E+07	CU-IN	13	101N	- APPARENT CTR DEPTH	127.200	IN	13
102N	- APPARENT CTR RADIUS	227.800	IN	13	103N	- APPARENT CTR VOLUME	.755100E+07	CU-IN	13
105N	- TRUE CRATER RADIUS	326.900	IN	13	108N	- PAVEMENT CTR VOLUME	.369300E+07	CU-IN	13
275A	- CRATER TYPE (WES)	STANDARD		14					
*** REPAIR DATA ***									
112N	- V EARTH REMOVED (E)	.0	CU-IN	59	118N	- PAV REPAIR AREA (E)	399100.	SQ-IN	61
121N	- V EARTH REPL (E)	.385800E+07	CU-IN	65	124N	- PAV REMOVAL AREA (E)	62370.0	SQ-IN	68
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFMLTR7261		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	HAYS		99					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 140 3 HAYS H92 06.04.75 09.17.75 MI17 ROMP, 180 IN. D08 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	EXPLOSIVE WEIGHT	386.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E-01	LR/CU-IN	98
4N	LENGTH/DIAMETER (WH)	3.17000	IN	10	5N	DEVICF WEIGHT	750.000	LBS	10
8N	DEPTH OF BURST	180.000	IN	13	9N	IMPACT OBLIQUITY	.0	DFGREES	10
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT EXPL.	386.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPCT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/50-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REINFORCEMENT	NONE		10	217A	AGE	OLD		10
218A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SURBASE DATA ***									
61N	SUR. THICKNESS	60.0000	IN	10	68N	SUB MOISTURE (BY V)	24.0000	% WATER	16
222A	SURBASE TYPE	ORG CLAY		10	223A	SURBASE SOIL CLASS	CHCL		16
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***									
100N	RURBLE VOL (EJECTA)	.258300E+07	CU-IN	13	101N	APPARENT CTR DEPTH	103.200	IN	13
102N	APPARENT CTR RADIUS	223.100	IN	13	103N	APPARENT CTR VOLUME	.557300E+07	CU-IN	13
105N	TRUE CRATER RADIUS	249.200	IN	13	108N	PAVEMENT CTR VOLUME	.214800E+07	CU-IN	13
225A	CRATER TYPE (WES)	STANDARD		14					
*** REPAIR DATA ***									
112N	V FARTH REMOVED (F)	.0	CU-IN	59	118N	PAV REPAIR AREA (F)	606700.	SQ-IN	61
121N	V FARTH REPL (E)	.342500E+07	CU-IN	65	124N	PAV REMOVAL AREA (E)	411400.	SQ-IN	68
*** EXTRA INFORMATION ***									
226A	DATA SOURCE	AFWLTR7261		99	227A	FST DATA RELIABILITY	FAIR		99
228A	TEST SITE	HAYS		99					

RECORD REV. TEST CREATON DATE LAST
 NO. NO. SITE DATE UPDATED
 141 3 HAYS 06.04.75 09.17.75
 COMMENTS
 MILL RAMP, 216 IN. DDB 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	IN - EXPLOSIVE WEIGHT	386.000	LBS	10	2N	EXPLOSIVE DENSITY	.596000E+01	LB/CU-IN	98
	4N - LENGTH/DIAMETER (WH)	3.17000	IN	10	5N	DEVICE WEIGHT	750.000	LBS	10
	9N - DEPTH OF BURST	216.000	IN	13	9N	IMPACT ORLIQUITY	.0	DEGR/FES	10
	12N - IMPACT VELOCITY	.0	FT/SEC	10	13N	TNT EQUIVALENT FXPL.	386.000	LBS	10
	211A - EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
	21N - PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
	23N - SLAB ASPECT RATIO	.625000		10	24N	PAVEMENT DENSITY	.852000	LB/CU-IN	13
	25N - PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	.590000E+07	PSI	13
	31N - REPAR DENSITY	.0	IN/SQ-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
	39N - TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
	215A - REINFORCEMENT	NONE		10	217A	AGE	OLD		10
	218A - OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
	202A - PAVEMENT DESIGN	SLABS		10					
	220A - BASE TYPE	NONE		10					
	61N - SUR. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (RY V)	24.0000	% WATER	16
	222A - SURBASE TYPE	ORG CLAY		10	223A	SURBASE SOIL CLASS	CHCL		16
	81N - SOIL THICKNESS	144.000	IN	10	88N	SOIL MOISTURE (RY V)	20.0000	% WATER	16
	224A - SOIL CLASSIFICATION	CHCL		16					
	100N - RUMBLE VOL (EJECTA)	.244500E+07	CU-IN	13	101N	APPARENT CTR DEPTH	86.4000	IN	13
	102N - APPARENT CTR RADIUS	190.500	IN	13	103N	APPARENT CTR VOLUME	.438900E+07	CU-IN	13
	104N - TRUE CRATER DEPTH	288.000	IN	13	105N	TRUF CRATER RADIUS	265.900	IN	13
	106N - TRUE CRATER VOLUME	.240900E+08	CU-IN	13	107N	EARTH CRATER VOLUME	.216500E+08	CU-IN	13
	108N - PAVEMENT CTR VOLUME	.244500E+07	CU-IN	13	111N	FALL-BACK VOLUME	.197000E+08	CU-IN	63
	225A - CRATER TYPE (WES)	STANDARD		14					
	112N - V EARTH REMOVED (E)	.0	CU-IN	59	113N	V EARTH REMOVED (SP)	.197000E+08	CU-IN	63
	114N - V EARTH REMOVED (P)	.495200E+08	CU-IN	64	118N	PAV REPAIR AREA (F)	635400.	SO-IN	61
	121N - V EARTH REPL (F)	.194400E+07	CU-IN	65	122N	V EARTH REPL (SP)	.216500E+08	CU-IN	63
	123N - V EARTH REPL (P)	.535100E+08	CU-IN	67	124N	PAV REMOVAL AREA (F)	413100.	SO-IN	68
	226A - DATA SOURCE	AFWLTR7261		99	227A	EST DATA RELIABILITY	FAIR		99
	228A - TEST SITE	HAYS		99					

RECORD REV. NO. TEST SITE TEST NO. CREATION DATE DATE LAST UPDATED COMMENTS
 142 3 HAYS 06.04.75 09.17.75 M117 RDMR. 216 IN. DIA 11. IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WFAPDN DATA ***									
1N	EXPLOSIVE WEIGHT	386.000	LBS	10	2N	EXPLOSIVE DENSITY	596.000E-01	LB/CU-IN	98
4N	LENGTH/DIAMETER (MH)	3.17000	IN	10	5N	DEVICE WEIGHT	750.000	LBS	10
8N	DEPTH OF BURST	216.000	IN	13	9N	IMPACT ORLTIQUITY	.0	DEGREES	10
12N	IMPACT VELOCITY	.0	FT/SEC	10	13N	IMPACT EQUIVALENT EXPL.	386.000	LBS	10
211A	EXPLOSIVE NAME	TNT		10	212A	EMPLACEMENT	HAND		10
*** PAVEMENT DATA ***									
21N	PAVEMENT THICKNESS	11.0000	IN	10	22N	SLAB AREA	36000.0	SQ-IN	10
23N	SLAB ASPECT RATIO	625000		10	24N	PAVEMENT DENSITY	852000	LB/CU-IN	13
25N	PAV. COMP. STRENGTH	10022.0	PSI	13	26N	PAV. COMP. MODULUS	590000E+07	PSI	13
31N	REBAR DENSITY	.0	IN/SQ-IN	10	38N	TEST AREA LENGTH	5600.00	FEET	10
39N	TEST AREA WIDTH	150.000	FEET	10	214A	PAVEMENT TYPE	PCC		10
215A	REINFORCEMENT	NONE		10	217A	AGE	OLD		10
218A	OVERLAYMENT	NONE		10	201A	PAV CONSTRUCTION	POURED		10
202A	PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***									
220A	BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	60.0000	IN	10	68N	SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	SUBBASE TYPE	ORG CLAY		10	223A	SUBBASE SOIL CLASS	CHCL		16
*** SOIL DATA ***									
81N	SOIL THICKNESS	144.0000	IN	10	88N	SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***									
100N	RUBBLE VOL (EJECTA)	139600E+07	CU-IN	13	101N	APPARENT CTR DEPTH	72.0000	IN	13
102N	APPARENT CTR RADIUS	173.900	IN	13	103N	APPARENT CTR VOLUME	217700E+07	CU-IN	13
104N	TRUE CRATER DEPTH	283.400	IN	13	105N	TRUE CRATER RADIUS	277.200	IN	13
106N	TRUE CRATER VOLUME	192500E+08	CU-IN	13	107N	EARTH CRATER VOLUME	165900E+08	CU-IN	13
108N	PAVEMENT CTR VOLUME	265600E+07	CU-IN	13	111N	FALL-BACK VOLUME	170700E+08	CU-IN	63
225A	CRATER TYPE (MES)	STANDARD		14					
*** REPAIR DATA ***									
112N	V EARTH REMOVED (E)	.0	CU-IN	59	113N	V EARTH REMOVED (SP)	170700E+08	CU-IN	63
114N	V EARTH REMOVED (P)	576300E+08	CU-IN	64	118N	PAV REPAIR AREA (E)	525300.	SQ-IN	61
121N	V EARTH REPL (F)	479000.	CU-IN	65	122N	V EARTH REPL (SP)	165900E+08	CU-IN	63
123N	V EARTH REPL (P)	598100E+08	CU-IN	67	124N	PAV REMOVAL AREA (E)	283900.	SQ-IN	6P
*** EXTRA INFORMATION ***									
226A	DATA SOURCE	AFMLTR7261		99	227A	FST DATA RELIABILITY	FAIR		99
228A	TEST SITE	HAYS		99					

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE NO. NO. DATE UPDATED
 143 3 HAYS H95 06.04.75 09.17.75
 COMMENTS
 M117 ROMB, 246 IN, DOB 11. IN, PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	386.000	LBS	10	2N	- EXPLOSIVE DENSITY	.596000E-01	LB/CU-IN	98
4N	- LENGTH/DIAMETER (WH)	3.17000	IN	10	5N	- DEVICE WEIGHT	750.000	LBS	10
8N	- DEPTH OF BURST	246.000	IN	13	9N	- IMPACT OBLIQUITY	.0	DEGREES	10
12N	- IMPACT VELOCITY	.0	FT/SEC	10	13N	- TNT EQUIVALENT EXPL.	386.000	LBS	10
211A	- EXPLOSIVE NAME	TNT		10	212A	- EMPLACEMENT	HAND		10
*** PAVEMENT DATA ***									
2IN	- PAVEMENT THICKNESS	11.0000	IN	10	22N	- SLAB AREA	5000.0	SQ-IN	10
23N	- SLAB ASPECT RATIO	.625000		10	24N	- PAVEMENT DENSITY	.852000	LB/CU-IN	13
25N	- PAV. COMP. STRENGTH	10022.0	PSI	13	26N	- PAV. COMP. MODULUS	.590000E+07	PSI	10
3IN	- REBAR DENSITY	.0	IN/SQ-IN	10	38N	- TEST AREA LENGTH	5600.00	FEET	10
39N	- TEST AREA WIDTH	150.000	FEET	10	214A	- PAVEMENT TYPE	PCC		10
215A	- REINFORCEMENT	NONE		10	217A	- AGE	OLD		10
218A	- OVERLAYMENT	NONE		10	201A	- PAV CONSTRUCTION	POURED		10
202A	- PAVEMENT DESIGN	SLABS		10					
*** BASE DATA ***									
220A	- BASE TYPE	NONE		10					
*** SUBBASE DATA ***									
6IN	- SUB. THICKNESS	60.0000	IN	10	68N	- SUB. MOISTURE (BY V)	24.0000	% WATER	16
222A	- SUBBASE TYPE	ORG CLAY		10	223A	- SUBBASE SOIL CLASS	CHCL		16
*** SOIL DATA ***									
8IN	- SOIL THICKNESS	144.000	IN	10	88N	- SOIL MOISTURE (BY V)	20.0000	% WATER	16
224A	- SOIL CLASSIFICATION	CHCL		16					
*** CRATER DATA ***									
100N	- RUBBLE VOL (EJECTA)	665300.	CU-IN	13	101N	- APPARENT CTR DEPTH	9.60000	IN	13
102N	- APPARENT CTR RADIUS	77.6000	IN	13	103N	- APPARENT CTR VOLUME	60480.0	CU-IN	13
105N	- TRUE CRATER RADIUS	200.200	IN	13	108N	- PAVEMENT CTR VOLUME	.138600E+07	CU-IN	13
275A	- CRATER TYPE (MES)	CAMD-SPALL		14					
*** REPAIR DATA ***									
112N	- V EARTH REMOVED (E)	.132600E+07	CU-IN	59	118N	- PAV REPAIR AREA (E)	424100.	SQ-IN	61
12IN	- V EARTH REPL (E)	.0	CU-IN	65	124N	- PAV REMOVAL AREA (E)	298200.	SQ-IN	68
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFMLTR7261		99	277A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	HAYS		99					

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NC. SITE NO. DATE UPDATED

 144 2 TYNDAL T1-1 06.05.75 08.11.75 25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT

COMMENTS

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	25.0000	LBS	33	5N	- DEVICE WEIGHT	25.0000	LBS	33
8N	- DEPTH OF BURST	48.0000	IN	33	9N	- IMPACT ORLTIQUITY	.0	DEGRFFS	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	COMP C4		33
21N	- PAVEMENT THICKNESS	12.0000	IN	33	22N	- SLAB AREA	51800.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	.900000		33	38N	- TEST AREA LENGTH	200.0000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NDNE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33	220A	- BASE TYPE	CR ROCK		33
41N	- BASE THICKNESS	12.0000	IN	33	62N	- SUB. DENSITY	.522000E-01	LB/CU-IN	33
61N	- SUB. THICKNESS	1000.00	IN	33	222A	- SUBBASE TYPE	SAND		33
68N	- SUB. MOISTURE (BY V)	4.10000	% WATER	33					
223A	- SJRBASE SCIL CLASS	SP		33					
100N	- RUBBLE VOL (EJECTA)	433900.	CU-IN	33	101N	- APPARENT CTR DEPTH	45.2000	IN	33
102N	- APPARENT CTR RADIUS	75.6000	IN	33	103N	- APPARENT CTR VOLUME	415200.	CU-IN	33
104N	- TRUE CRATER DEPTH	55.4000	IN	33					
118N	- PAV REPAIR AREA (E)	65200.0	SQ-IN	33	227A	- EST DATA RELIABILITY	FAIR		33
226A	- DATA SOURCE	AFWLTR7426		99					
228A	- TEST SITE	TYNDAL		33					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 145 ? TYNDAL T1-2 06.05.75 08.11.75 25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	PFF	KEY	TYPE - NAME	VALUE	UNITS	RFF
1N	EXPLSIVE WEIGHT	25.0000	LBS	33	5N	DEVICF WEIGHT	25.0000	LBS	33
8N	DEPTH CF BURST	48.0000	IN	33	9N	IMPACT OBLIQUITY	.0	DEGR FES	33
12N	IMPACT VELOCITY	.0	FT/SEC	33	211A	EXPLOSIVE NAME	COMP C4		33
21N	PAVEMENT THICKNESS	12.0000	IN	33	22N	SLAB AREA	51800.0	SQ-IN	33
23N	SLAB ASPECT RATIO	.900000		33	38N	TEST AREA LENGTH	200.000	FEET	33
39N	TEST AREA WIDTH	126.000	FFFT	33	214A	PAVEMENT TYPE	PCC		33
215A	REINFORCEMENT	NONE		33	216A	CONDITION	G000		33
217A	AGE	28 DAY		33	218A	OVERLAYMENT	ACC		33
219A	JOINT TYPE	K&S		33					
41N	BASE THICKNESS	12.0000	IN	33	220A	BASE TYPE	CR ROCK		33
61N	SUB. THICKNESS	1000.00	IN	33	62N	SUB. DENSITY	.430000E-01	LB/CU-IN	33
68N	SUB. MOISTURE (BY V)	4.90000	% WATER	33	222A	SURBASE TYPE	SAND		33
223A	SURBASE SOIL CLASS	SP		33					
100N	RURBLE VOL (EJECTA)	401200.	CU-IN	33	101N	APPARENT CTR DEPTH	48.4000	IN	33
102N	APPARENT CTR RADIUS	95.2000	IN	33	103N	APPARENT CTR VOLUME	438600.	CU-IN	33
104N	TRUE CRATER DEPTH	58.6000	IN	33					
226A	DATA SOURCE	AFWLTR7426		33	227A	EST DATA RELIABILITY	FAIR		33
228A	TEST SITE	TYNDAL		33					

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	OPERATION DATE	DATE LAST UPDATED	COMMENTS
146	2	TYNDAL	11-3	06.05.75	08.11.75	25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	25.0000	LBS	33	5N	- DEVICE WEIGHT	25.0000	LBS	33
8N	- DEPTH OF BURST	48.0000	IN	33	9N	- IMPACT OBLIQUITY	.0	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	COMP C4		33
21N	- PAVEMENT THICKNESS	12.0000	IN	33	22N	- SLAB AREA	51800.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	.900000		33	38N	- TEST AREA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NONE		33	215A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33	220A	- BASE TYPE	CR ROCK		33
41N	- BASE THICKNESS	12.0000	IN	33	6 V	- SUB. DENSITY	.600000E-01	LB/CU-IN	33
61N	- SUB. THICKNESS	1000.00	IN	33	-22A	- SUBBASE TYPE	SAND		33
68N	- SUB. MOISTURE (BY V)	6.00000	% WATER	33					
223A	- SUBBASE SCIL CLASS	SP		33					
100N	- RUBBLE VOL (EJECTA)	210000.	CU-IN	33	101N	- APPARENT CTR DEPTH	45.0000	IN	33
102N	- APPARENT CTR RADIUS	78.0000	IN	33	103N	- APPARENT CTR VOLUME	356600.	CU-IN	33
104N	- TRUE CRATER DEPTH	64.9000	IN	33					
118N	- PAV REPAIR AREA (E)	57500.0	SQ-IN	33					
226A	- DATA SOURCE	AFWLTR7426		99	227A	- EST DATA RELIABILITY	FAIR		33
228A	- TEST SITE	TYNDAL		33					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UP DATED
 147 2 TYNDAL T1-4 06.05.75 08.11.75 25 LB. CHAR. 48 IN. DOB 12 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	25.0000	LRS	33	5N	- DEVICE WEIGHT	25.0000	LRS	33
8N	- DEPTH OF BURST	48.0000	IN	33	9N	- IMPACT ORLIQUITY	.0	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SFC	33	211A	- EXPLOSIVE NAME	COMP C4		33
21N	- PAVEMENT THICKNESS	12.0000	IN	33	22N	- SLAB AREA	51800.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	.900000		33	38N	- TEST AREA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NONE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33	220A	- BASE TYPE	CR ROCK		33
41N	- BASE THICKNESS	12.0000	IN	33	62N	- SUB. DENSITY	.540000E-01	LB/CU-IN	33
61N	- SUB. THICKNESS	1000.00	IN	33	222A	- SUBBASE TYPE	SAND		33
68N	- SUB. MOISTURE (BY V)	7.80000	% WATER	33					
223A	- SUBBASE SOIL CLASS	SP		33					
100N	- RUBBLE VOL (FJECTA)	196000.	CU-IN	33	101N	- APPARENT CTR DEPTH	37.9000	IN	33
102N	- APPARENT CTR RADIUS	67.2000	IN	33	103N	- APPARENT CTR VOLUME	279900.	CU-IN	33
104N	- TRUE CRATER DEPTH	53.9000	IN	33					
226A	- DATA SOURCE	AFMLTP7426			227A	- EST DATA RELIABILITY	FAIR		33
228A	- TEST SITE	TYNDAL							

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 148 2 TYNDAL T2-1 06.05.75 08.11.75 15 LB. CHAR. 42 IN. DDB 8 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	33	5N	DEVICE WEIGHT	15.0000	LBS	33
8N	DEPTH OF BURST	42.0000	IN	33	9N	IMPACT OBLIQUITY	.0	DEGREES	33
12N	IMPACT VELOCITY	.0	FT/SEC	33	211A	EXPLOSIVE NAME	COMP C4		33
21N	PAVEMENT THICKNESS	8.0000	IN	33	22N	SLAB AREA	11025.0	SQ-IN	33
23N	SLAB ASPECT RATIO	1.0000		33	38N	TEST AREA LENGTH	200.000	FEET	33
39N	TEST AREA WIDTH	126.000	FEET	33	214A	PAVEMENT TYPE	PCC		33
215A	REINFORCEMENT	NONE		33	216A	CONDITION	GOOD		33
217A	AGE	28 DAY		33	218A	OVERLAYMENT	ACC		33
219A	JOINT TYPE	K&S		33	220A	BASE TYPE	CR ROCK		33
41N	BASE THICKNESS	12.0000	IN	33					
61N	SUR. THICKNESS	1000.00	IN	33					
100N	RJBLE VOL (EJECTA)	70000.0	CU-IN	33	101N	APPARENT CTR DEPTH	20.6000	IN	33
118N	PAY REPAIR AREA (E)	41300.0	SQ-IN	33					
226A	DATA SOURCE	AFWLTR7426		99	227A	EST DATA RELIABILITY	POOR		33
228A	TEST SITE	TYNDAL		33					

RECORD NO. 149
 TEST NO. 2
 TEST SITE TYNDAL
 TEST NO. T2-7
 TEST DATE 06.05.75
 TEST CPEATION DATE 09.11.75
 TEST DATE UPDATED
 COMMENTS
 15 LB. CHAR. 6.6 IN. DOB 8 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	15.0000	LBS	33	5N	- DEVICE WEIGHT	15.0000	LBS	33
8N	- DEPTH OF BURST	66.0000	IN	33	9N	- IMPACT OBLIQUITY	.0	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	COMP C4		33
21N	- PAVEMENT THICKNESS	8.00000	IN	33	22N	- SLAB AREA	11025.0	SO-IN	33
23N	- SLAB ASPECT RATIO	1.00000		33	38N	- TEST AREA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NONE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33	220A	- BASE TYPE	CR ROCK		33
41N	- BASE THICKNESS	12.0000	IN	33	101N	- APPARENT CTR DEPTH	18.2000	IN	33
61N	- SUB. THICKNESS	1000.00	IN	33	227A	- FST DATA RELIABILITY	POOR		33
100N	- RUBBLE VOL (EJECTA)	149300.		33					
118N	- PAV REPAIR AREA (E)	46500.0	SO-IN	33					
226A	- DATA SOURCE	AFMLTR7426		99					
228A	- TEST SITE	TYNDAL		33					

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NO. SITE NO. DATE UPDATED
 150 2 TYNDAL T2-3 06.05.75 08.11.75 15 LB. CHAR. 84 IN. DDB 8 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	15.0000	LBS	33	5N	- DEVICE WEIGHT	15.0000	LBS	33
8N	- DEPTH OF BURST	84.0000	IN	33	9N	- IMPACT OBLIQUITY	.0	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	COMP C4		33
21N	- PAVEMENT THICKNESS	8.00000	IN	33	22N	- SLAB AREA	11025.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	1.00000		33	38N	- TEST ARFA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NONE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33	220A	- BASE TYPE	CR ROCK		33
41N	- BASE THICKNESS	12.0000	IN	33					
61N	- SUB. THICKNESS	1000.00	IN	33					
100N	- RUBBLE VOL (EJECTA)	121300.	CU-IN	33	101N	- APPARENT CTR DEPTH	25.3000	IN	33
118N	- PAV REPAIR AREA (E)	25600.0	SQ-IN	33					
226A	- DATA SOURCE	AFWLR7426			227A	- EST DATA RELIABILITY	POOR		33
228A	- TEST SITE	TYNDAL							

ADP PERMANENT DATA FILE LISTING FOR RECORD 151 10.03.75 FOIT NO. 23 15 LB. CHAR. 112 IN. DOB B IN. PAVEMENT

RECORD REV. TEST TFST CREATION DATE LAST COMMENTS
NO. NO. SITE NO. DATE UPDATED

151 2 TYNDAL 12-4 06.05.75 08.11.75 15 LB. CHAR. 112 IN. DOB B IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	15.0000	LBS	33	5N	DEVICE WEIGHT	15.0000	LBS	33
8N	DEPTH OF BURST	112.0000	IN	33	9N	IMPACT ORLQUITY	.0	DFGREES	33
12N	IMPACT VELOCITY	.0	FT/SEC	33	211A	EXPLOSIVE NAME	COMP C4		33
21N	PAVEMENT THICKNESS	8.00000	IN	33	22N	SLAB AREA	11025.0	SQ-IN	33
3N	SLAB ASPECT RATIO	1.00000		33	38N	TEST AREA LENGTH	200.000	FEET	33
39N	TEST AREA WIDTH	126.000	FEET	33	214A	PAVEMENT TYPE	PCC		33
215A	REINFORCEMENT	NONE		33	216A	CONDITION	GOOD		33
217A	AGE	28 DAY		33	218A	OVERLAYMENT	ACC		33
219A	JOINT TYPE	K&S		33	220A	BASE TYPE	CR ROCK		33
41N	BASE THICKNESS	12.0000	IN	33					
61N	SUB. THICKNESS	1000.00	IN	33					
100N	RURBLE VOL (FJECTA)	121300	CU-IN	33	101N	APPARENT CTR DEPTH	36.7000	IN	33
118N	PAV REPAIR AREA (E)	56000.0	SO-IN	33					
226A	DATA SOURCE	AFWLTR7426		99	227A	EST DATA RELIABILITY	POOR		33
228A	TEST SITE	TYNDAL		33					

COMMENTS

RECORD REV. TEST TFST CREATION DATE LAST
 NO. NC. SITE NO. DATE UPDATED

 152 2 TYNDAL T3-4 06.05.75 08.11.75 M117 BOMB 110 IN. DCR 12 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	386.000	LBS	33	5N	- DEVICE WEIGHT	750.000	LBS	33
8N	- DEPTH OF BURST	110.000	IN	33	9N	- IMPACT ORBITUITY	30.0000	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	TNT		33
212A	- EMPLACEMENT	HAND		33					
21N	- PAVEMENT THICKNESS	12.0000	IN	33	22N	- SLAB AREA	51800.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	.900000		33	38N	- TEST AREA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NONE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	R&S		33					
41N	- BASE THICKNESS	12.0000	IN	33	220A	- BASE TYPE	CR PCK		33
61N	- SUB. THICKNESS	120.000	IN	33	62N	- SUR. DENSITY	.495000E-01	LB/CU-IN	33
68N	- SUR. MOISTURE (BY V)	12.4000	% WATER	33	222A	- SUBBASE TYPE	CLAY		33
223A	- SUBBASE SOIL CLASS	CL		33					
100N	- RUBBLE VOL (EJECT?)	.106400E+08	CU-IN	33	101N	- APPARENT CTR DEPTH	151.000	IN	33
102N	- APPARENT CTR RADIUS	251.000	IN	33	103N	- APPARENT CTR VOLUME	.122000E+08	CU-IN	33
118N	- PAV REPAIR AREA (E)	474300.	SQ-IN	33					
226A	- DATA SOURCE	AFML TR7426		99	227A	- EST DATA RELIABILITY	FAIR		33
228A	- TEST SITE	TYNDAL		33					

REC'D REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 153 2 TYNDAL T3-2 06-05-75 08-11-75 MILL BOMB 110 IN. SOB 12 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	386.000	LBS	33	5N	DEVICE WEIGHT	750.000	LBS	33
8N	DEPTH OF BURST	110.000	IN	33	9N	IMPACT OBLIQUITY	30.0000	DEGREES	33
12N	IMPACT VELOCITY	.0	FT/SEC	33	211A	EXPLOSIVE NAME	TNT		33
212A	EMPLACEMENT	HAND		33					
21N	PAVEMENT THICKNESS	12.0000	IN	33	22N	SLAB AREA	51800.0	SQ-IN	33
23N	SLAB ASPFCT RATIO	.900000		33	38N	TEST AREA LENGTH	200.000	FEET	33
39N	TEST AREA WIDTH	126.000	FEET	33	214A	PAVEMENT TYPE	PCC		33
215A	REINFORCEMENT	NONE		33	216A	CONDITION	GOOD		33
217A	AGE	28 DAY		33	218A	OVERLAYMENT	ACC		33
219A	JOINT TYPE	K&S		33					
41N	BASE THICKNESS	12.0000	IN	33	220A	BASE TYPE	CR ROCK		33
61N	SUB. THICKNESS	120.000	IN	33	62N	SUB. DENSITY	.507000E-01	LB/CU-IN	33
68N	SUB. MOISTURE (BY V)	14.4000	% WATER	33	222A	SUBBASE TYPE	CLAY		33
223A	SUBBASE SOIL CLASS	CL		33					
100N	RUBBLE VOL (EJECTA)	.2443	CU-IN	33	101N	APPARENT CTR DEPTH	136.000	IN	33
102N	APPARENT CTR RADIUS	258.000	IN	33	103N	APPARENT CTR VOLUME	.114300E+08	CU-IN	33
104N	TRUE CRATER DEPTH	154.800	IN	33					
118N	PAV REPAIR AREA (F)	481300.	SQ-IN	33					
226A	DATA SOURCE	AFWLTR7426		99	227A	EST DATA RELIABILITY	FAIR		33
228A	TEST SITE	TYNDAL		33					

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST DATE LAST
 NO. NO. SITE NO. DATE UPDATED
 154 2 TYNDAL T3-3 06.05.75 08.11.75
 MILL RDMR 95 IN. DCR 12 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	RFV	KEY	TYPE - NAME	VALUE	UNITS	RFV
	IN - EXPLOSIVE WEIGHT	386.000	LBS	33	5N	DEVICE WEIGHT	750.000	LBS	33
	8N - DEPTH OF BURST	95.0000	IN	33	9N	IMPACT OBLIQUITY	30.0000	DEGREES	33
	12N - IMPACT VELOCITY	.0	FT/SEC	33	211A	EXPLOSIVE NAME	TNT		33
	212A - EMPLACEMENT	HAND		33					
	21N - PAVEMENT THICKNESS	12.0000	IN	33	22N	SLAB AREA	51800.0	SQ-IN	33
	23N - SLAB ASPECT RATIO	.900000		33	38N	TEST AREA LENGTH	200.000	FEET	33
	39N - TEST AREA WIDTH	126.000	FEET	33	214A	PAVEMENT TYPE	PCC		33
	215A - REINFORCEMENT	NONE		33	216A	CONDITION	GOOD		33
	217A - AGE	28 DAY		33	218A	OVERLAYMENT	ACC		33
	219A - JOINT TYPE	K&S		33					
	4IN - BASE THICKNESS	12.0000	IN	33	220A	BASE TYPE	CR ROCK		33
	61N - SUB. THICKNESS	120.000	IN	33	62N	SUB. DENSITY	.416000E-01	LB/CU-IN	33
	68N - SUB. MOISTURE (BY V)	6.70000	% WATER	33	222A	SUBBASE TYPE	SAND		33
	223A - SUBBASE SOIL CLASS	SP		33					
	100N - RUBBLE VOL (EJECTA)				101N	APPARENT CTR DEPTH	113.000	IN	33
	102N - APPARENT CTR RADIUS	187.000	IN	33	103N	APPARENT CTR VOLUME	.502000E+07	CU-IN	33
	118N - PAV REPAIR AREA (E)	326600.	SQ-IN	33					
	226A - DATA SOURCE	AFMLTR7426		99	227A	EST DATA RELIABILITY	FAIR		33
	228A - TEST SITE	TYNDAL		33					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 155 2 TYNDAL 14-1 06.05.75 08.11.75 M117 80MB 120 IN. DOB 8 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	386.000	LBS	33	5N	- DEVICE WEIGHT	750.000	LBS	33
8N	- DEPTH OF BURST	120.000	IN	33	9N	- IMPACT OBLIQUITY	.0	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	TNT		33
212A	- EMPLACEMENT	HAND		33					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	33	22N	- SLAB AREA	11025.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	1.00000		33	38N	- TEST AREA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	P/C		33
215A	- REINFORCEMENT	NONE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33					
*** BASE DATA ***									
41N	- BASE THICKNESS	12.0000	IN	33	220A	- BASE TYPE	CR ROCK		33
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	33	68N	- SUB. MOISTURE (BY V)	10.9000	% WATER	33
222A	- SUBBASE TYPE	SANDY CL		33	223A	- SUBBASE SOIL CLASS	SC		33
*** SOIL DATA ***									
*** CRATER DATA ***									
100N	- RJBLE VOL (EJECTA)	.101700E+08	CU-IN	33	101N	- APPARENT CTR DEPTH	109.000	IN	33
102N	- APPARENT CTR RADIUS	226.000	IN	33	103N	- APPARENT CTR VOLUME	.704500E+07	CU-IN	33
104N	- TRUE CRATER DEPTH	159.000	IN	33					
*** REPAIR DATA ***									
118N	- PAV REPAIR AREA (E)	494400.	SQ-IN	33					
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFHLTR7426		99	227A	- EST DATA RELIABILITY	FAIR		33
228A	- TEST SITE	TYNDAL		33					

RECORD REV. TEST TEST CREFATION DATE LAST COMMENTS
 NO. NO. SITE DATE UP DATED

156 2 TYNDAL T4-2 06.05.75 08.11.75 M117 BOMB 120 IN. DOB 8 IN. PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	386.000	LBS	33	5N	- DEVICE WEIGHT	750.000	LBS	33
8N	- DEPTH OF BURST	120.000	IN	33	9N	- IMPACT OBLIQUITY	.0	DEGREES	33
12N	- IMPACT VELOCITY	.0	FT/SEC	33	211A	- EXPLOSIVE NAME	TNT		33
212A	- EMPLACEMENT	HAND		33					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	33	22N	- SLAB AREA	11025.0	SQ-IN	33
23N	- SLAB ASPECT RATIO	1.00000		33	38N	- TEST AREA LENGTH	200.000	FEET	33
39N	- TEST AREA WIDTH	126.000	FEET	33	214A	- PAVEMENT TYPE	PCC		33
215A	- REINFORCEMENT	NONE		33	216A	- CONDITION	GOOD		33
217A	- AGE	28 DAY		33	218A	- OVERLAYMENT	ACC		33
219A	- JOINT TYPE	K&S		33					
*** PAVEMENT DATA ***									
41N	- BASE THICKNESS	12.0000	IN	33	220A	- BASE TYPE	CR ROCK		33
61N	- SUB. THICKNESS	1.000.00	IN	33	68N	- SUB. MOISTURE (3Y V)	10.4000	% WATER	33
222A	- SURBASE TYPE	SANDY CL		33	223A	- SURBASE SOIL CLASS	SC		33
*** SUBBASE DATA ***									
*** SOIL DATA ***									
*** CRATER DATA ***									
100N	- RUBBLE VOL (EJECTA)	.699800E+07	CU-IN	33	101N	- APPARENT CTR DEPTH	115.000	IN	33
102N	- APPARENT CTR RADIUS	230.000	IN	33	103N	- APPARENT CTR VOLUME	.755800E+07	CU-IN	33
104N	- TRUE CRATER DEPTH	159.000	IN	33					
*** REPAIR DATA ***									
118N	- PAV REPAIR AREA (F)	420600.	SQ-IN	33					
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFWLTR7426		99	227A	- EST DATA RELIABILITY	FAIR		33
228A	- TEST SITE	TYNDAL		33					

RECORD NO. 157
 REV. NO. 2
 TEST SITE M1
 CREATION DATE 06.05.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 5 LB. COMPB, 45.5 IN DOB, 1.2 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
4N	EXPLOSIVE WEIGHT	5.00000	LBS	26	4N	LENGTH/DIAMETER (WH)	6.25000	IN	26
5N	DEVICE WEIGHT	13.6000	LBS	26	8N	DEPTH OF RUP ST	45.5000	IN	26
9N	IMPACT OBLIQUITY	0	DEGREES	26	10N	IM. POS. FR LONG EDG	29.4000	IN	26
11N	IM. POS. FR SHRT FOG	78.6000	IN	26	12N	IMPACT VELOCITY	.0	FT/SEC	26
211A	EXPLOSIVE NAME	COMP B		26	212A	EMPLACEMENT	HAND		26
213A	FUZZING	REPC		26					
*** WEAPON DATA ***									
21N	PAVEMENT THICKNESS	12.0000	IN	26	22N	SLAB AREA	9243.00	SQ-IN	26
23N	SLAB ASPECT RATIO	.374000		26	25N	PAV. COMP. STRENGTH	5000.00	PSI	26
28N	NO. JOINTS PER SLAB	8.00000		26	32N	REBAR DIAMETER	.250000	IN	26
33N	REBAR ASPECT RATIO	1.00000		26	34N	DEPTH 1ST REBAR LAY.	2.00000	IN	26
35N	DEPTH 2ND REBAR LAY.	10.0000	IN	26	38N	TEST AREA LENGTH	65.0000	FEET	26
39N	TEST AREA WIDTH	25.0000	FEET	26	214A	PAVEMENT TYPE	PCC		26
215A	REINFORCEMENT	DOUBLE		26	216A	CONCRETION	GOOD		26
217A	AGE	28 DAY		26	218A	OVERLAYMENT	NONE		26
219A	JOINT TYPE	WELDED		26	202A	PAVEMENT DESIGN	SLABS		26
*** BASE DATA ***									
4IN	BASE THICKNESS	6.00000	IN	26	220A	BASE TYPE	CR ROCK		26
*** SURFACE DATA ***									
6IN	SUB. THICKNESS	1.00000	IN	26	62N	SUB. DENSITY	.556000E-01	L B/CU-IN	26
68N	SUR. MOISTURE (BY V)	11.8000	% WATER	26	69N	SUB. DISTENTION	.650000		26
222A	SURBASE TYPE	SAND		26	223A	SURBASE SOIL CLASS	SP		26
*** SOIL DATA ***									
101N	APPARENT CTR DEPTH	18.0000	IN	26	102N	APPARENT CTR RADIUS	18.0000	IN	26
110N	MAX UPHEAVAL HEIGHT	6.80000	IN	26	225A	CRATER TYPE (MES)	CAMO-HEAVE		26
*** REPAIR DATA ***									
115N	NO. SLABS REPL (F)	1.00000		26	116N	NO. SLABS REPL (SP)	3.00000		26
117N	NO. SLABS REPL (P)	3.00000		26	118N	PAV REPAIR AREA (F)	9243.00	SQ-IN	26
119N	PAV REPAIR AREA (SP)	27730.0	SQ-IN	26	120N	PAV REPAIR AREA (P)	27730.0	SQ-IN	26
*** EXTRA INFORMATION ***									
226A	DATA SOURCE	SED-006		99	227A	EST DATA RELIABILITY	GOOD		99
228A	TEST SITE	ORLANDO		26					

COMMENTS

RECD NO. REV. TEST SITE CREATION DATE LAST DATE UPDATED
 158 2 MHO 06.05.75 09.17.75
 5 LB. COMPB, 39.5 IN DOB, 12 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	5.00000	LBS	26	4N	- LENGTH/DIAMETER (MH)	6.25000	IN	26
5N	- DEVICE WEIGHT	13.6000	LBS	26	8N	- DEPTH OF PIJST	39.5000	IN	26
9N	- IMPACT OBLIQUITY	.0	DEGREES	26	10N	- IM. POS. FR LONG EDG	29.4000	IN	26
11N	- IM. POS. FR SHRT EDG	78.6000	IN	26	12N	- IMPACT VELOCITY	.0	FT/SEC	26
211A	- EXPLOSIVE NAME	COMP B		26	212A	- EPLACEMENT	HAND		26
213A	- FJZING	B6PC		26					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	12.0000	IN	26	22N	- SLAB AREA	9243.00	SQ-IN	26
23N	- SLAB ASPECT RATIO	.374000		26	25N	- PAV. COMP. STRENGTH	5000.00	PSI	26
28N	- NO. JOINTS PER SLAB	8.00000		26	32N	- REBAR DIAMETER	.250000	IN	26
33N	- REBAR ASPECT RATIO	1.00000		26	34N	- DEPTH 1ST REBAR LAY.	2.00000	IN	26
35N	- DEPTH 2ND REBAR LAY.	10.0000	IN	26	38N	- TEST AREA LENGTH	65.0000	FEET	26
39N	- TEST AREA WIDTH	25.0000	FEET	26	214A	- PAVEMENT TYPE	PCC		26
215A	- REINFORCEMENT	DOUBLE		26	216A	- CONDITION	GOOD		26
217A	- AGE	28 DAY		26	218A	- OVERLAYMENT	NONE		26
219A	- JOINT TYPE	WELDED		26	202A	- PAVEMENT DESIGN	SLABS		26
*** BASE DATA ***									
41N	- BASE THICKNESS	6.00000	IN	26	220A	- BASE TYPE	CR ROCK		26
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	26	62N	- SUB. DENSITY	.556000E-01	LB/CU-IN	26
68N	- SUB. MOISTURE (BY V)	11.8000	% WATER	26	69N	- SUB. DISTENTION	.650000		26
222A	- SUBBASE TYPE	SAND		26	223A	- SUBBASE SOIL CLASS	SP		26
*** SOIL DATA ***									
*** CRATER DATA ***									
101N	- APPARENT CTR DEPTH	30.0000	IN	26	102N	- APPARENT CTR RADIUS	42.0000	IN	26
110N	- MAX UPHEAVAL HEIGHT	54.6000	IN	26	225A	- CRATER TYPE (MES)	CAMG-HEAVE		26
*** REPAIR DATA ***									
115N	- NO. SLABS REPL (E)	1.00000		26	116N	- NO. SLABS REPL (SP)	3.00000		26
117N	- NO. SLABS REPL (P)	5.00000		26	118N	- PAV REPAIR AREA (E)	9243.00	SQ-IN	26
119N	- PAV REPAIR AREA (SP)	27730.0	SQ-IN	26	120N	- PAV REPAIR AREA (P)	46220.0	SQ-IN	26
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	SED-006		99	227A	- EST DATA RELIABILITY	5.000		99
228A	- TEST SITE	ORLANDO		26					

RECORD NO. 159 TEST NO. 2 MWD
 TEST SITE M3
 CREATION DATE 06.05.75
 DATE LAST UPDATED 09.17.75
 COMMENTS
 4 LR. COMPB, 31.6 IN D09, 12 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE HEIGHT	3.67000	LRS	26	4N	- LENGTH/DIAMETER (MM)	6.25000	IN	26
5N	- DEVICE WEIGHT	8.33000	LRS	26	8N	- DEPTH OF BURST	31.6000	IN	26
9N	- IMPACT ORBITQUITY	30.0000	DEGREES	26	10N	- IM. POS. FR LONG FRG	29.4000	IN	26
11N	- IM. POS. FR SHRT EDG	78.6000	IN	26	12N	- IMPACT VELOCITY	.0	FT/SFC	26
211A	- EXPLOSIVE NAME	COMP B		26	212A	- EMPLACEMENT	HAND		26
213A	- FUZING	BCPC		26					
*** WEAPON DATA ***									
21N	- PAVEMENT THICKNESS	12.0000	IN	26	22N	- SLAB AREA	9243.00	SQ-IN	26
23N	- SLAB ASPECT RATIO	.374000		26	25N	- PAV. COMP. STRENGTH	5000.00	PSI	26
28N	- NO. JOINTS PER SLAB	8.00000		26	32N	- REBAR DIAMETER	.250000	IN	26
33N	- REBAR ASPECT RATIO	1.00000		26	34N	- DEPTH 1ST REBAR LAY.	2.00000	IN	26
35N	- DEPTH 2ND REBAR LAY.	10.0000	IN	26	38N	- TEST AREA LENGTH	65.0000	FEET	26
39N	- TEST AREA WIDTH	25.0000	FEET	26	214A	- PAVEMENT TYPE	PCC		26
215A	- REINFORCEMENT	00JURLE		26	216A	- CONDITION	GOOD		26
217A	- AGE	28 DAY		26	218A	- OVERLAYMENT	NONE		26
219A	- JOINT TYPE	WELDED		26	202A	- PAVEMENT DESIGN	SLABS		26
*** PAVEMENT DATA ***									
41N	- BASE THICKNESS	6.00000	IN	26	220A	- BASE TYPE	CR ROCK		26
*** SURBASE DATA ***									
61N	- SUR. THICKNESS	1000.00	IN	26	62N	- SUR. DENSITY	.556000E-01	LB/CU-IN	26
68N	- SUR. MOISTURE (BY V)	11.8000	% WATER	26	69N	- SUR. DISTENT IDN	.650000		26
222A	- SURBASE TYPE	SAND		26	223A	- SURBASE SOIL CLASS	SP		26
*** SOIL DATA ***									
101N	- APPARENT CTR DEPTH	30.0000	IN	26	102N	- APPARENT CTR RADIUS	36.0000	IN	26
110N	- MAX UPHEAVAL HEIGHT	4.00000	IN	26	225A	- CRATER TYPE (WES)	CAMP-HEAVE		26
*** REPAIR DATA ***									
115N	- NO. SLABS REPL (E)	1.00000		26	116N	- NO. SLABS REPL (SP)	3.00000		26
117N	- NO. SLABS REPL (P)	5.00000		26	118N	- PAV REPAIR AREA (E)	9243.00	SQ-IN	26
119N	- PAV REPAIR AREA (SP)	27730.0	SQ-IN	26	120N	- PAV REPAIR AREA (P)	46220.0	SQ-IN	26
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	SED-006		99	227A	- FST DATA RELIABILITY	6.000		99
228A	- TEST SITE	ORLANDO		26					

RECORD REV. TEST TFST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 160 2 MMD 06.05.75 09.17.75 4 LB. COMPB, 32.8 IN DIA, 12 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALJF	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	3.67000	LBS	26	4N	- LENGTH/DIAMETER (MM)	6.25000	IN	26
5N	- DEVICE WEIGHT	8.33000	LBS	26	8N	- DEPTH OF BURST	32.3000	IN	26
9N	- IMPACT ORLIGUITY	.0	DEGREES	26	10N	- IM. POS. FR LONG EDG	12.0000	IN	26
11N	- IM. POS. FR SHRT EDG	78.6000	IN	26	12N	- IMPACT VELOCITY	.0	FT/SEC	26
211A	- EXPLOSIVE NAME	COMP B		26	212A	- FMPLACEMENT	HAND		26
213A	- FUZING	86PC		26					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	12.0000	IN	26	22N	- SLAB AREA	9243.00	SQ-IN	26
23N	- SLAB ASPECT RATIO	.374000		26	25N	- PAV. COMP. STRENGTH	5000.00	PSI	26
28N	- NO. JOINTS PER SLAB	8.00000		26	32N	- REBAR DIAMETER	.250000	IN	26
33N	- REBAR ASPECT RATIO	1.00000		26	34N	- DEPTH 1ST REBAR LAY.	2.00000	IN	26
35N	- DEPTH 2ND REBAR LAY.	10.0000	IN	26	38N	- TEST AREA LENGTH	65.0000	FEET	26
39N	- TEST AREA WIDTH	25.0000	FEET	26	214A	- PAVEMENT TYPE	PCC		26
215A	- REINFORCEMENT	DOUBLE		26	216A	- CONDITION	GOOD		26
217A	- AGE	28 DAY		26	218A	- OVERLAYMENT	NONE		26
219A	- JOINT TYPE	WELDED		26	202A	- PAVEMENT DESIGN	SLABS		26
*** BASE DATA ***									
41N	- BASE THICKNESS	6.00000	IN	26	220A	- BASE TYPE	CR ROCK		26
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	26	62N	- SUB. DENSITY	.556000E-01	LB/CU-IN	26
68N	- SUB. MOISTURE (BY V)	25.0000	% WATER	26	69N	- SUB. DISTENT ION	.650000		26
222A	- SUBBASE TYPE	SAND		26	223A	- SUBBASE SOIL CLASS	SP		26
*** SOIL DATA ***									
*** CRATER DATA ***									
101N	- APPARENT CTR DEPTH	34.0000	IN	26	102N	- APPARENT CTR RADIUS		IN	26
110N	- MAX UPHEAVAL HEIGHT	17.0000	IN	26	225A	- CRATER TYPE (WES)	CAMD-HEAVE		26
*** REPAIR DATA ***									
115N	- NO. SLABS REPL (E)	2.00000		26	116N	- NO. SLABS REPL (SP)	2.00000		26
117N	- NO. SLABS REPL (P)	5.00000		26	118N	- PAV REPAIR AREA (E)	18490.0	SQ-IN	26
119N	- PAV REPAIR AREA (SP)	18490.0	SQ-IN	26	120N	- PAV REPAIR AREA (P)	46220.0	SQ-IN	26
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	SED-006		99	227A	- EST DATA RELIABILITY	GOOD		99
228A	- TEST SITE	ORLANDO		26					

RECORD REV. TFST TEST CREATION DATE LAST
 NO. NO. SITE DATE UPDATED

 161 2 MM0 M5 06.05.75 09.17.75
 COMMENTS
 4 LB. COMP9, 32.8 IN DOB, 12 IN PAVEMENT

KFY	TYPE - NAME	VALUE	UNITS	REF	KFY	TYPE - NAME	VALUE	UNITS	REF
	*** WEAPON DATA ***								
IN	- EXPLOSIVE WEIGHT	3.67000	LBS	26	4N	- LENGTH/DIAMETER (WH)	6.25000	IN	26
5N	- DEVICE WEIGHT	8.33000	LBS	26	8N	- DEPTH OF BURST	32.8000	IN	26
9N	- IMPACT OBLIQUITY	.0	DEGREES	26	10N	- IM. POS. FR LONG EDG	12.0000	IN	26
11N	- IM. POS. FR SHRT EDG	12.0000	IN	26	12N	- IMPACT VELOCITY	.0	FT/SEC	26
211A	- EXPLOSIVE NAME	COMP B		26	212A	- EMPLACEMENT	HAND		26
213A	- FUZING	86PC		26					
	*** PAVEMENT DATA ***								
21N	- PAVEMENT THICKNESS	12.0000	IN	26	22N	- SLAB AREA	9243.00	SQ-IN	26
23N	- SLAB ASPECT RATIO	.374000		26	25N	- COMP. STRENGTH	5000.00	PSI	26
28N	- NO. JOINTS PER SLAB	8.00000		26	32N	- REBAR DIAMETER	.250000	IN	26
33N	- REBAR ASPECT RATIO	1.00000		26	34N	- DEPTH 1ST REBAR LAY.	2.00000	IN	26
35N	- DEPTH 2ND REBAR LAY.	10.0000	IN	26	38N	- TEST AREA LENGTH	65.0000	FEET	26
39N	- TEST AREA WIDTH	25.0000	FEET	26	214A	- PAVEMENT TYPE	PCC		26
215A	- REINFORCEMENT	DOURLE		26	216A	- CONDITION	GOOD		26
217A	- AGE	28 DAY		26	218A	- OVERLAYMENT	NONE		26
219A	- JOINT TYPE	WELDED		26	202A	- PAVEMENT DESIGN	SLABS		26
	*** BASE DATA ***				220A	- BASE TYPE	CR ROCK		26
41N	- BASE THICKNESS	6.00000	IN	26					
	*** SUBBASE DATA ***				62N	- SUB. DENSITY	.556000E-01	LB/CU-IN	26
61N	- SUB. THICKNESS	1000.00	IN	26	69N	- SUB. DISTENTION	.650000		26
68N	- SUB. MOISTURE (BY V)	11.8000	% WATER	26	223A	- SURBASE SOIL CLASS	SP		26
222A	- SUBBASE TYPE	SAND		26					
	*** SOIL DATA ***								
	*** CRATER DATA ***				102N	- APPARENT CTR RADIUS	42.0000	IN	26
101N	- APPARENT CTR DEPTH	34.0000	IN	26	225A	- CRATER TYPE (WES)	CAMD-HEAVE		26
110N	- MAX UPHEAVAL HEIGHT	12.2000	IN	26					
	*** REPAIR DATA ***				116N	- NO. SLABS REPL (SP)	4.00000		26
115N	- NO. SLABS REPL (E)	3.00000		26	118N	- PAV REPAIR AREA (E)	27730.0	SQ-IN	26
117N	- NO. SLABS REPL (P)	4.00000		26	120N	- PAV REPAIR AREA (P)	36970.0	SQ-IN	26
119N	- PAV REPAIR AREA (SP)	36970.0	SQ-IN	26					
	*** EXTRA INFORMATION ***				227A	- FST DATA RELIABILITY	GOOD		99
226A	- DATA SOURCE	SED-006		99					
228A	- TEST SITE	ORLANDG		26					

RECORD NO. 162 REV. NO. 1 TEST SITE USNCEL TEST NO. NI CREATION DATE 06.05.75 DATE LAST UPDATED 06.12.75 COMMENTS MK 82 BOMB, M990 FUZE, AIR DROP

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF						
*** WEAPON DATA ***																	
1N	-	EXPLOSIVE WEIGHT	192.000	LBS	25	4N	-	LENGTH/DIAMETER (WH)	6.00000	IN	25						
5N	-	DEVICE WEIGHT	500.000	LBS	25	8N	-	DEPTH OF BURST	108.000	LBS	25						
9N	-	IMPACT ORLIQUITY	45.0000	DEGREES	25	13N	-	TNT EQUIVALENT EXPL.	192.000	LBS	25						
211A	-	EXPLOSIVE NAME	TNT		25	212A	-	EMPLACEMENT	AIR DROP		25						
213A	-	FUZZING	5 SEC DELA		25	*** PAVEMENT DATA ***											
21N	-	PAVEMENT THICKNESS	8.00000	IN	25	38N	-	TEST AREA LENGTH	4.000.00	FEET	25						
39N	-	TEST AREA WIDTH	210.000	FEET	25	214A	-	PAVEMENT TYPE	ACC		25						
215A	-	REINFORCEMENT	NONE		25	216A	-	CONDITION	POOR		25						
217A	-	AGE	OLD		25	218A	-	OVERLAYMENT	NONE		25						
219A	-	JOINT TYPE	NONE		25	*** BASE DATA ***											
220A	-	BASE TYPE	NONE		25	58N	-	SUB. MOISTURE (BY V)	4.00000	% WATER	25						
61N	-	SJB. THICKNESS	60.0000	IN	25	223A	-	SUBBASE SOIL CLASS	SW		25						
222A	-	SUBBASE TYPE	SAND		25	*** SOIL DATA ***											
*** CRATER DATA ***																	
101N	-	APPARENT CTR DEPTH	96.0000	IN	25	102N	-	APPARENT CTR RADIUS	180.000	IN	25						
103N	-	APPARENT CTR VOLUME	.484000E+07	CU-IN	25	225A	-	CRATER TYPE (WES)	STANDARD		25						
*** REPAIR DATA ***																	
118N	-	PAV REPAIR AREA (E)	230400.	SQ-IN	25	*** EXTRA INFORMATION ***											
226A	-	DATA SOURCE	TR-R-297		99	227A	-	EST DATA RELIABILITY	POOR		99						
228A	-	TEST SITE	USNCEL		25												

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 163 I USMCEL N2 06.05.75 06.12.75 MK 82 BOMB. M990 FUZE, AIR DRDP

KEY	TYPE	NAME	VALUE	UNITS	REF	KEY	TYPE	NAME	VALUE	UNITS	REF
			*** WEAPON DATA ***								
IN	-	EXPLOSIVE WEIGHT	192.000	LBS	25	4N	-	LENGTH/DIAMETER (MH)	6.00000	IN	25
5N	-	DEVICE WEIGHT	500.000	LBS	25	8N	-	DEPTH OF BURST	.0	LBS	25
9N	-	IMPACT OBLIQUITY	45.0000	DEGREES	25	13N	-	TNT EQUIVALENT EXPL.	192.000		25
211A	-	EXPLOSIVE NAME	TNT		25	212A	-	EMPLACEMENT	AIR DRDP		25
213A	-	FUZZING	IMPACT		25						
			*** PAVEMENT DATA ***								
21N	-	PAVEMENT THICKNESS	8.00000	IN	25	38N	-	TEST AREA LENGTH	4000.00	FEET	25
39N	-	TEST AREA WIDTH	210.000	FEET	25	214A	-	PAVEMENT TYPE	ACC		25
215A	-	REINFORCEMENT	NONE		25	216A	-	CONDITION	POOR		25
217A	-	AGE	OLD		25	218A	-	OVERLAYMENT	NONE		25
219A	-	JOINT TYPE	NONE		25						
			*** BASE DATA ***								
220A	-	BASE TYPE	NONE		25						
			*** SUBBASE DATA ***								
61N	-	SUB. THICKNESS	60.0000	IN	25	68N	-	SUB. MOISTURE (BY V)	4.00000	% WATER	25
222A	-	SURBASE TYPE	SAND		25	223A	-	SURBASE SOIL CLASS	SM		25
			*** SOIL DATA ***								
			*** CRATER DATA ***								
101N	-	APPARENT CTR DEPTH	60.0000	IN	25	102N	-	APPARENT CTR RADIUS	105.000	IN	25
103N	-	APPARENT CTR VOLUME	.103600E+07	CU-IN	25	225A	-	CRATER TYPE (MES)	STANDARD		25
			*** REPAIR DATA ***								
118N	-	PAV REPAIR AREA (E)	288000.	SQ-IN	25						
			*** EXTRA INFORMATION ***								
226A	-	DATA SOURCE	TR-R-297		99	227A	-	EST DATA RELIABILITY	POOR		99
228A	-	TEST SITE	USNCEL		25						

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 164 1 USNCEL N3 06.05.75 06.12.75 MK 82 BOMB, M990 FUZE, AIR DROP

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	- EXPLOSIVE WEIGHT	192.000	LBS	25	4N	- LENGTH/DIAMETER (MH)	6.00000		25
5N	- DEVICE WEIGHT	500.000	LBS	25	8N	- DEPTH OF BURST	108.000	IN	25
9N	- IMPACT OBLIQUITY	45.0000	DEGREES	25	13N	- TNT EQUIVALENT EXPL.	192.000	LBS	25
211A	- EXPLOSIVE NAME	TNT		25	212A	- EMPLACEMENT	AIR DROP		25
213A	- FZING	5 SEC DELA		25					
*** PAVEMENT DATA ***									
21N	- PAVEMENT THICKNESS	8.00000	IN	25	38N	- TEST AREA LENGTH	4000.00	FEET	25
39N	- TEST AREA WIDTH	210.000	FEET	25	214A	- PAVEMENT TYPE	ACC		25
215A	- REINFORCEMENT	NONE		25	216A	- CONDITION	POOR		25
217A	- AGE	OLD		25	218A	- OVERLAYMENT	NONE		25
219A	- JOINT TYPE	NONE		25					
*** BASE DATA ***									
220A	- BASE TYPE	NONE		25					
*** SUBBASE DATA ***									
61N	- SJB. THICKNESS	60.0000	IN	25	68N	- SUB. MOISTURE (BY V)	4.00000	% WATER	25
222A	- SUBBASE TYPE	SAND		25	223A	- SUBBASE SOIL CLASS	SM		25
*** SOIL DATA ***									
*** CRATER DATA ***									
101N	- APPARENT CTR DEPTH	84.0000	IN	25	102N	- APPARENT CTR RADIUS	190.000	IN	25
101N	- APPARENT CTR VOLUME	.432000E+07	CU-IN	25	225A	- CRATER TYPE (MES)	STANDARD		25
*** REPAIR DATA ***									
118N	- PAV REPAIR AREA (E)	194400.	SQ-IN	25					
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	TR-R-297		99	227A	- EST DATA RELIABILITY	POOR		99
228A	- TEST SITE	USNCEL		25					

RECORD NO. 165 TEST NO. N4 TEST SITE USNCF1 CREATION DATE 06.05.75 DATE LAST UPDATED 06.05.75
 MK 81 90MB, M990 FUZE, AIR DROP

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	100.000	LBS	25	4N	LENGTH/DIAMETER (MH)	5.50000	IN	25
5N	DEVICE WEIGHT	250.000	LBS	25	8N	DEPTH OF BURST	96.0000	LBS	25
9N	IMPACT OBLIQUITY	45.0000	DEGREFS	25	13N	TNT EQUIVALENT EXPL.	100.000		25
211A	EXPLOSIVE NAME	TNT		25	212A	EMPLACEMENT	AIR DROP		25
213A	FUZING	5 SEC DELA		25					
21N	PAVEMENT THICKNESS	8.00000	IN	25	38N	TEST AREA LENGTH	4000.00	FEET	25
39N	TEST AREA WIDTH	210.000	FEET	25	214A	PAVEMENT TYPE	ACC		25
215A	REINFORCEMENT	NONE		25	216A	CONDITION	PDDR		25
217A	AGE	OLD		25	218A	OVERLAYMENT	NONE		25
219A	JOINT TYPE	NONE		25					
220A	BASE TYPE	NONE		25	68N	SUB-MOISTURE (BY V)	4.00000	% WATER	25
61N	SUB-THICKNESS	60.0000	IN	25	223A	SUBBASE SOIL CLASS	SM		25
222A	SUBBASE TYPE	SAND		25					
101N	APPARENT CTR DEPTH	60.0000	IN	25	102N	APPARENT CTR RADIUS	150.000	IN	25
103N	APPARENT CTR VOLUME	.207360E+07	CU-IN	25	225A	CRATER TYPE (WES)	STANDARD		25
118N	PAV REPAIR AREA (E)	286000.	50-IN	25					
226A	DATA SOURCE	TR-R-297		99	227A	EST DATA RELIABILITY	PDDR		99
228A	TEST SITE	USNCF1		25					

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST
 NO. NC. SITE NO. NO. DATE UPDATED

166 0 USNCEL N5 06.05.75 06.05.75 MK 81 BOMB, M990 FUZE, AIR DROP

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	- EXPLOSIVE WEIGHT	100.000	LRS	25	4N	- LENGTH/DIAMETER (WH)	5.50000	IN	25
5N	- DEVICE WEIGHT	250.000	LRS	25	8N	- DEPTH OF BURST	.0	LRS	25
9N	- IMPACT OBLIQUITY	.0	DEGPFES	25	13N	- TNT EQUIVALENT FXPL.	100.000		25
211A	- EXPLOSIVE NAME	TNT		25	212A	- EMLACEMENT	AIR DROP		25
213A	- FIZING	5 SEC DELA		25					
		*** WEAPON DATA ***							
2IN	- PAVEMENT THICKNESS	8.00000	IN	25	38N	- TEST AREA LENGTH	4000.00	FFET	25
39N	- TEST AREA WIDTH	210.000	FEET	25	214A	- PAVEMENT TYPE	ACC		25
215A	- REINFORCEMENT	NONE		25	216A	- CONDITION	POOR		25
217A	- AGE	OLD		25	218A	- OVERLAYMENT	NONE		25
219A	- JOINT TYPE	NONE		25					
		*** PAVEMENT DATA ***							
220A	- BASE TYPE	NONE		25	68N	- SUB. MOISTURE (BY V)	4.00000	% WATER	25
		*** BASE DATA ***			223A	- SUBBASE SOIL CLASS	SW		25
6IN	- SUB. THICKNESS	60.0000	IN	25					
222A	- SUBBASE TYPE	SAND		25					
		*** SUBBASE DATA ***							
10IN	- APPARENT CTR DEPTH	60.0000	IN	25	102N	- APPARENT CTR RADIUS	93.0000	IN	25
103N	- APPARENT CTR VOLUME	864000.	CU-IN	25	225A	- CRATER TYPE (MES)	STANDARD		25
		*** SOIL DATA ***							
118N	- PAV REPAIR AREA (E)	86400.0	SQ-IN	25					
		*** CPATER DATA ***							
226A	- DATA SOURCE	TR-R-297		99	227A	- EST DATA RELIABILITY	POOR		99
228A	- TEST SITE	USNCEL		25					
		*** EXTRA INFORMATION ***							

COMMENTS

DATE LAST

UPDATED

TEST NO.

TEST SITE

REV. NO.

AVERAGE OF 5 TESTS, 40 LB. EXPLOSIVE

06.05.75 06.05.75

06.05.75

06.05.75

FBI

FT BRAGG

0

0

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	40.0000	LBS	21	8N	DEPTH OF BURST	60.0000	IN	21
211A	EXPLOSIVE NAME	UNKNOWN		21	212A	EMPLACEMENT	HAND		21
21N	PAVEMENT THICKNESS	6.00000	IN	21	214A	PAVEMENT TYPE	PCC		21
215A	REINFORCEMENT	NONE		21	217A	AGE	OLD		21
220A	BASE TYPE	NONE		21					
101N	APPARENT CTR DEPTH	66.0000	IN	21	102N	APPARENT CTR RADIUS	96.0000	IN	21
226A	DATA SOURCE	MP4-526			227A	EST DATA RELIABILITY	POOR		99
228A	TEST SITE	FT BRAGG		21					

COMMENTS

RECORD REV. TEST TFST CREATION DATE LAST
 NO. NO. SITE NO. DATE UPDATED

 168 0 EGLIN E1 09.30.75 09.30.75 AVG OF SEVERAL TESTS, STATIC MILL RMRS

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	IN - EXPLOSIVE WEIGHT	392.000	LBS	31	5N	DEVICE WEIGHT	750.000	LBS	31
	8N - DEPTH OF BURST	102.000	IN	31	9N	IMPACT OBLIQUITY	50.0000	DEGREES	31
	13N - TNT EQUIVALENT EXPL.	392.000	LBS	31	211A	EXPLOSIVE NAME	TNT		31
	212A - EMPLACEMENT	HAND		31	213A	FUZZING	C4 CHARGE		31
	ZIN - PAVEMENT THICKNESS	6.00000	IN	31	214A	PAVEMENT TYPE	ACC		31
	4IN - BASE THICKNESS	1000.00	IN	31	220A	BASE TYPE	SAND		31
	221A - BASE SOIL CLASS	SP		31					
	101N - APPARENT CTR DEPTH	168.000	IN	31	102N	APPARENT CTR RADIUS	258.000	IN	31
	118N - PAV REPAIR AREA (F)	354700.	SQ-IN	31					
	226A - DATA SOURCE	APGCTR6516		31	227A	EST DATA RELIABILITY	POOR		31
	228A - TEST SITE	EGLIN		31					

COMMENTS

RECORD REV. TEST CREATION DATE LAST
 NO. NO. SITE DATE DATE UPDATED

 169 1 EGLIN E2 06.05.75 06.12.75

 AVG. OF 2 TESTS, AIR DROP #117 ROMBS

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	386.000	LBS	31	5N	DEVICE WEIGHT	750.000	LBS	23
8N	DEPTH OF BURST	102.000	IN	23	13N	TNT EQUIVALENT EXPL.	392.000	LBS	23
211A	EXPLOSIVE NAME	TNT		23	212A	EMPLACEMENT	AIR DROP		23
213A	FUZZING	DELAY		23					
21N	PAVEMENT THICKNESS	6.00000	IN	23	214A	PAVEMENT TYPE	ACC		23
217A	AGE	OLD		23					
220A	BASE TYPE	NONE		23					
61N	SUB. THICKNESS	1000.00	IN	23	222A	SUBBASE TYPE	SAND		23
223A	SUBBASE SOIL CLASS	SP		23					
101N	APPARENT CTR DEPTH	120.000	IN	23	102N	APPARENT CTR RADIUS	186.000	IN	23
118N	PAV REPAIR ARFA (E)	119500.	SQ-IN	23					
226A	DATA SOURCE	APGCTR 6516		99	227A	EST DATA RELIABILITY	POOR		99
228A	TEST SITE	EGLIN		23					

COMMENTS

RECORD NO. TEST SITE NO. TEST NO. CREATION DATE DATE LAST UPDATED

170 2 CERF C29 06.12.75 09.17.75 1.5 LB, 30 IN DOB, 14 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
IN	- EXPLOSIVE WEIGHT	1.50000	LBS	40	2N	- EXPLOSIVE DENSITY	.578000F-01	LB/CU-IN	40
5N	- DEVICE WEIGHT	1.50000	LBS	40	6N	- AVG CASE THICKNESS	.0	IN	40
8N	- DEPTH OF BURST	30.00000	IN	40	9N	- IMPACT OBLIQUITY	.0	DEGREES	40
12N	- IMPACT VELOCITY	.0	FT/SEC	40	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	40
211A	- EXPLOSIVE NAME	COMP C 4		40	212A	- EMPLACEMENT	HAND		40
213A	- FUZING	86PC		40					
		*** PAVEMENT DATA ***							
22N	- SLAB AREA	90000.0	SQ-IN	40	23N	- SLAB ASPECT RATIO	1.00000		40
31N	- REBAR DENSITY	.0	IN/SQ-IN	40	214A	- PAVEMENT TYPE	PCC		40
215A	- REINFORCEMENT	NONE		40	217A	- AGE	28 DAY		40
218A	- OVERLAYMENT	NONE		40	201A	- PAV CONSTRUCTION	POURED		40
202A	- PAVEMENT DESIGN	SLABS		40					
		*** BASE DATA ***							
41N	- BASE THICKNESS	6.00000	IN	40	220A	- BASE TYPE	GRVL-SAND		40
221A	- BASE SOIL CLASS	GM		40					
		*** SUBBASE DATA ***							
61N	- SUB. THICKNESS	72.00000	IN	40	222A	- SUBBASE TYPE	CAMD-HEAVE		40
223A	- SUBBASE SOIL CLASS	CL		40					
		*** SOIL DATA ***							
81N	- SOIL THICKNESS	1000.00	IN	40	224A	- SOIL CLASSIFICATION	SM		40
		*** CRATER DATA ***							
101N	- APPARENT CTR DEPTH	.0	IN	40	102N	- APPARENT CTR RADIUS	1.80000	IN	40
103N	- APPARENT CTR VOLUME	.0	CU-IN	40	104N	- TRUE CRATER DEPTH	39.00000	IN	40
105N	- TRUE CRATER RADIUS	19.00000	IN	40	106N	- TRUE CRATER VOLUME	14340.0	CU-IN	40
107N	- EARTH CRATER VOLUME	14340.0	CU-IN	40	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	40
111N	- FALL-BACK VOLUME	.0	CU-IN	40					
		*** REPAIR DATA ***							
226A	- DATA SOURCE	AFWLTR7066		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	CERF		40					

RECORD NO. 171 TEST SITE TEST NO. C30 CREATION DATE 06.12.75 DATE LAST UPDATED 09.25.75 COMMENTS
 3 CERF 1.5 LB. 30 IN DOB, 14 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	27					
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27					
8N	- DEPTH OF PURST	30.0000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27					
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27					
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27					
213A	- FUZING	B&PC		27	*** PAVEMENT DATA ***									
22N	- SLAB AREA	90000.0	SQ-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27					
31N	- REBAR DENSITY	.0	IN/SQ-IN	27	214A	- PAVEMENT TYPE	PCC		27					
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27					
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27					
202A	- PAVEMENT DESIGN	SLABS		27	*** BASE DATA ***									
41N	- BASE THICKNESS	6.00000	IN	27	220A	- BASE TYPE	GRVL-SAND		27					
221A	- BASE SOIL CLASS	GM		27	*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	27	222A	- SUBBASE TYPE	SILTY SAND		27					
223A	- SUBBASE SOIL CLASS	SM		27	*** SOIL DATA ***									
*** CRATER DATA ***														
101N	- APPARENT CTR DEPTH	4.00000	IN	27	102N	- APPARENT CTR RADIUS	21.0000	IN	27					
103N	- APPARENT CTR VOLUME	1382.00	CU-IN	27	104N	- TRUE CRATER DEPTH	30.0000	IN	27					
105N	- TRUE CRATER RADIUS	11.5000	IN	27	106N	- TRUE CRATER VOLUME	6912.00	CU-IN	27					
107N	- EARTH CRATER VOLUME	5530.00	CU-IN	27	108N	- PAVEMENT CTR VOLUME	1382.00	CU-IN	27					
111N	- FALL-BACK VOLUME	2592.00	CU-IN	27	225A	- CRATER TYPE (MES)	CAMD-SPALL		27					
*** REPAIR DATA ***														
226A	- DATA SOURCE	AFHLTR7066		99	227A	- EST DATA RELIABILITY	FAIR		99					
228A	- TEST SITE	CERF		27	*** EXTRA INFORMATION ***									

RECORD REV. TEST TFST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 172 3 CERF C31 06.12.75 09.25.75 1.5 LR, 30 IN DOB, 1.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
1N	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27					
5N	DEVICE WEIGHT	1.50000	LBS	27	6N	AVG CASE THICKNESS	.0	IN	27					
8N	DEPTH OF BURST	30.0000	IN	27	9N	IMPACT OBLIQUITY	.0	DEGREES	27					
12N	IMPACT VELOCITY	.0	FT/SEC	27	13N	TNT EQUIVALENT EXPL.	1.63800	LBS	27					
211A	EXPLOSIVE NAME	COMP C4		27	212A	EMPLACEMENT	HAND		27					
213A	FUZZING	B&PC		27	*** PAVEMENT DATA ***									
22N	SLAB AREA	90000.0	SO-IN	27	23N	SLAB ASPECT RATIO	1.00000		27					
31N	REBAR DENSITY	.0	IN/SQ-IN	27	214A	PAVEMENT TYPE	PCC		27					
215A	REINFORCEMENT	NONE		27	217A	AGE	28 DAY		27					
218A	OVERLAYMENT	NONE		27	201A	PAV CONSTRUCTION	POURED		27					
202A	PAVEMENT DESIGN	SLABS		27	220A	BASE TYPE	GRVL-SAND		27					
41N	BASE THICKNESS	10.0000	IN	27	222A	SUBBASE TYPE	SILTY SAND		27					
221A	BASE SOIL CLASS	G4		27	*** SOIL DATA ***									
61N	SUB. THICKNESS	1000.00	IN	27	102N	APPARENT CTR RADIUS	3.00000	IN	27					
223A	SUBBASE SOIL CLASS	SM		27	104N	TRUE CRATER DEPTH	4.0000	IN	27					
*** SUBBASE DATA ***														
101N	APPARENT CTR DEPTH	1.75000	IN	27	106N	TRUE CRATER VOLUME	5875.00	CU-IN	27					
103N	APPARENT CTR VOLUME	12.0000	CU-IN	27	108N	PAVEMENT CTR VOLUME	.0	CU-IN	27					
105N	TRUE CRATER RADIUS	13.0000	IN	27	225A	CRATER TYPE (MES)	CAMOUFLET		27					
107N	EARTH CRATER VOLUME	.587500E+10	CU-IN	27	*** REPAIR DATA ***									
111N	FALL-BACK VOLUME	864.000	CU-IN	27	226A	DATA SOURCE	AFMLTR7066		99					
*** EXTRA INFORMATION ***														
228A	TEST SITE	CERF		27	227A	EST DATA RELIABILITY	FAIR		99					

RECORD REV. TEST TFSST CREATION DATE LAST
 NO. NO. SITE NO. NO. DATE UPDATED

 173 3 CERF C32 06.12.75 09.25.75
 COMMENTS

 1.5 LR, 30 IN DOB, 14 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27
8N	- DEPTH OF BURST	30.00000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27
213A	- FUZING	B&PC		27					
22N	- SLAB AREA	90000.0	SQ-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27
31N	- REBAR DENSITY	.0	IN/SQ-IN	27	214A	- PAVEMENT TYPE	PCC		27
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27
202A	- PAVEMENT DESIGN	SLABS		27					
41N	- BASE THICKNESS	6.00000	IN	27	220A	- BASE TYPE	GRVL-SAND		27
221A	- BASE SOIL CLASS	GH		27					
61N	- SUB. THICKNESS	1000.00	IN	27	222A	- SUBBASE TYPE	SILTY SAND		27
223A	- SUBBASE SOIL CLASS	SM		27					
101N	- APPARENT CTR DEPTH	4.00000	IN	27	102N	- APPARENT CTR RADIUS	24.0000	IN	27
103N	- APPARENT CTR VOLUME	2160.00	CU-IN	27	104N	- TRUE CRATER DEPTH	38.0000	IN	27
105N	- TRUE CRATER RADIUS	13.0000	IN	27	106N	- TRUE CRATER VOLUME	6566.00	CU-IN	27
107N	- FATH CRATER VOLUME	4320.00	CU-IN	27	108N	- PAVEMENT CTR VOLUME	2246.00	CU-IN	27
111N	- FALL-BACK VOLUME	4147.00	CU-IN	27	225A	- CRATER TYPE (WES)	CAMP-SPALL		27
226A	- DATA SOURCE	AFWLTR7066		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	CERF		27					

COMMENTS

RECORD REV. TEST TEST CREATION DATE LAST DATE COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 174 3 CERF C33 06.17.75 09.25.75 1.5 LB, 30 IN DOB, 1.0 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
		*** WEAPON DATA ***							
	1N - EXPLOSIVE WEIGHT	1.50000	LBS	27	2N - EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27	
	5N - DEVICE WEIGHT	1.50000	LBS	27	6N - AVG CASE THICKNESS	.0	IN	27	
	8N - DEPTH OF BURST	30.0000	IN	27	9N - IMPACT OBLIQUITY	.0	DEGREES	27	
	12N - IMPACT VELOCITY	.0	FT/SEC	27	13N - TNT EQUIVALENT EXPL.	1.63800	LBS	27	
	211A - EXPLOSIVE NAME	COMP C4		27	212A - EMPLACEMENT	HAND		27	
	213A - FUZING	B&PC		27					
		*** PAVEMENT DATA ***							
	22N - SLAB AREA	90000.0	SQ-IN	27	23N - SLAB ASPECT RATIO	1.00000		27	
	31N - REBAR DENSITY	.0	IN/SQ-IN	27	214A - PAVEMENT TYPE	PCC		27	
	215A - REINFORCEMENT	NONE		27	217A - AGF	28 DAY		27	
	218A - OVERLAYMENT	NONE		27	201A - PAV CONSTRUCTION	POURED		27	
	202A - PAVEMENT DESIGN	SLABS		27					
		*** BASE DATA ***							
	41N - BASE THICKNESS	10.0000	IN	27	220A - BASE TYPE	GRVL-SAND		27	
	221A - BASE SOIL CLASS	GM		27					
		*** SUBBASE DATA ***							
	61N - SUB. THICKNESS	1000.00	IN	27	222A - SUBBASE TYPE	SILTY SAND		27	
	223A - SUBBASE SOIL CLASS	SM		27					
		*** SOIL DATA ***							
		*** CRATER DATA ***							
	101N - APPARENT CTR DEPTH	16.0000	IN	27	102N - APPARENT CTR RADIUS	41.0000	IN	27	
	103N - APPARENT CTR VOLUME	21000.0	CU-IN	27	104N - TRUE CRATER DEPTH	39.0000	IN	27	
	105N - TRUE CRATER RADIUS	10.5000	IN	27	106N - TRUE CRATER VOLUME	27127.0	CU-IN	27	
	107N - EARTH CRATER VOLUME	4147.00	CU-IN	27	108N - PAVEMENT CTR VOLUME	22980.0	CU-IN	27	
	111N - FALL-BACK VOLUME	1728.00	CU-IN	27	225A - CRATER TYPE (WES)	STANDARD		27	
		*** REPAIR DATA ***							
		*** EXTRA INFORMATION ***							
	226A - DATA SOURCE	AFWLTR7066		99	227A - EST DATA RELIABILITY	FAIR		99	
	228A - TEST SITE	CERF		27					

COMMENTS

1.5 LB, 30 IN DDB, 14 IN PAYMENT

80P PERMANENT DATA FILE LISTING FOR RECORD 175 10.03.75 FOIT NO. 23

RECORD REV. TEST TEST CREATION DATE LAST
NO. NO. SITE NO. DATE UPDATED

175 3 CERF C34 06.12.75 09.25.75

KEY	TYPE - NAME	VALUE	UNITS	RFF	KEY	TYPE - NAME	VALUE	UNITS	RFF					
*** WEAPIN DATA ***														
1N	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27					
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27					
8N	- DEPTH OF BURST	30.00000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27					
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27					
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27					
213A	- FUZING	B&PC		27	*** PAVEMENT DATA ***									
22N	- SLAB AREA	90000.0	SO-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27					
31N	- REBAR DENSITY	.0	IN/SO-IN	27	214A	- PAVEMENT TYPE	PCC		27					
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27					
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27					
202A	- PAVEMENT DESIGN	SLABS		27	*** BASE DATA ***									
41N	- BASE THICKNESS	6.00000	IN	27	220A	- BASE TYPE	GRVL-SAND		27					
221A	- BASE SOIL CLASS	GM		27	*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	27	222A	- SUBBASE TYPE	SILTY SAND		27					
223A	- SUBBASE SOIL CLASS	SM		27	*** SOIL DATA ***									
*** CRATER DATA ***														
101N	- APPARENT CTR DEPTH	.0	IN	27	102N	- APPARENT CTR RADIUS	1.20000	IN	27					
103N	- APPARENT CTR VOLUME	.0	CU-IN	27	104N	- TRUE CRATER DEPTH	38.0000	IN	27					
105N	- TRUE CRATER RADIUS	11.0000	IN	27	106N	- TRUE CRATER VOLUME	4492.00	CU-IN	27					
107N	- EARTH CRATER VOLUME	4492.00	CU-IN	27	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	27					
111N	- FALL-BACK VOLUME	1382.00	CU-IN	27	225A	- CRATER TYPE (MES)	C AND HEAVE		27					
*** REPAIR DATA ***														
226A	- DATA SOURCE	AFWL TR7066		99	227A	- FST DATA RELIABILITY	FAIR		99					
228A	- TEST SITE	CERF		27	*** EXTRA INFORMATION ***									

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE SITE NO. DATE UPDATED
 176 3 CERF C35 06.12.75 09.25.75 1.5 LB, 30 IN DDB, 10 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.579000E-01	LB/CU-IN	27
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASF THICKNESS	.0	IN	27
8N	- DEPTH OF BURST	30.00000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63300	LBS	27
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27
213A	- FUZING	R&PC		27					
*** PAVEMENT DATA ***									
22N	- SLAB AREA	90000.0	SQ-IN	27	23N	- SLAR ASPECT RATIO	1.00000		27
31N	- REBAR DENSITY	.0	IN/50-IN	27	214A	- PAVEMENT TYPE	PCC		27
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27
202A	- PAVEMENT DESIGN	SLABS		27					
*** BASE DATA ***									
41N	- BASE THICKNESS	10.0000	IN	27	220A	- BASE TYPE	GRVL-SAND		27
221A	- BASE SOIL CLASS	GM		27					
*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	27	222A	- SUBBASE TYPE	SILTY SAND		27
223A	- SUBBASE SOIL CLASS	SM		27					
*** SOIL DATA ***									
*** CRATER DATA ***									
101N	- APPARENT CTR DEPTH	10.0000	IN	27	102N	- APPARENT CTR RADIUS	60.0000	IN	27
103N	- APPARENT CTR VOLUME	13000.0	CU-IN	27	104N	- TRUE CRATER DEPTH	40.0000	IN	27
105N	- TRUE CRATER RADIUS	10.0000	IN	27	106N	- TRUE CRATER VOLUME	34210.0	CU-IN	27
107N	- EARTH CRATER VOLUME	3110.00	CU-IN	27	108N	- PAVEMENT CTR VOLUME	31100.0	CU-IN	27
111N	- FALL-BACK VOLUME	3110.00	CU-IN	27	225A	- CRATER TYPE (MES)	STANDARD		27
*** REPAIR DATA ***									
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFMLTR7066		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	CERF		27					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED

 177 3 CERF C36 06.12.75 09.25.75 1.5 LB, 30 IN DOR, 14 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF					
*** WEAPON DATA ***														
IN	- EXPLOSIVE WEIGHT	1.5000C	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27					
5N	- DEVICE WEIGHT	1.5000C	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27					
8N	- DEPTH OF BURST	30.0000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27					
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27					
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27					
213A	- FUZING	B&PC		27	*** PAVEMENT DATA ***									
22N	- SLAB AREA	90000.0	SO-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27					
31N	- REBAR DENSITY	.0	IN/50-IN	27	214A	- PAVEMENT TYPE	PCC		27					
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27					
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27					
202A	- PAVEMENT DESIGN	SLABS		27	*** BASE DATA ***									
41N	- BASE THICKNESS	6.00000	IN	27	220A	- BASE TYPE	GRVL-SAND		27					
221A	- BASE SOIL CLASS	GM		27	*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	1000.00	IN	27	222A	- SUBBASE TYPE	SILTY SAND		27					
223A	- SUBBASE SOIL CLASS	SM		27	*** SOIL DATA ***									
*** CRATER DATA ***														
101N	- APPARENT CTR DEPTH	.0	IN	27	102N	- APPARENT CTR RADIUS	1.20000	IN	27					
103N	- APPARENT CTR VOLUME	.0	CU-IN	27	104N	- TRUE CRATER DEPTH	44.0000	IN	27					
105N	- TRUE CRATER RADIUS	13.0000	IN	27	106N	- TRUE CRATER VOLUME	10890.0	CU-IN	27					
107N	- EARTH CRATER VOLUME	10890.0	CU-IN	27	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	27					
111N	- FALL-BACK VOLUME	1900.00	CU-IN	27	225A	- CRATER TYPE (MES)	CAMOUFLET		27					
*** REPAIR DATA ***														
226A	- DATA SOURCE	AFWLTR7066		99	227A	- EST DATA RELIABILITY	FAIR		99					
228A	- TFST SITE	CERF		27	*** EXTRA INFORMATION ***									

RECORD REV. TEST TEST NO. CREATION DATE LAST DATE COMMENTS
 NO. NO. SITE NO. DATE UPDATED

178 3 CERF C37 06.12.75 09.25.75 1.5 LB, 30 IN DOB, 10 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	DEVICE WEIGHT	1.50000	LBS	27	6N	AVG CASE THICKNESS	.0	IN	27
8N	DEPTH OF BURST	30.0000	IN	27	9N	IMPACT OBLIQUITY	.0	DEGREES	27
12N	IMPACT VELOCITY	.0	FT/SEC	27	13N	TNT EQUIVALENT EXPL.	1.63900	LBS	27
211A	EXPLOSIVE NAME	COMP C4		27	212A	EMPLACEMENT	HAND		27
213A	FUZZING	B&PC		27					
22N	SLAB AREA	90000.0	SO-IN	27	23N	SLAB ASPECT RATIO	1.00000		27
31N	REBAR DENSITY	.0	IN/SQ-IN	27	214A	PAVEMENT TYPE	PCC		27
215A	REINFORCEMENT	NONE		27	217A	AGE	28 DAY		27
218A	OVERLAYMENT	NONE		27	201A	PAV CONSTRUCTION	POURED		27
202A	PAVEMENT DESIGN	SLABS		27					
41N	BASE THICKNESS	10.0000	IN	27	220A	BASE TYPE	GRVL-SAND		27
221A	BASE SOIL CLASS	GM		27					
61N	SUB. THICKNESS	1000.00	IN	27	222A	SUBBASE TYPE	SILTY SAND		27
223A	SUBBASE SOIL CLASS	SM		27					
101N	APPARENT CTR DEPTH	.0	IN	27	102N	APPARENT CTR RADIUS	1.20000	IN	27
103N	APPARENT CTR VOLUME	.0	CU-IN	27	104N	TRUE CRATER DEPTH	39.0000	IN	27
105N	TRUE CRATER RADIUS	19.0000	IN	27	106N	TRUE CRATER VOLUME	7776.00	CU-IN	27
107N	EARTH CRATER VOLUME	7776.00	CU-IN	27	108N	PAVEMENT CTR VOLUME	.0	CU-IN	27
111N	FALL-BACK VOLUME	5875.00	CU-IN	27	225A	CRATER TYPE (WES)	CAMOUFLET		27
226A	DATA SOURCE	AFWLR7066		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	CERF		27					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 179 3 CERF C38 06.12.75 09.25.75 1.5 LB, 30 IN DOB, 8 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF					
*** WEAPON DATA ***														
1N	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27					
5N	- DEVICF HEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27					
8N	- DEPTH OF RURST	30.0000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREFS	27					
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27					
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27					
213A	- FUZING	B&PC		27	*** PAVEMENT DATA ***									
22N	- SLAB AREA	90000.0	SQ-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27					
31N	- REFRAP DENSITY	.0	IN/SQ-IN	27	214A	- PAVEMENT TYPE	PCC		27					
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27					
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27					
202A	- PAVEMENT DESIGN	SLABS		27	*** BASE DATA ***									
41N	- BASE THICKNESS	12.0000	IN	27	220A	- BASE TYPE	GRVL-SAND		27					
221A	- BASE SOIL CLASS	GW		27	*** SUBBASE DATA ***									
61N	- SUB. THICKNESS	72.0000	IN	27	222A	- SUBBASE TYPE	CLAY		27					
223A	- SUBBASE SOIL CLASS	CL		27	*** SOIL DATA ***									
81N	- SOIL THICKNESS	1000.00	IN	27	224A	- SOIL CLASSIFICATION	SM		27					
*** CRATER DATA ***														
101N	- APPARENT CTR DEPTH	.0	IN	27	102N	- APPARENT CTR RADIUS	1.20000	IN	27					
103N	- APPARENT CTR VOLUME	.0	CU-IN	27	104N	- TRUE CRATER DEPTH	43.0000	IN	27					
105N	- TRUE CRATER RADIUS	17.0000	IN	27	106N	- TRUE CRATER VOLUME	12960.0	CU-IN	27					
107N	- EARTH CRATER VOLUME	12960.0	CU-IN	27	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	27					
111N	- FALL-BACK VOLUME	.0	CU-IN	27	225A	- CRATER TYPE (MES)	CAMD-HEAVE		27					
*** REPAIR DATA ***														
226A	- DATA SOURCE	AFWLTR 7066		99	227A	- EST DATA RELIABILITY	FAIR		99					
228A	- TEST SITE	CERF		27										

COMMENTS

1.5 LB, 30 IN DOR, 14 IN PAVEMENT

06.12.75 09.25.75

RECORD NO.	REV. NO.	TEST SITE	CREATION DATE	DATE LAST UPDATED	COMMENTS
180	3	CERF	06.12.75	09.25.75	1.5 LB, 30 IN DOR, 14 IN PAVEMENT
KEY	TYPE - NAME	VALUE	UNITS	REF	
IN	- EXPLOSIVE WEIGHT	1.50000	LBS	27	
5N	- DEVICE WEIGHT	1.50000	LBS	27	
8N	- DEPTH OF BURST	30.0000	IN	27	
12N	- IMPACT VELOCITY	.0	FT/SEC	27	
211A	- EXPLOSIVE NAME	COMP C4		27	
213A	- FUZING	B&PC		27	
*** WEAPON DATA ***					
2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27	
6N	- AVG CASE THICKNESS	.0	IN	27	
9N	- IMPACT OBLIQUITY	.0	DEGREES	27	
13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27	
212A	- EMPLACEMENT	HAND		27	
*** PAVEMENT DATA ***					
22N	- SLAB AREA	90000.0	SQ-IN	27	
31N	- REBAR DENSITY	.0	IN/SQ-IN	27	
215A	- REINFORCEMENT	NONE		27	
218A	- OVERLAYMENT	NONE		27	
202A	- PAVEMENT DESIGN	SLABS		27	
*** BASE DATA ***					
41N	- BASE THICKNESS	6.00000	IN	27	
221A	- BASE SOIL CLASS	GW		27	
*** SURBASE DATA ***					
61N	- SUB. THICKNESS	72.0000	IN	27	
223A	- SUBBASE SOIL CLASS	CL		27	
*** SOIL DATA ***					
81N	- SOIL THICKNESS	1000.00	IN	27	
*** CRATER DATA ***					
101N	- APPARENT CTR DEPTH	.0	IN	27	
103N	- APPARENT CTR VOLUME	.0	CU-IN	27	
105N	- TRUE CRATER RADIUS	16.0000	IN	27	
107N	- EARTH CRATER VOLUME	13820.0	CU-IN	27	
111N	- FALL-BACK VOLUME	5184.00	CU-IN	27	
*** REPAIR DATA ***					
226A	- DATA SOURCE	AFWLTR7066		99	
228A	- TEST SITE	CERF		27	
*** EXTRA INFORMATION ***					
227A	- EST DATA RELIABILITY	FAIR		99	

RECORD NO. 181
 REV. NO. 3
 TEST SITE CERF
 TEST NO. C40
 CREATION DATE 06.12.75
 DATE LAST UPDATED 09.25.75
 COMMENTS
 1.5 LR, 30 IN DOR, 8 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
181	3 CERF								
	IN - EXPLOSIVE WEIGHT	1.50000	LBS	27	2N - EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27	
	5N - DEVICE WEIGHT	1.50000	LBS	27	6N - AVG CASE THICKNESS	.0	IN	27	
	8N - DEPTH OF BURST	30.0000	IN	27	9N - IMPACT OBLIQUITY	.0	DEGREES	27	
	12N - IMPACT VELOCITY	.0	FT/SEC	27	13N - TNT EQUIVALENT EXPL.	1.63800	LBS	27	
	211A - EXPLOSIVE NAME	COMP C4		27	212A - EMPLACEMENT	HAND		27	
	213A - FUZING	R&PC		27					
	22N - SLAB AREA	90000.0	SO-IN	27	23N - SLAB ASPECT RATIO	1.00000		27	
	31N - REBAR DENSITY	.0	IN/SQ-IN	27	214A - PAVEMENT TYPE	PCC		27	
	215A - REINFORCEMENT	NONE		27	217A - AGE	28 DAY		27	
	218A - OVERLAYMENT	NONE		27	201A - PAV CONSTRUCTION	POURED		27	
	202A - PAVEMENT DESIGN	SLABS		27					
	41N - BASE THICKNESS	12.0000	IN	27	220A - BASE TYPE	GRVL-SAND		27	
	221A - BASE SOIL CLASS	GW		27					
	61N - SUR. THICKNESS	72.0000	IN	27	222A - SUBBASE TYPE	CLAY		27	
	223A - SUBBASE SOIL CLASS	CL		27					
	81N - SOIL THICKNESS	1000.00	IN	27	224A - SOIL CLASSIFICATION	SM		27	
	101N - APPARENT CTR DEPTH	8.00000	IN	27	102N - APPARENT CTR RADIUS	14.0000	IN	27	
	103N - APPARENT CTR VOLUME	1881.00	CU-IN	27	104N - TRUE CRATER DEPTH	36.0000	IN	27	
	105N - TRUE CRATER RADIUS	16.0000	IN	27	106N - TRUE CRATER VOLUME	10440.0	CU-IN	27	
	107N - EARTH CRATER VOLUME	8640.00	CU-IN	27	108N - PAVEMENT CTR VOLUME	1800.00	CU-IN	27	
	111N - FALL-BACK VOLUME	6556.00	CU-IN	27	225A - CRATER TYPE (MES)	STANDARD		27	
	226A - DATA SOURCE	AFWLT 7066		27	227A - EST DATA RELIABILITY	FAIR		99	
	228A - TEST SITE	CERF		27					

RECORD NO. 182
 TEST NO. C41
 CREATION DATE 06.12.75
 DATE LAST UPDATED 09.25.75
 COMMENTS: 1.5 LR, 30 IN DOB, 14 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
1N	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	DEVICE WEIGHT	1.50000	LBS	27	6N	AVG CASE THICKNESS	.0	IN	27
8N	DEPTH OF BURST	30.0000	IN	27	9N	IMPACT OBLIQUITY	.0	DEGREES	27
12N	IMPACT VELOCITY	.0	FT/SEC	27	13N	TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	EXPLOSIVE NAME	COMP C4		27	212A	EMPLACEMENT	HAND		27
213A	FUZZING	BCPC		27					
*** PAVEMENT DATA ***									
22N	SLAB AREA	90000.0	SQ-IN	27	23N	SLAB ASPECT RATIO	1.00000		27
31N	REBAR DENSITY	.0	IN/SQ-IN	27	214A	PAVEMENT TYPE	PCC		27
215A	REINFORCEMENT	NONE		27	217A	AGF	28 DAY		27
218A	OVERLAYMENT	NONE		27	201A	PAV CONSTRUCTION	POURED		27
202A	PAVEMENT DES IGN	SLABS		27					
*** BASE DATA ***									
41N	BASE THICKNESS	6.00000	IN	27	220A	BASE TYPE	GRVL-SAND		27
221A	BASE SOIL CLASS	GM		27					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	72.0000	IN	27	222A	SUBBASE TYPE	CLAY		27
223A	SUBBASE SOIL CLASS	CL		27					
*** SOIL DATA ***									
81N	SOIL THICKNESS	1000.00	IN	27	224A	SOIL CLASSIFICATION	SM		27
*** CRATER DATA ***									
101N	APPARENT CTR DEPTH	.0	IN	27	102N	APPARENT CTR RADIUS	1.20000	IN	27
103N	APPARENT CTR VOLUME	.0	CU-IN	27	104N	TRUE CRATER DEPTH	38.0000	IN	27
105N	TRUE CRATER RADIUS	18.5000	IN	27	106N	TRUE CRATER VOLUME	12100.0	CU-IN	27
107N	EARTH CRATER VOLUME	12100.0	CU-IN	27	108N	PAVEMENT CTR VOLUME	.0	CU-IN	27
111N	FALL-BACK VOLUME	.0	CU-IN	27	225A	CRATER TYPE (WES)	CAMD-HEAVE		27
*** REPAIR DATA ***									
226A	DATA SOURCE	AFML TP 7066		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	CERF		27					

RECORD NO. 183
 REV. NO. 3
 TEST SITE CERF
 CREATIION DATE 06.12.75
 DATE UPDATED 09.25.75
 COMMENTS
 1.5 LR, 30 IN DOR, 8 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	27
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27
8N	- DEPTH OF BURST	30.0000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPACEMENT	HAND		27
213A	- FIZING	B&PC		27					
22N	- SLAB AREA	90000.0	SQ-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27
31N	- REBAR DENSITY	.0	IN/SQ-IN	27	214A	- PAVEMENT TYPE	PCC		27
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27
218A	- OVERLAYMENT	NONE		27	201A	- PAV CONSTRUCTION	POURED		27
202A	- PAVEMENT DESIGN	SLABS		27					
41N	- BASE THICKNESS	12.0000	IN	27	220A	- BASE TYPE	GRVL-SAND		27
221A	- BASE SOIL CLASS	GM		27					
61N	- SUB. THICKNESS	72.0000	IN	27	222A	- SUBBASE TYPE	CLAY		27
223A	- SJBBASE SOIL CLASS	CL		27					
81N	- SOIL THICKNESS	1000.00	IN	27	224A	- SOIL CLASSIFICATION	SM		27
101N	- APPARENT CTR DEPTH	12.0000	IN	27	102N	- APPARENT CTR RADIUS	38.0000	IN	27
103N	- APPARENT CTR VOLUME	38000.0	CU-IN	27	104N	- TRUE CRATER DEPTH	38.0000	IN	27
105N	- TRUE CRATER RADIUS	19.0000	IN	27	106N	- TRUE CRATER VOLUME	46830.0	CU-IN	27
107N	- EARTH CRATER VOLUME	12270.0	CU-IN	27	108N	- PAVEMENT CTR VOLUME	34560.0	CU-IN	27
111N	- FALL-BACK VOLUME	7949.00	CU-IN	27	225A	- CRATER TYPE (WES)	STANDARD		27
226A	- DATA SOURCE	AFWLTR7066		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	CERF		27					

COMMENTS

RECORD NO. 184 REV. NO. 3 TEST SITE NO. C43 C43
 CREATION DATE 06.12.75 DATE LAST UPDATED 09.25.75
 COMMENTS: 1.5 LB, 30 IN DOB, 14 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	RFF
1N	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	DEVICE WEIGHT	1.50000	LBS	27	6N	AVG CASE THICKNESS	.0	IN	27
8N	DEPTH OF BURST	30.0000	IN	27	9N	IMPACT OBLIQUITY	.0	DEGREES	27
12N	IMPACT VELOCITY	.0	FT/SEC	27	13N	TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	EXPLOSIVE NAME	COMP C4		27	212A	EMPLACEMENT	HAND		27
213A	FUZING	B&PC		27					
22N	SLAB AREA	90000.0	SQ-IN	27	23N	SLAB ASPECT RATIO	1.00000		27
31N	REBAR DENSITY	.0	IN/SQ-IN	27	214A	PAVEMENT TYPE	PCC		27
215A	REINFORCEMENT	NONE		27	217A	AGE	28 DAY		27
218A	OVERLAYMENT	NONE		27	201A	PAV CONSTRUCTION	POURED		27
202A	PAVEMENT DESIGN	SLABS		27					
41N	BASE THICKNESS	6.00000	IN	27	220A	BASE TYPE	GRVL-SAND		27
221A	BASE SOIL CLASS	GM		27					
61N	SUB. THICKNESS	72.0000	IN	27	222A	SUBBASE TYPE	CLAY		27
223A	SUBBASE SOIL CLASS	CL		27					
81N	SOIL THICKNESS	1000.00	IN	27	224A	SOIL CLASSIFICATION	SM		27
101N	APPARENT CTR DEPTH	.0	IN	27	102N	APPARENT CTR RADIUS	1.20000	IN	27
103N	APPARENT CTR VOLUME	.0	CU-IN	27	104N	TRUF CRATER DEPTH	38.0000	IN	27
105N	TRUE CRATER RADIUS	18.0000	IN	27	106N	TRUE CRATER VOLUME	14690.0	CU-IN	27
107N	EARTH CRATER VOLUME	14690.0	CU-IN	27	108N	PAVEMENT CTR VOLUME	.0	CU-IN	27
111N	FALL-BACK VOLUME	2764.00	CU-IN	27	225A	CRATER TYPE (WES)	CANOUFLET		27
226A	DATA SOURCE	AFWL TR7066		99	227A	FST DATA RELIABILITY	FAIR		99
228A	TEST SITE	CERF		27					

RECORD REV. TEST SITE CREATION DATE LAST COMMENTS
 NO. NO. NO. DATE UPDATED
 185 3 CERF C44 06.12.75 09.25.75 1.5 LB. 30 IN DDP, 8 IN PAVEMENT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUF	UNITS	REF
*** WEAPON DATA ***									
IN	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	DEPTH OF BURST	30.00000	IN	27	6N	AVG CASE THICKNESS	.0	IN	27
12N	IMPACT VELOCITY	.0	FT/SEC	27	9N	IMPACT ORLTIQUITY	.0	DEGREES	27
211A	EXPLOSIVE NAME	COMP C4		27	13N	TNT EQUIVALENT EXPL.	1.63800	LBS	27
213A	FUZZING	B&PC		27	212A	EMPLACEMENT	HAND		27
*** PAVEMENT DATA ***									
22N	SLAB AREA	90000.0	SO-IN	27	23N	SLAB ASPECT RATIO	1.00000		27
31N	REBAR DENSITY	.0	IN/50-IN	27	214A	PAVEMENT TYPE	PCC		27
215A	REINFORCEMENT	NONE		27	217A	AGE	28 DAY		27
218A	OVERLAYMENT	NONE		27	201A	PAV CONSTRUCTION	POURED		27
202A	PAVEMENT DESIGN	SLABS		27					
*** BASE DATA ***									
61N	BASE THICKNESS	12.0000	IN	27	220A	BASE TYPE	GRVL-SAND		27
221A	BASE SOIL CLASS	GW		27					
*** SUBBASE DATA ***									
61N	SUB. THICKNESS	72.0000	IN	27	222A	SUBBASE TYPE	CLAY		27
223A	SJBBASE SOIL CLASS	CL		27					
*** SOIL DATA ***									
81N	SOIL THICKNESS	1000.00	IN	27	224A	SOIL CLASSIFICATION	SM		27
*** CRATER DATA ***									
101N	APPARENT CTR DEPTH	12.0000	IN	27	102N	APPARENT CTR RADIUS	56.0000	IN	27
103N	APPARENT CTR VOLUME	45300.0	CU-IN	27	104N	TRUE CRATER DEPTH	40.0000	IN	27
105N	TRUE CRATER RADIUS	22.0000	IN	27	106N	TRUE CRATER VOLUME	60820.0	CU-IN	27
107N	EARTH CRATER VOLUME	16760.0	CU-IN	27	108N	PAVEMENT CTR VOLUME	44060.0	CU-IN	27
111N	FALL-BACK VOLUME	18316.0	CU-IN	27	225A	CRATER TYPE (WES)	STANDARD		27
*** REPAIR DATA ***									
226A	DATA SOURCE	AFWLTR 7066		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	CERF		27					

RECORD NO.	REV. NO.	TEST SITE	TEST NO.	CREATION DATE	DATE LAST UPDATED	COMMENTS
186	3	CERF	C45	06.12.75	09.25.75	1.5 LB, 30 IN DDB, 8 IN PCC, 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27
8N	- DEPTH OF BURST	30.0000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27
213A	- FUZING	BEPC		27					
*** PAVEMENT DATA ***									
22N	- SLAB AREA	90000.0	SO-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27
31N	- REBAR DENSITY	.0	IN/SO-IN	27	214A	- PAVEMENT TYPE	PCC		27
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27
218A	- OVERLAYMENT	ACC		27	201A	- PAV CONSTRUCTION	POURED		27
202A	- PAVEMENT DES IGN	SLABS		27					
*** BASE DATA ***									
41N	- BASE THICKNESS	12.0000	IN	27	220A	- BASE TYPE	GRVL-SAND		27
221A	- BASE SOIL CLASS	GM		27					
*** SUBBASE DATA ***									
61N	- SUR. THICKNESS	72.0000	IN	27	222A	- SUBBASE TYPE	CLAY		27
223A	- SUBBASE SOIL CLASS	CL		27					
*** SOIL DATA ***									
81N	- SOIL THICKNESS	1000.00	IN	27	224A	- SOIL CLASSIFICATION	SM		27
*** CRATER DATA ***									
101N	- APPARENT CTR DEPTH	.0	IN	27	102N	- APPARENT CTR RADIUS	1.20000	IN	27
103N	- APPARENT CTR VOLUME	.0	CU-IN	27	104N	- TRUE CRATER DEPTH	42.0000	IN	27
105N	- TRUE CRATER RADIUS	21.0000	IN	27	106N	- TRUE CRATER VOLUME	12270.0	CU-IN	27
107N	- FATH CRATER VOLUME	12270.0	CU-IN	27	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	27
111N	- FALL-BACK VOLUME	.0	CU-IN	27	225A	- CRATER TYPE (MES)	CAMOUFLET		27
*** REPAIR DATA ***									
*** EXTRA INFORMATION ***									
226A	- DATA SOURCE	AFML TR7066		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	CERF		27					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE UPDATED
 187 3 CERF C46 06.12.75 09.25.75 1.5 LB, 30 IN DOB, 8 IN PCC, 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	DEVICE WEIGHT	1.50000	LBS	27	6N	AVG CASE THICKNESS	.0	IN	27
8N	DEPTH OF BURST	30.0000	IN	27	9N	IMPACT OBLIQUITY	.0	DEGREES	27
12N	IMPACT VELOCITY	.0	FT/SEC	27	13N	TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	EXPLOSIVE NAME	COMP C4		27	212A	EMPLACEMENT	HAND		27
213A	FUZZING	98PC		27					
22N	SLAB AREA	90000.0	SQ-IN	27	23N	SLAB ASPECT RATIO	1.00000		27
31N	REBAR DENSITY	.0	IN/SQ-IN	27	214A	PAVEMENT TYPE	PCC		27
215A	REINFORCEMENT	NONE		27	217A	AGE	28 DAY		27
218A	OVERLAYMENT	ACC		27	201A	PAV CONSTRUCTION	POURED		27
202A	PAVEMENT DESIGN	SLABS		27					
41N	BASE THICKNESS	12.0000	IN	27	220A	BASE TYPE	GRVL-SAND		27
221A	BASE SOIL CLASS	GM		27					
61N	SUR. THICKNESS	72.0000	IN	27	222A	SURBASE TYPE	CLAY		27
223A	SURBASE SOIL CLASS	CL		27					
81N	SOIL THICKNESS	1000.00	IN	27	224A	SOIL CLASSIFICATION	SM		27
101N	APPARENT CTR DEPTH	.0	IN	27	102N	APPARENT CTR RADIUS	1.20000	IN	27
103N	APPARENT CTR VOLUME	.0	CU-IN	27	104N	TRUE CRATER DEPTH	43.0000	IN	27
105N	TRUE CRATER RADIUS	18.0000	IN	27	106N	TRUE CRATER VOLUME	7948.00	CU-IN	27
107N	EARTH CRATER VOLUME	7948.00	CU-IN	27	108N	PAVEMENT CTR VOLUME	.0	CU-IN	27
111N	FALL-BACK VOLUME	.0	CU-IN	27	225A	CRATER TYPE (MES)	CAMOUFLET		27
226A	DATA SOURCE	AFWLR7066		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	CERF		27					

COMMENTS

DATE LAST

TEST NO.

RECORD NO.

188 3 CERF C47 06.12.75 09.25.75 1.5 LB, 30 IN DDB, 8 IN PCC, 4 IN ACC

1.5 LB, 30 IN DDB, 8 IN PCC, 4 IN ACC

KEY	TYPE - NAME	VALUE	UNITS	PFF	KEY	TYPE - NAME	VALUE	UNITS	REF
1N	- EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	- EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	- DEVICE WEIGHT	1.50000	LBS	27	6N	- AVG CASE THICKNESS	.0	IN	27
8N	- DEPTH OF BURST	30.00000	IN	27	9N	- IMPACT OBLIQUITY	.0	DEGREES	27
12N	- IMPACT VELOCITY	.0	FT/SEC	27	13N	- TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	- EXPLOSIVE NAME	COMP C4		27	212A	- EMPLACEMENT	HAND		27
213A	- FUZING	B&PC		27					
22N	- SLAB AREA	90000.0	SQ-IN	27	23N	- SLAB ASPECT RATIO	1.00000		27
31N	- REBAR DENSITY	.0	IN/SQ-IN	27	214A	- PAVEMENT TYPE	PCC		27
215A	- REINFORCEMENT	NONE		27	217A	- AGE	28 DAY		27
218A	- OVERLAYMENT	ACC		27	201A	- PAV CONSTRUCTION	POURED		27
202A	- PAVEMENT DESIGN	SLABS		27					
41N	- BASE THICKNESS	12.0000	IN	27	220A	- BASE TYPE	GRVL-SAND		27
221A	- BASE SOIL CLASS	GM		27					
61N	- SUB. THICKNESS	72.0000	IN	27	222A	- SUBBASE TYPE	CLAY		27
223A	- SUBBASE SOIL CLASS	CL		27					
81N	- SOIL THICKNESS	1000.00	IN	27	224A	- SOIL CLASSIFICATION	SM		27
101N	- APPARENT CTR DEPTH	.0	IN	27	102N	- APPARENT CTR RADIUS	1.20000	IN	27
103N	- APPARENT CTR VOLUME	.0	CU-IN	27	104N	- TRUE CRATER DEPTH	46.0000	IN	27
105N	- TRUE CRATER RADIUS	18.0000	IN	27	106N	- TRUE CRATER VOLUME	12270.0	CU-IN	27
107N	- EARTH CRATER VOLUME	12270.0	CU-IN	27	108N	- PAVEMENT CTR VOLUME	.0	CU-IN	27
111N	- FALL-BACK VOLUME	.0	CU-IN	27	225A	- CRATER TYPE (MES)	CAMOUFLFT		27
226A	- DATA SOURCE	AFWLT/7066		99	227A	- EST DATA RELIABILITY	FAIR		99
228A	- TEST SITE	CERF		27					

RECORD NO. 189 TEST SITE C48 TEST NO. C48 CREATION DATE 06.12.75 DATE LAST UPDATED 09.17.75 COMMENTS
 1.5 LB, 30 IN DOB, AM 2 LANDING MAT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	1.50000	LBS	27	2N	EXPLOSIVE DENSITY	.578000E-01	LB/CU-IN	27
5N	DEVICE WEIGHT	1.50000	LBS	27	6N	AVG CASE THICKNESS	.0	IN	27
8N	DEPTH OF BURST	30.0000	IN	27	9N	IMPACT ORLIQUITY	.0	DEGREES	27
12N	IMPACT VELOCITY	.0	FT/SEC	27	13N	TNT EQUIVALENT EXPL.	1.63800	LBS	27
211A	EXPLOSIVE NAME	COMP C4		27	212A	EMPLACEMENT	HAND		27
213A	FJZING	R6PC		27					
22N	SLAB AREA	3456.00	SQ-IN	27	23N	SLAB ASPECT RATIO	.167000		27
31N	REBAR DENSITY	.0	IN/SQ-IN	27	214A	PAVEMENT TYPE	AM-2	MAT	27
215A	REINFORCEMENT	NONE		27	218A	OVERLAYMENT	NONE		27
220A	BASE TYPE	NONE		27					
61N	SUB-THICKNESS	72.0000	IN	27	222A	SUBBASE TYPE	CLAY		27
223A	SUBBASE SOIL CLASS	CL		27					
81N	SOIL THICKNESS	1000.00	IN	27	224A	SOIL CLASSIFICATION	SM		27
104N	TRUE CRATER DEPTH	33.0000	IN	27	105N	TRUE CRATER RADIUS	12.0000	IN	27
106N	TRUE CRATER VOLUME	9158.00	CU-IN	27	107N	EARTH CRATER VOLUME	9158.00	CU-IN	27
226A	DATA SOURCE	AFMLTR7066		99	227A	EST DATA RELIABILITY	FAIR		99
228A	TEST SITE	C48		27					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS

NO. NO. SITE NO. DATE DATE UPDATED

190 2 CERF C49 06.12.75 09.17.75 1.5 LB, 30 IN DDP, AM 2 LANDING MAT

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
*** WEAPON DATA ***									
IN - EXPLOSIVE WEIGHT		1.50000	LBS	27	2N - EXPLOSIVE DENSITY	.578000E-01	LR/CU-IN	27	
5N - DEVICE WEIGHT		1.50000	LBS	27	6N - AVG CASE THICKNESS	.0	IN	27	
8N - DEPTH OF BURST		30.0000	IN	27	9N - IMPACT OBLIQUITY	.0	DEGREES	27	
12N - IMPACT VELOCITY		.0	FT/SEC	27	13N - TNT EQUIVALENT EXPL.	1.63800	LBS	27	
211A - EXPLOSIVE NAME		COMP C 4		27	212A - EMPLACEMENT	HAND		27	
213A - FUZING		B&PC		27					
*** PAVEMENT DATA ***									
22N - SLAB AREA		3456.00	SO-IN	27	23N - SLAB ASPECT RATIO	.167000		27	
31N - RERAR DENSITY		.0	IN/50-IN	27	214A - PAVEMENT TYPE	AM-2 MAT		27	
215A - REINFORCEMENT		NONE		27	218A - OVERLAYMENT	NONE		27	
*** BASE DATA ***									
220A - BASE TYPE		NONE		27					
*** SUBBASE DATA ***									
61N - SUB. THICKNESS		72.0000	IN	27	222A - SUBBASE TYPE	CLAY		27	
223A - SUBBASE SOIL CLASS		CL		27					
*** SOIL DATA ***									
81N - SOIL THICKNESS		1000.00	IN	27	224A - SOIL CLASSIFICATION	SM		27	
*** CRATER DATA ***									
104N - TRUE CRATER DEPTH		41.0000	IN	27	105N - TRUE CRATER RADIUS	13.0000	IN	27	
106N - TRUE CRATER VOLUME		15550.0	CU-IN	27	107N - EARTH CRATER VOLUME	15550.0	CU-IN	27	
*** REPAIR DATA ***									
*** EXTRA INFORMATION ***									
226A - DATA SOURCE		AFHLTR7066		99	227A - EST DATA RELIABILITY	FAIR		99	
228A - TEST SITE		CERF		27					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. AC. SITE NO. DATE UPDATED

 191 0 EGLIN E3 06.12.75 06.12.75 AN-M65A 1000 LB. BOMB, STATIC. 1963

KEY	TYPE - NAME	VALUE	UNITS	RFF	KEY	TYPE - NAME	VALUE	UNITS	RFF
1N	- EXPLOSIVE WEIGHT	572.000	LBS	28	5N	- DEVICE WEIGHT	1000.00	LBS	28
8N	- DEPTH OF BURST	102.000	IN	28	9N	- IMPACT ORLIGNITY	50.0000	DEGREES	28
12N	- IMPACT VELOCITY	.0	FT/SEC	28	211A	- EXPLOSIVE NAME	TRITONAL		28
212A	- EMPLOYMENT	HAND		28					
21N	- PAVEMENT THICKNESS	5.00000	IN	28	214A	- PAVEMENT TYPE	ACC		28
218A	- OVERLAYMENT	NONE		28					
220A	- BASE TYPE	NONE		28	222A	- SUBBASE TYPE	SAND		28
61N	- SUR. THICKNESS	1000.00	IN	28					
223A	- SUBBASE SOIL CLASS	SPSM		28					
101N	- APPARENT CTR DEPTH	144.000	IN	28	102N	- APPARENT CTR RADIUS	252.000	IN	28
104N	- TRUE CRATER DEPTH	162.000	IN	28					
120N	- PAV REPAIR AREA (P)	554200.	SQ-IN	28					
226A	- DATA SOURCE	APGCTR6340		99	227A	- EST DATA RELIABILITY	POOR		99
228A	- TEST SITE	EGLIN		28					

RECORD REV. TEST TEST CREATION DATE LAST COMMENTS
 NO. NO. SITE NO. DATE DATE UPDATED

 192 0 EGLIN E4 06.12.75 06.12.75 AN-M65A 1000 LR. BOMB. STATIC. 1963

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
IN	EXPLOSIVE WEIGHT	572.000	LBS	28	5N	DEVICE WEIGHT	1000.00	LBS	28
8N	DEPTH OF BURST	102.000	IN	28	9N	IMPACT ORLTIQUITY	50.0000	DEGREES	28
12N	IMPACT VELOCITY	.0	FT/SEC	28	211A	EXPLOSIVE NAME	TRITONAL		28
212A	EMPLACEMENT	HAND		28					
21N	PAVEMENT THICKNESS	5.00000	IN	28	214A	PAVEMENT TYPE	ACC		28
218A	OVERLAYMENT	NONE		28					
220A	BASE TYPE	NONE		28					
61N	SUB. THICKNESS	1000.00	IN	28	222A	SUBBASE TYPE	SAND		28
223A	SUBBASE SOIL CLASS	SPSM		28					
101N	APPARENT CTR DEPTH	125.000	IN	28	102N	APPARENT CTR RADIUS	234.000	IN	28
104N	TRUE CRATER DEPTH	186.000	IN	28					
120N	PAV REPAIR AREA (P)	515300.	50-IN	28					
226A	DATA SOURCE	APGCTR6340		99	227A	EST DATA RELIABILITY	POOR		99
228A	TEST SITE	EGLIN		28					

RECORD REV. TEST TEST CREATION DATE LAST TEST NO. SITE NO. DATE UPDATED COMMENTS

 193 0 EGLIN F5 06.17.75 06.12.75 AN-M65A 1000 LB. BOMR, STATIC, 1963

KEY	TYPE - NAME	VALUE	UNITS	REF	KEY	TYPE - NAME	VALUE	UNITS	REF
	IN - EXPLOSIVE WEIGHT	572.000	LBS	28	5N	DEVICE WEIGHT	1000.00	LBS	28
	8N - DEPTH OF BURST	1.02.000	IN	28	9N	IMPACT OBLIQUITY	50.0000	DEGREES	28
	12N - IMPACT VELOCITY	.0	FT/SEC	28	211A	EXPLOSIVE NAME	TRITONAL		28
	212A - EMPLACEMENT	HAND		28					
	21N - PAVEMENT THICKNESS	5.00000	IN	28	214A	PAVEMENT TYPE	ACC		28
	218A - OVERLAYMENT	NONE		28					
	270A - BASE TYPE	NONE		28					
	61N - SUB. THICKNESS	1000.00	IN	28	222A	SUBBASE TYPE	SAND		28
	223A - SUBBASE SOIL CLASS	SPSM		28					
	101N - APPARENT CTR DEPTH	132.000	IN	28	102N	APPARENT CTR RADIUS	222.000	IN	28
	104N - TRUE CRATER DEPTH	174.000	IN	28					
	120N - PAV REPAIR AREA (P)	523000.	SQ-IN	28					
	226A - DATA SOURCE	APGCTR5340		99	227A	EST DATA RELIABILITY	POOR		99
	228A - TEST SITE	EGLIN		28					

APPENDIX B
UNREDUCED PLOTS

Appendix B contains plots of unreduced data from the computerized file which is listed in Appendix A. These plots show relationships of depths of burst, weapon weight, subbase type and pavement thickness to the various damage parameters of interest to BDR planners. These plots represent the basic data used to generate the damage prediction nomographs presented in Volume I of this report.

EXPEDIENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

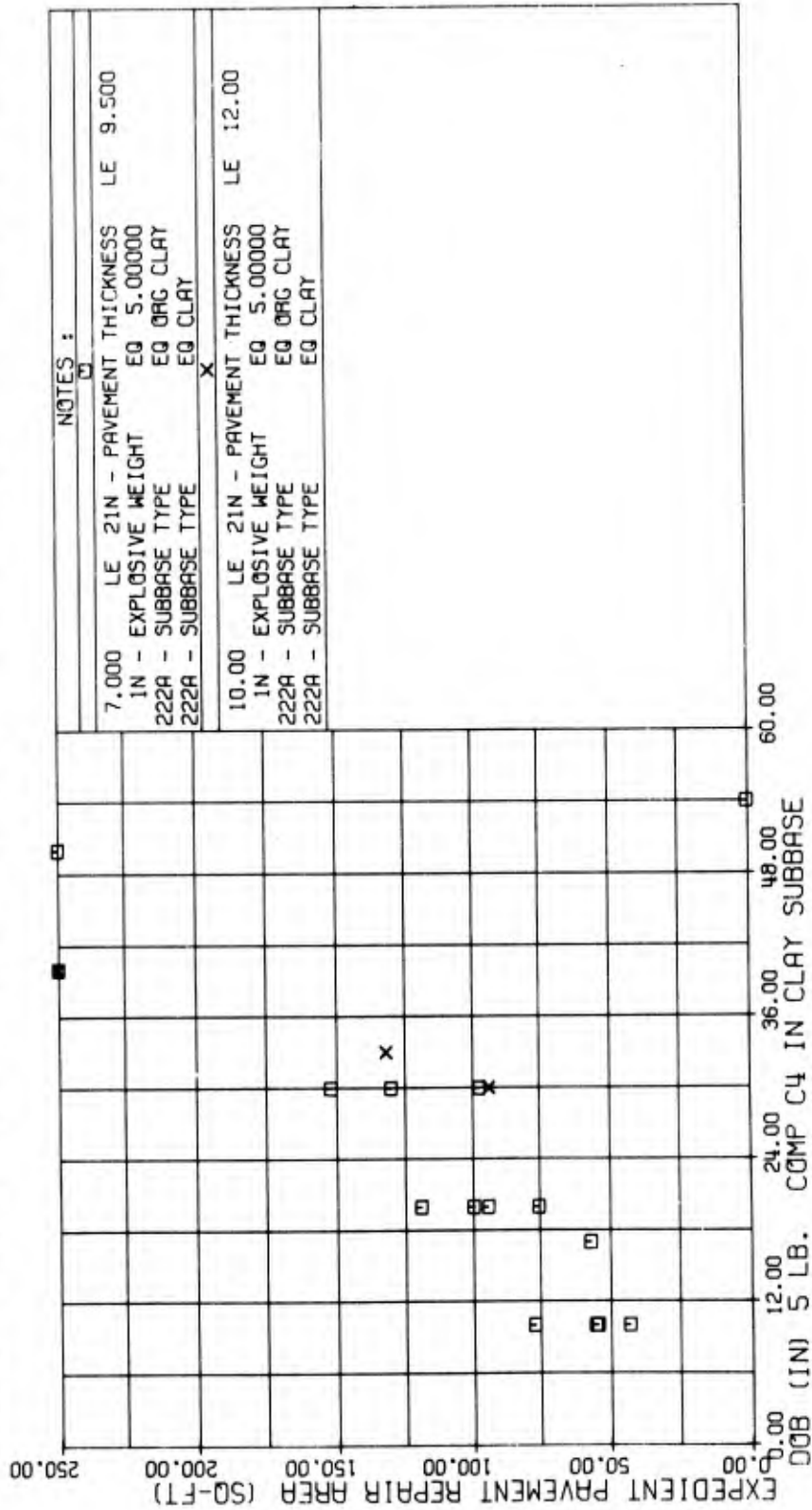
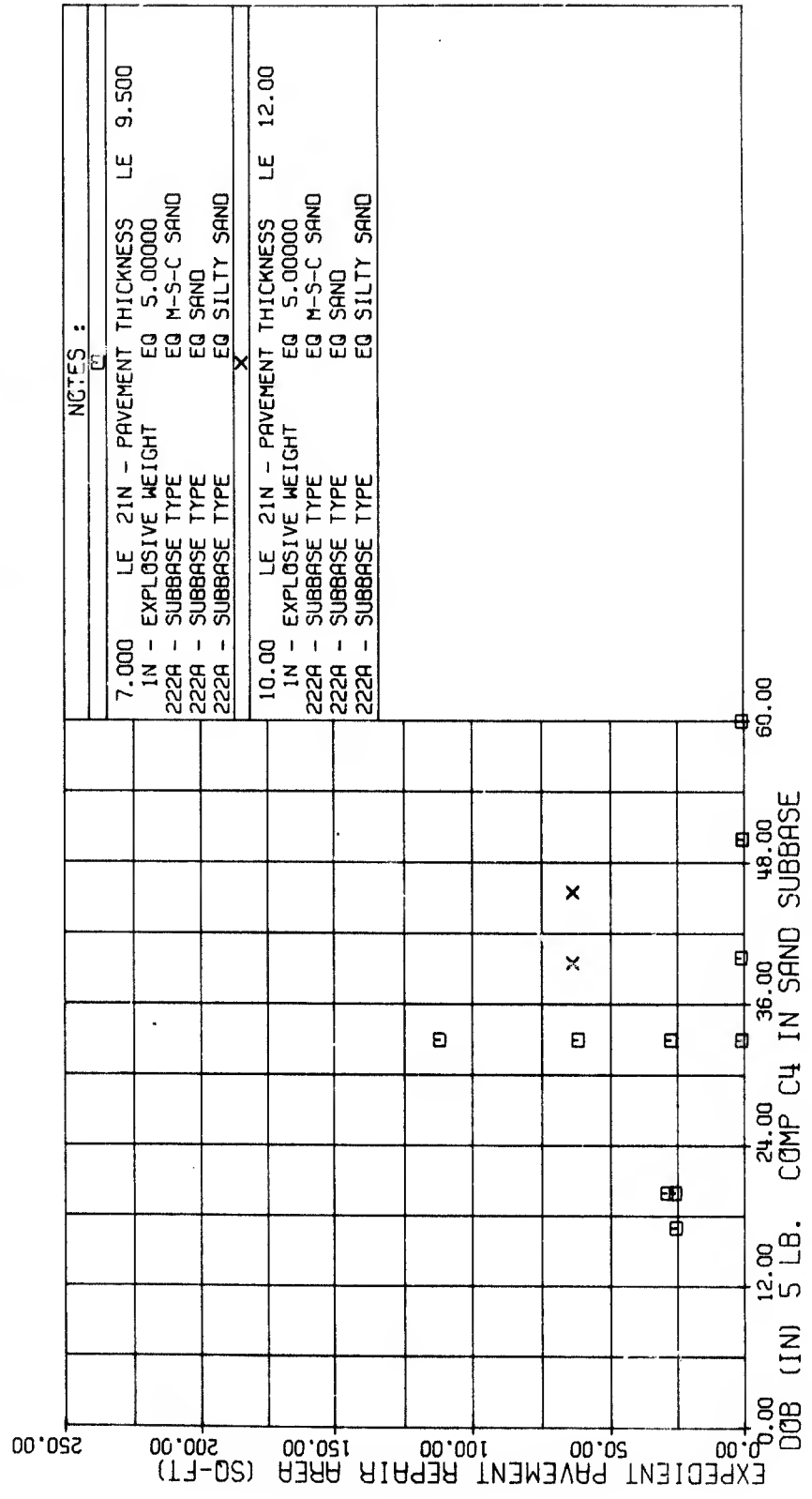


Figure B1. Expedient Pavement Repair Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

EXPEDIENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N - EXPLOSIVE WEIGHT	EQ 5.00000	
222A - SUBBASE TYPE	EQ M-S-C SAND	
222A - SUBBASE TYPE	EQ SAND	
222A - SUBBASE TYPE	EQ SILTY SAND	
	X	
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N - EXPLOSIVE WEIGHT	EQ 5.00000	
222A - SUBBASE TYPE	EQ M-S-C SAND	
222A - SUBBASE TYPE	EQ SAND	
222A - SUBBASE TYPE	EQ SILTY SAND	

Figure B2. Expedient Pavement Repair Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

EXPEDIT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

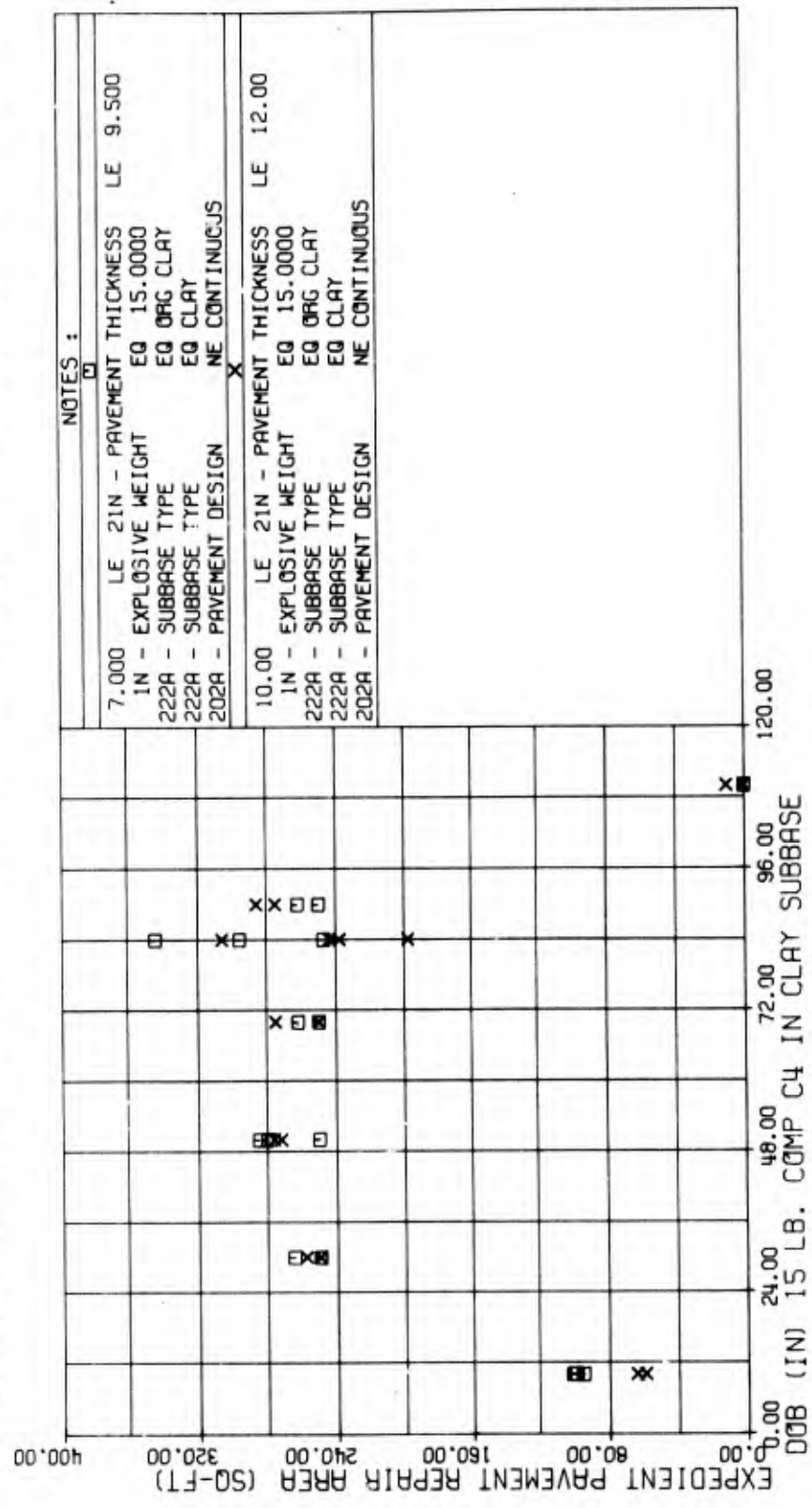


Figure B3. Expedient Pavement Repair Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

EXPEDIENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

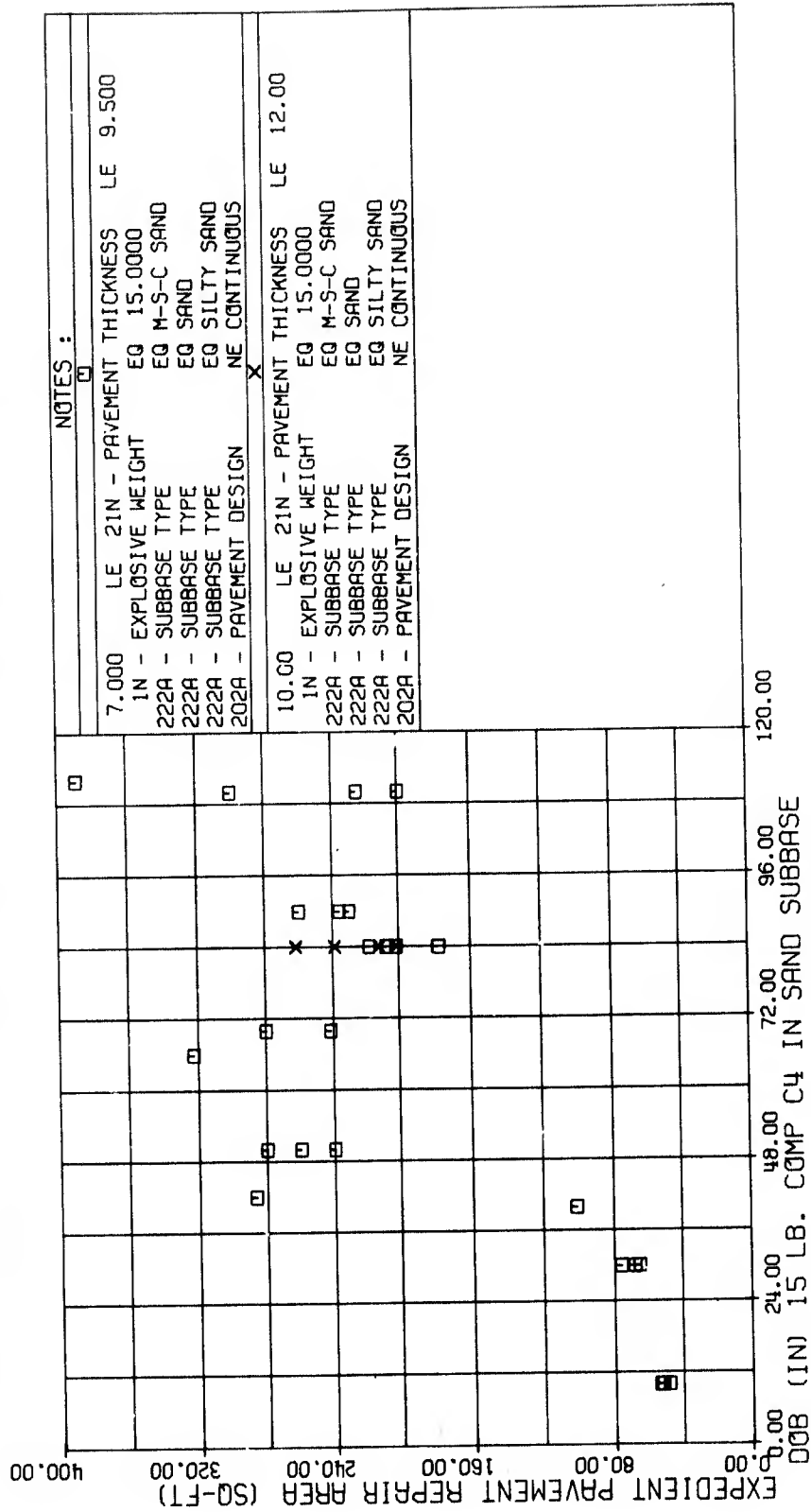


Figure B4. Expedient Pavement Repair Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

EXPEDIENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

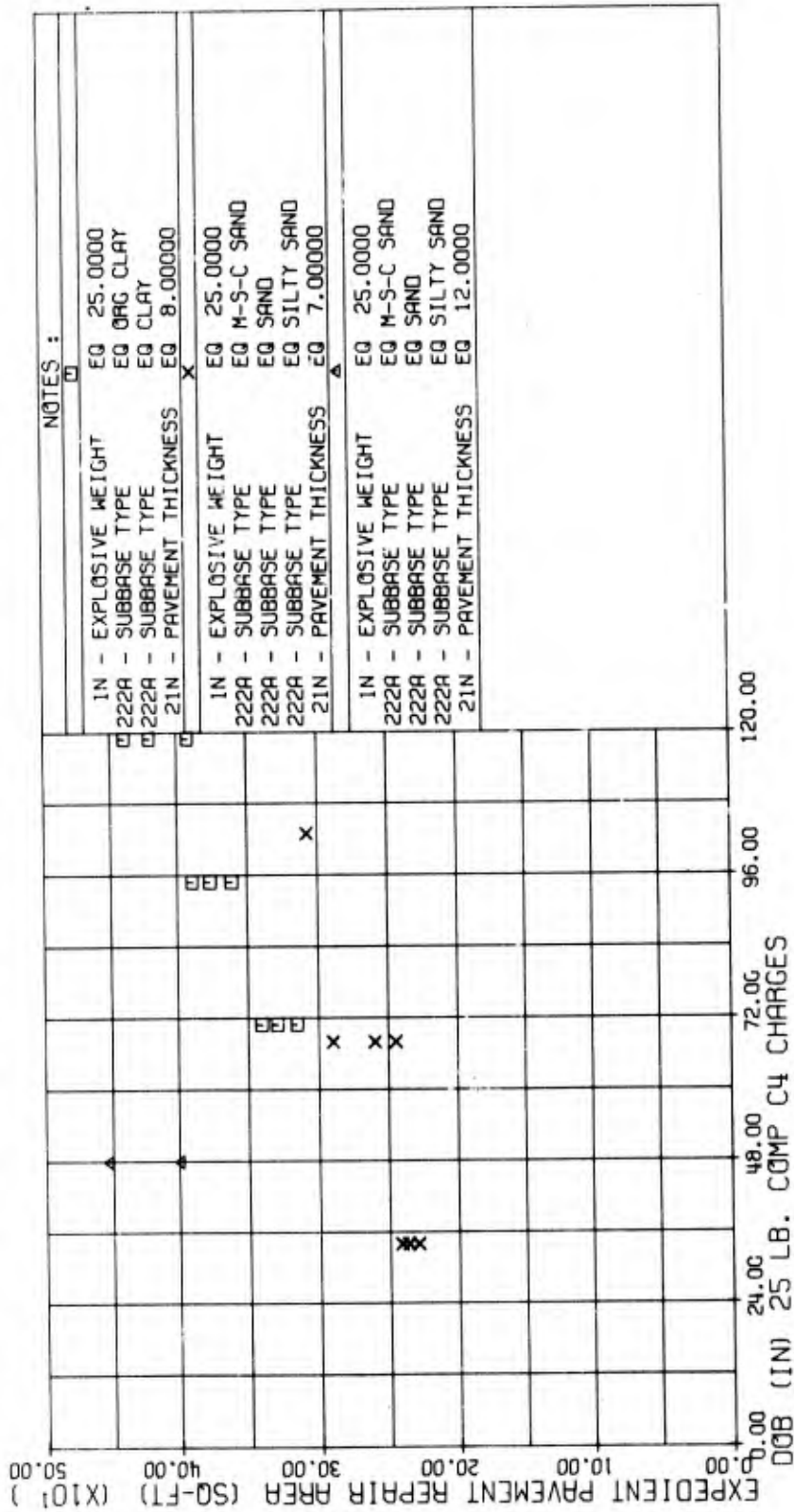


Figure B5. Expedient Pavement Repair Area Versus Depth of Burst for 25 Pound Comp. C4 Charges

EXPEDIENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (FT) MK81, MK82, M117 & AN-M65A BOMB

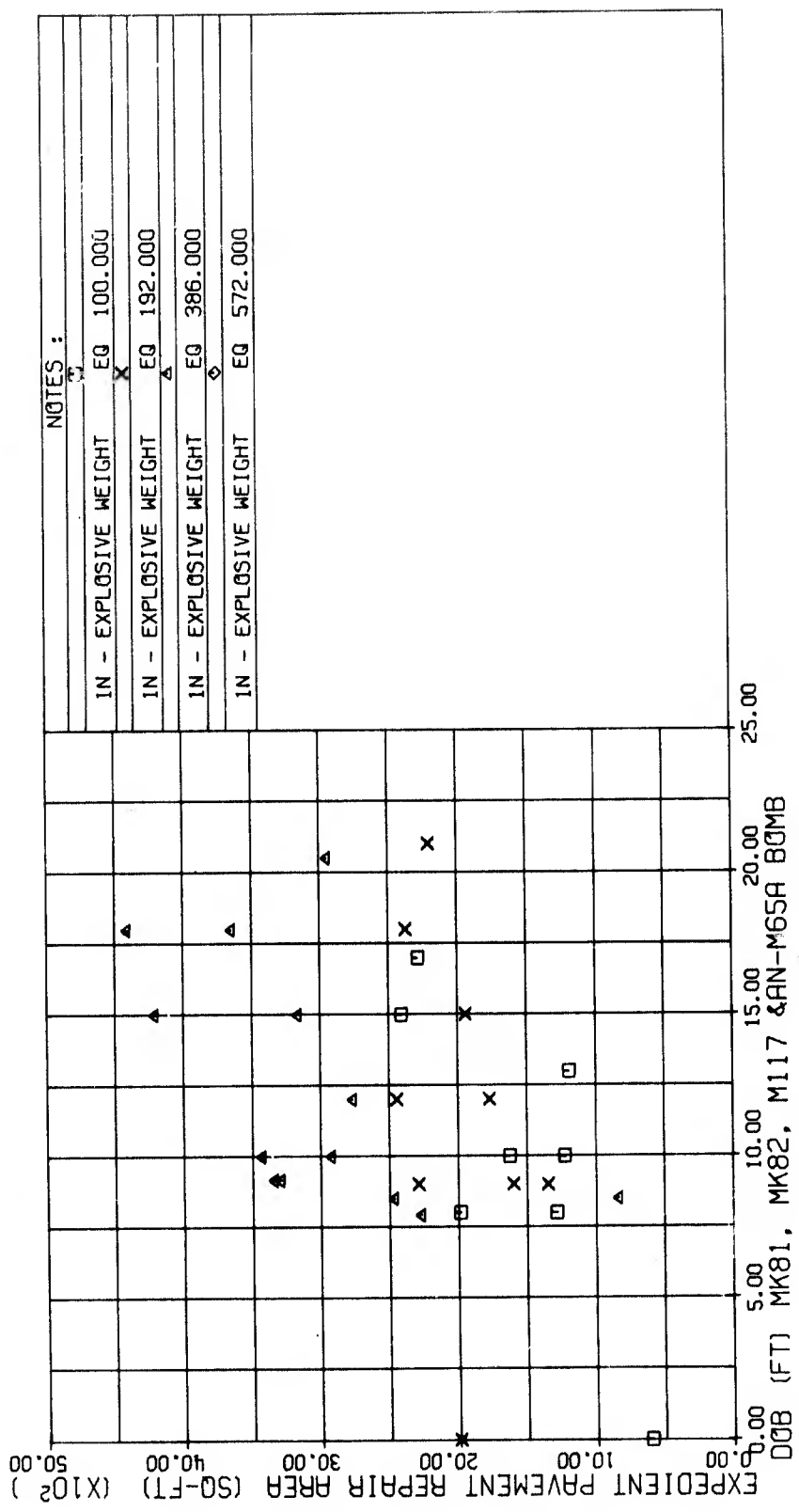


Figure B6. Expedient Pavement Repair Area Versus Depth of Burst for MK 81, MK 82, M 117, and AN-M65A Bombs

SEMIPERMANENT PAV'T REPAIR AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

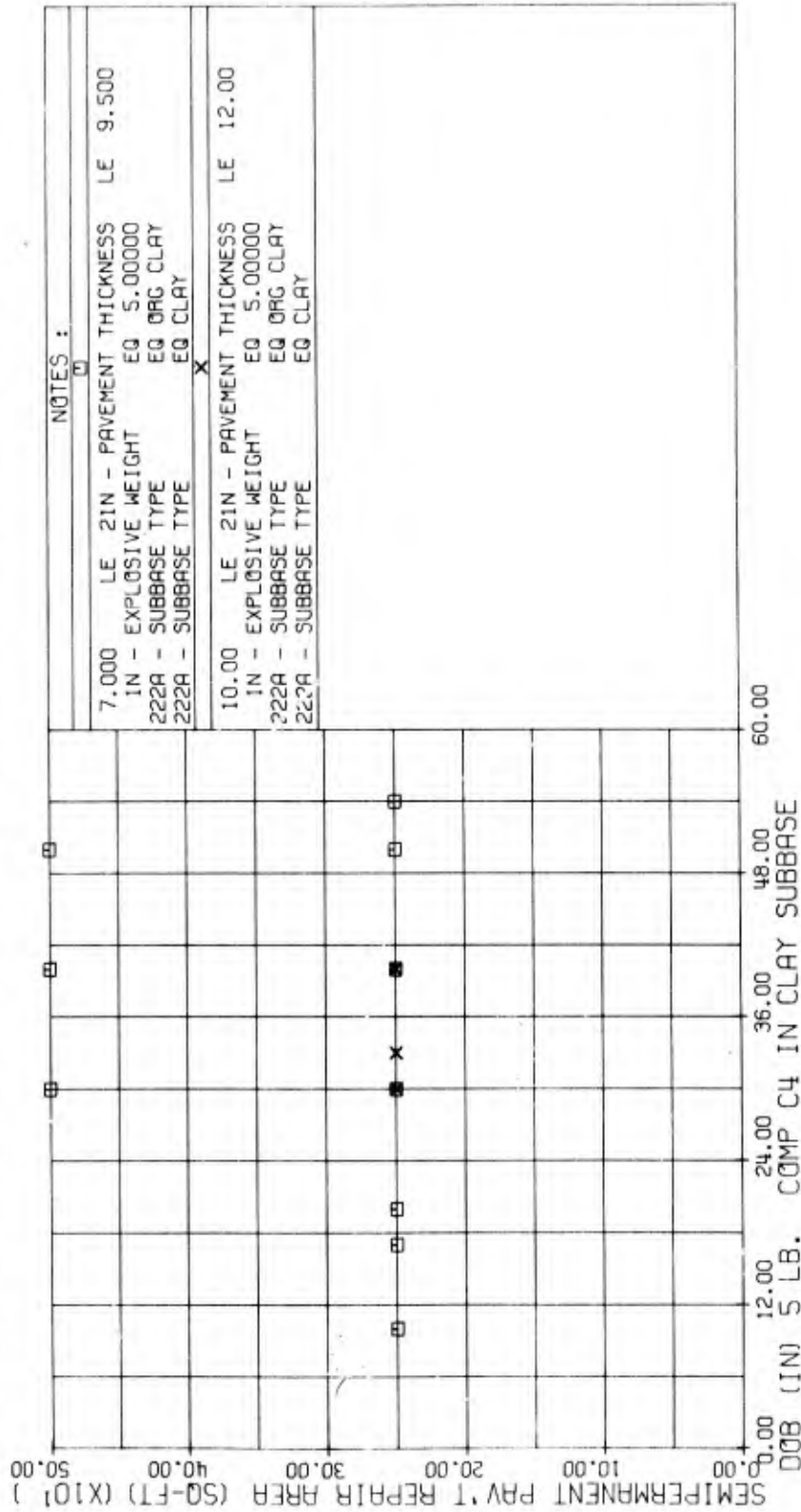
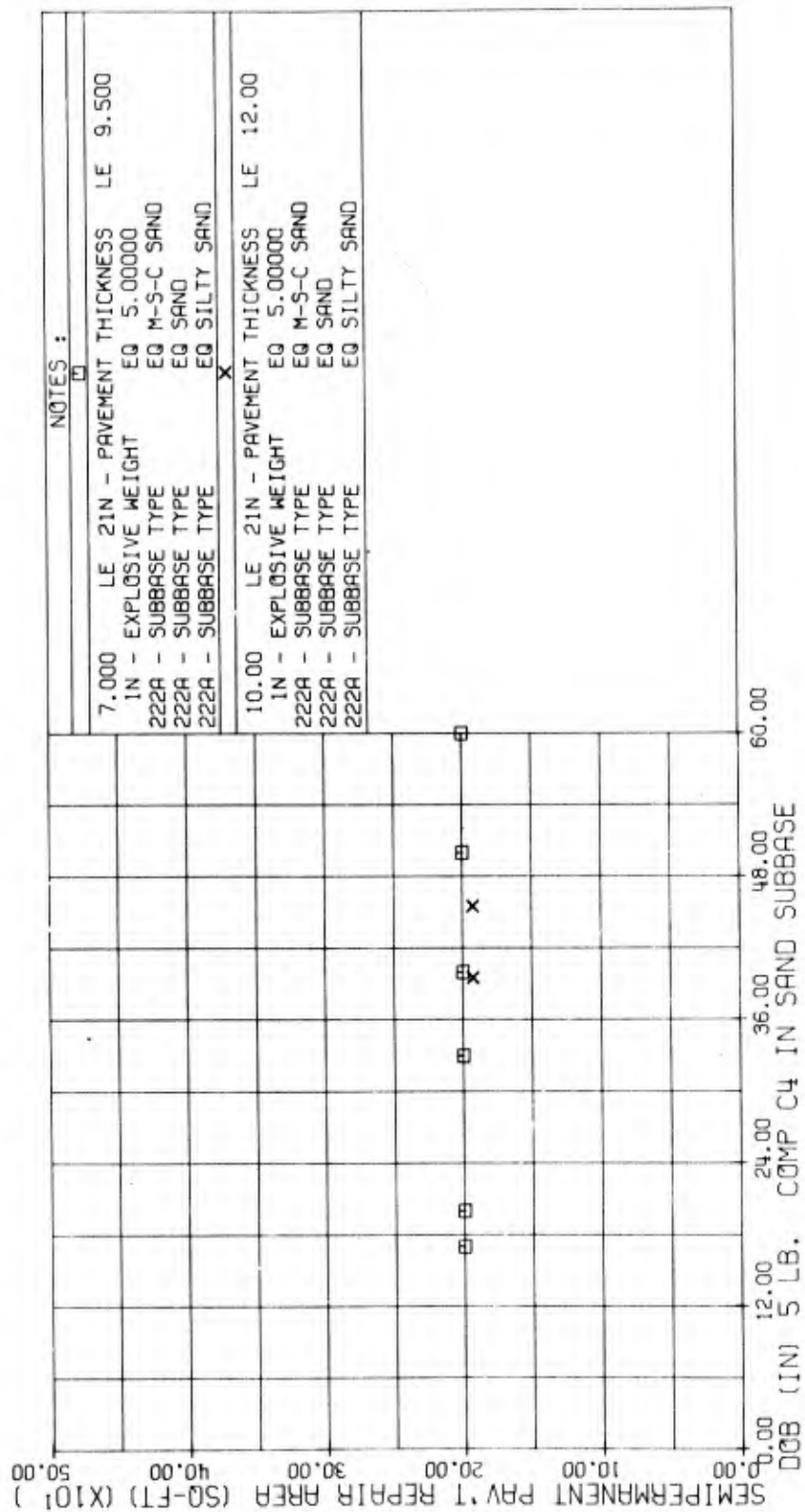


Figure B7. Semipermanent Pavement Repair Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERMANENT PAV'T REPAIR AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
IN - EXPLOSIVE WEIGHT	EQ 5.00000	
222A - SUBBASE TYPE	EQ M-S-C SAND	
222A - SUBBASE TYPE	EQ SAND	
222A - SUBBASE TYPE	EQ SILTY SAND	
	X	
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
IN - EXPLOSIVE WEIGHT	EQ 5.00000	
222A - SUBBASE TYPE	EQ M-S-C SAND	
222A - SUBBASE TYPE	EQ SAND	
222A - SUBBASE TYPE	EQ SILTY SAND	

Figure B8. Semipermanent Pavement Repair Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERMANENT PAV'T REPAIR AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

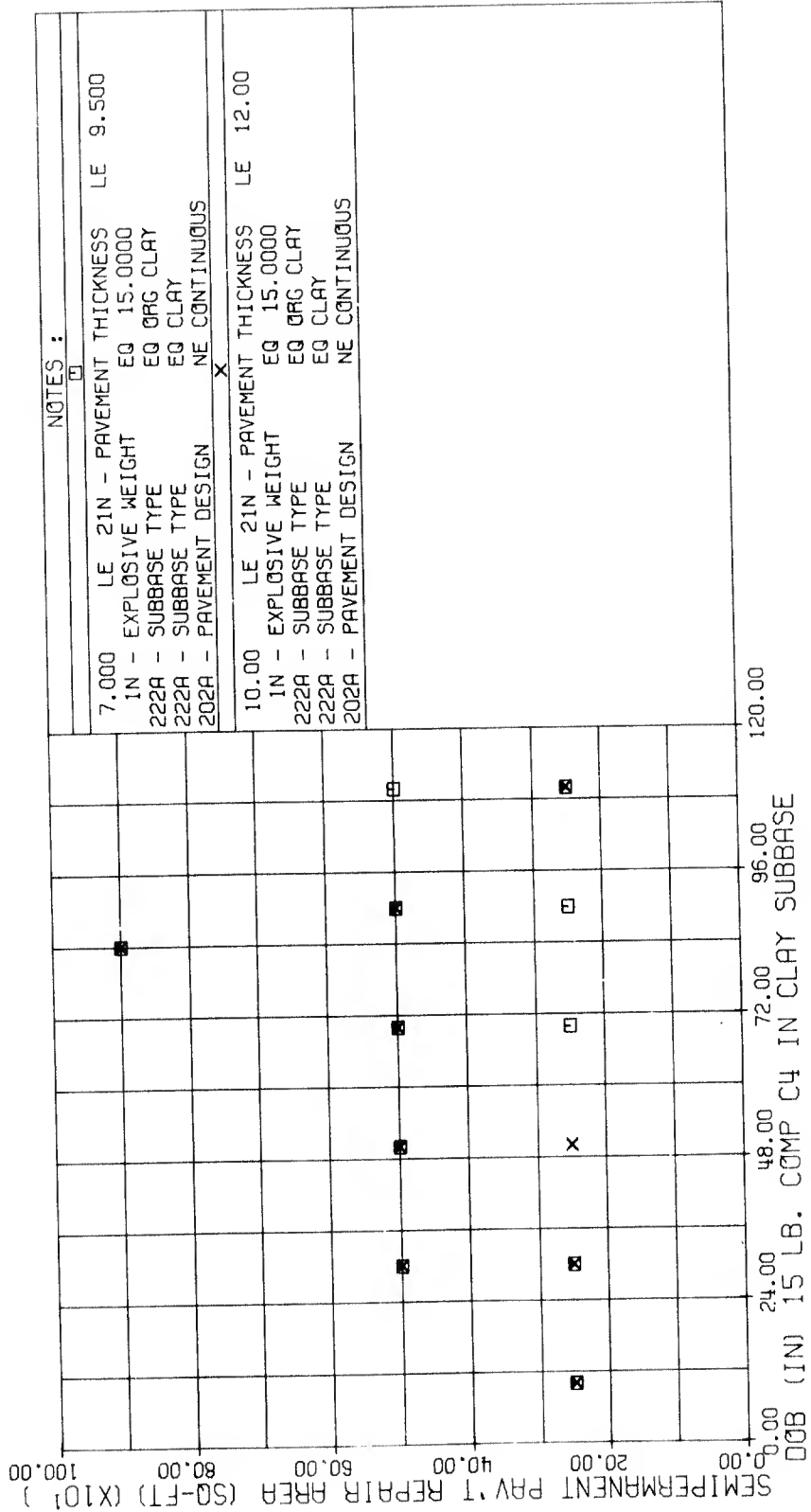
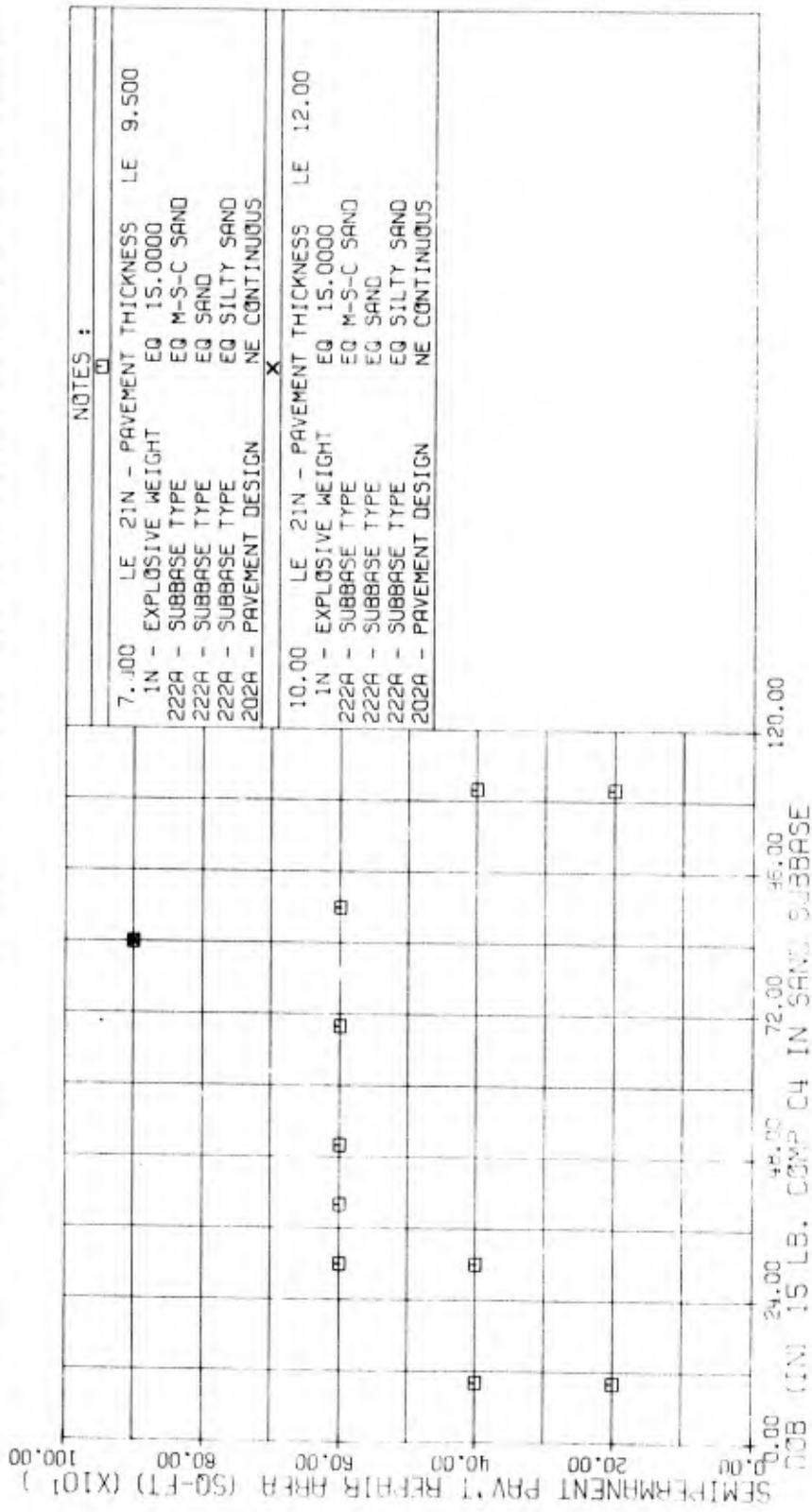


Figure B9. Semipermanent Pavement Repair Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERMANENT PAV'T REPAIR AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.00	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N	EXPLOSIVE WEIGHT	EQ 15.0000
222A	SUBBASE TYPE	EQ M-S-C SAND
222A	SUBBASE TYPE	EQ SAND
222A	SUBBASE TYPE	EQ SILTY SAND
202A	PAVEMENT DESIGN	NE CONTINUOUS
		X
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N	EXPLOSIVE WEIGHT	EQ 15.0000
222A	SUBBASE TYPE	EQ M-S-C SAND
222A	SUBBASE TYPE	EQ SAND
222A	SUBBASE TYPE	EQ SILTY SAND
202A	PAVEMENT DESIGN	NE CONTINUOUS

Figure B10. Semipermanent Pavement Repair Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERMANENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

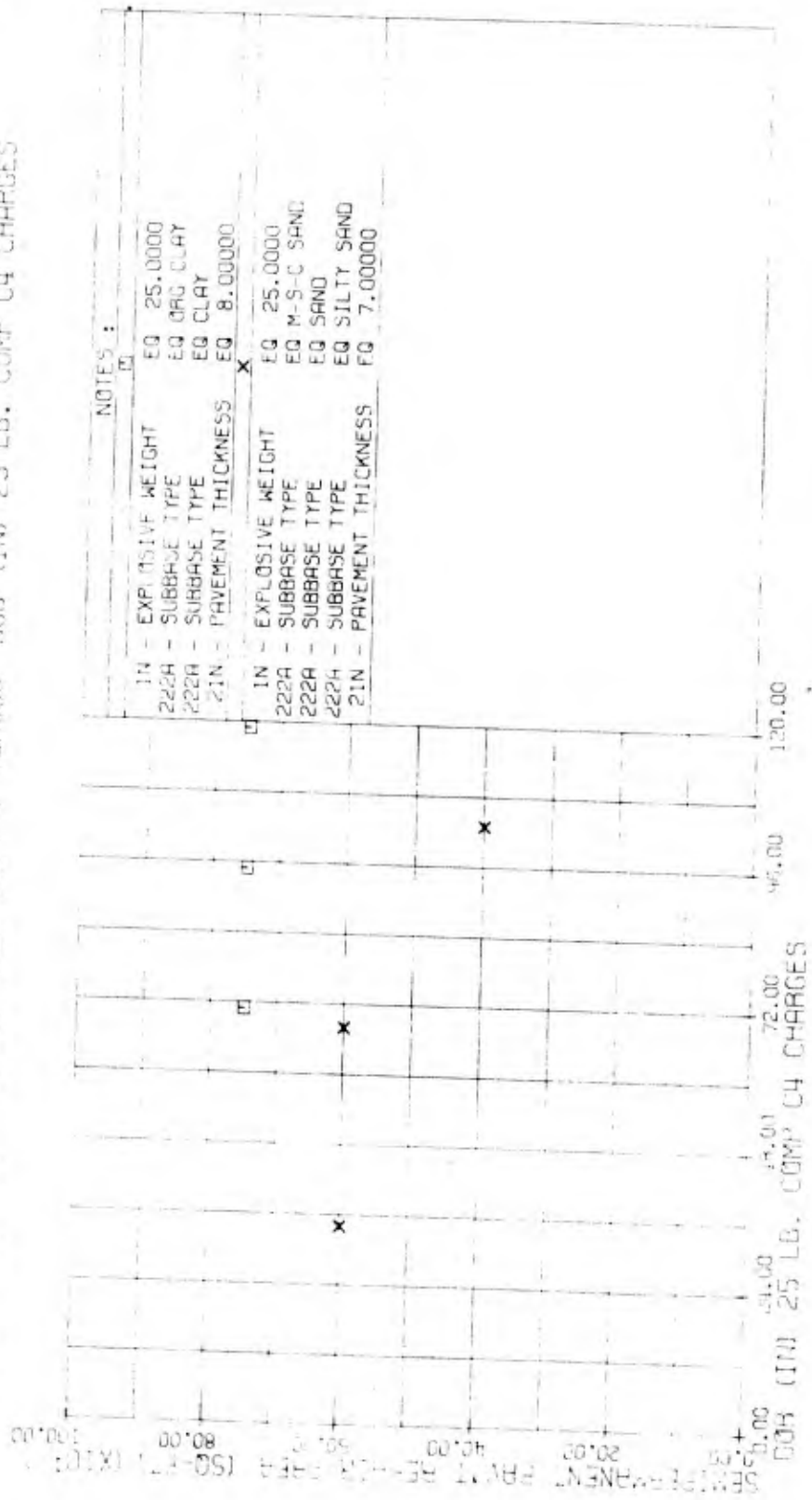


Figure B11. Semipermanent Pavement Repair Area Versus Depth of Burst for 25 Pound Comp. C4 Charges

PERMANENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

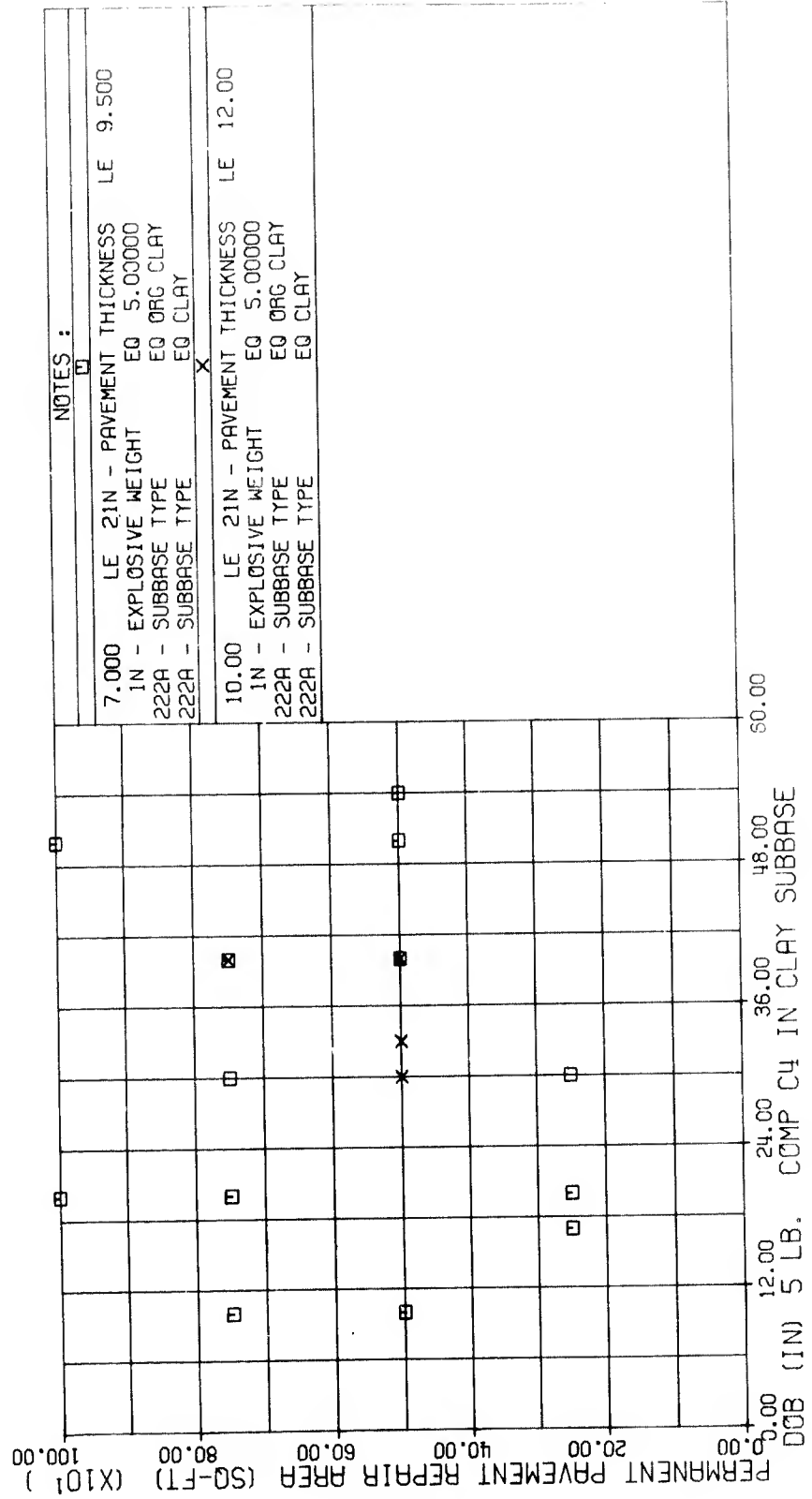


Figure B12. Permanent Pavement Repair Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

PERMANENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

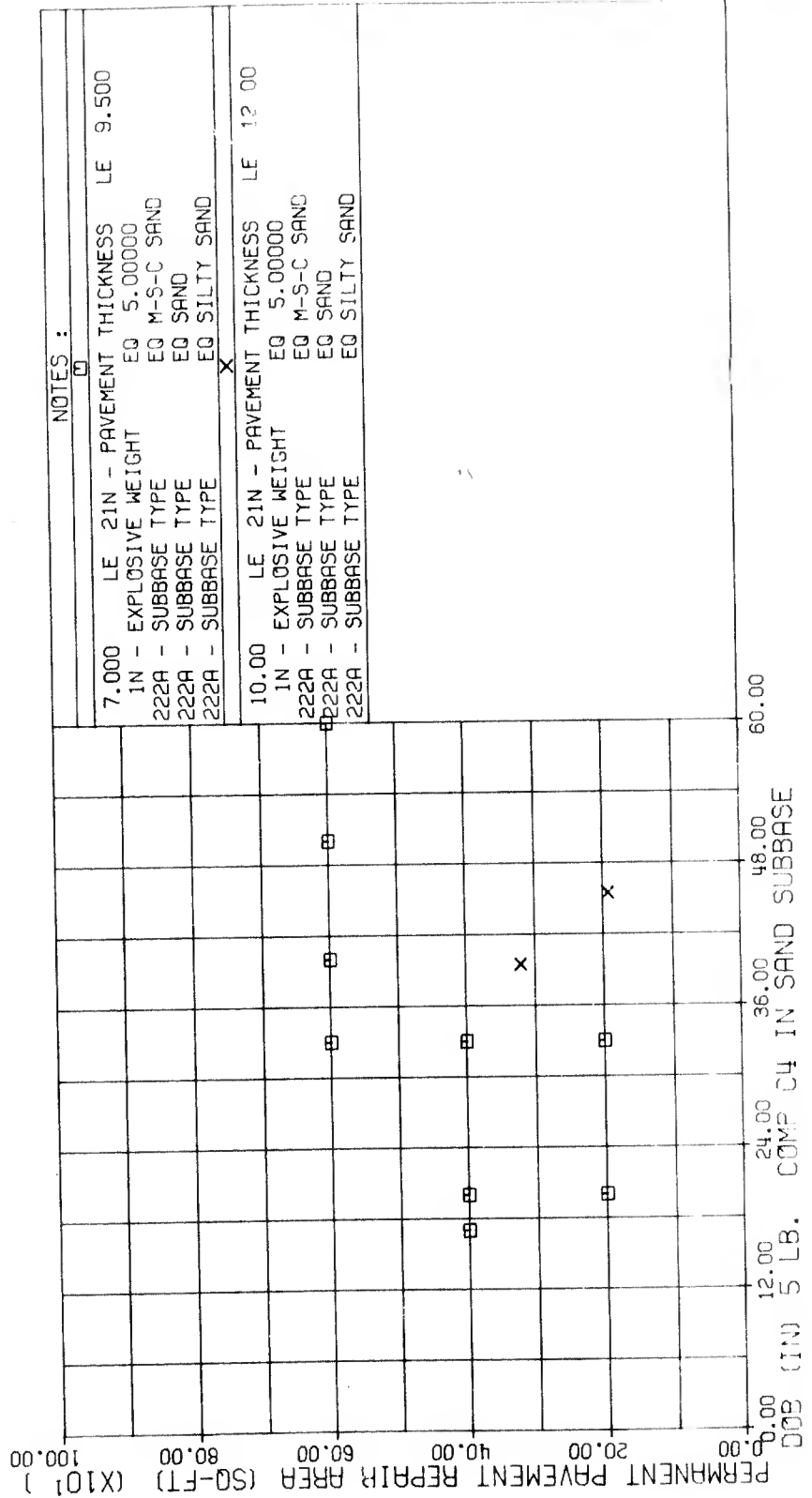
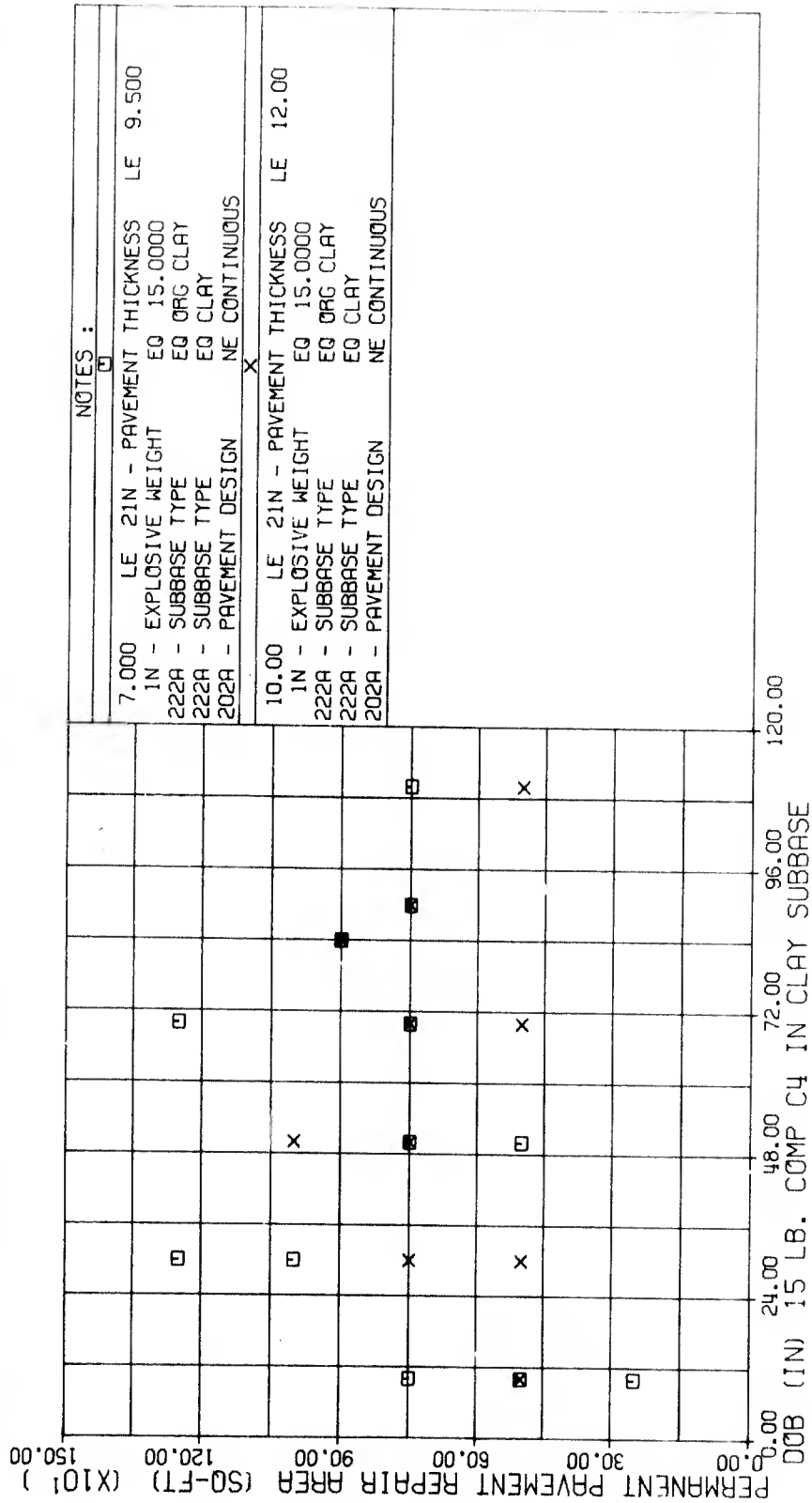


Figure B13. Permanent Pavement Repair Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

PERMANENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N	- EXPLOSIVE WEIGHT	EQ 15.0000
222A	- SUBBASE TYPE	EQ ORG CLAY
222A	- SUBBASE TYPE	EQ CLAY
202A	- PAVEMENT DESIGN	NE CONTINUOUS
		X
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N	- EXPLOSIVE WEIGHT	EQ 15.0000
222A	- SUBBASE TYPE	EQ ORG CLAY
222A	- SUBBASE TYPE	EQ CLAY
202A	- PAVEMENT DESIGN	NE CONTINUOUS

Figure B14. Permanent Pavement Repair Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

PERMANENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

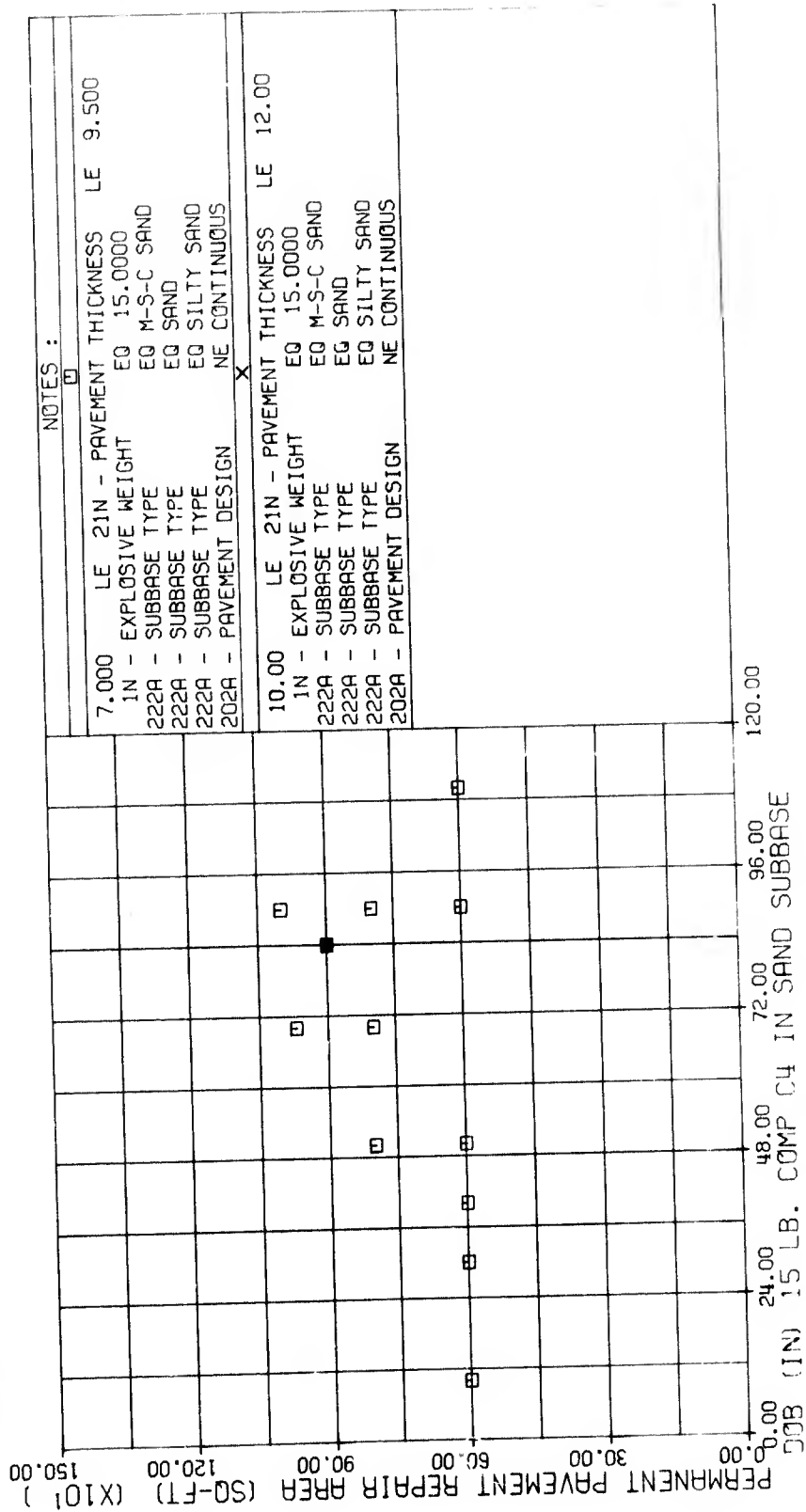


Figure B15. Permanent Pavement Repair Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

PERMANENT PAVEMENT REPAIR AREA (SQ-FT) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

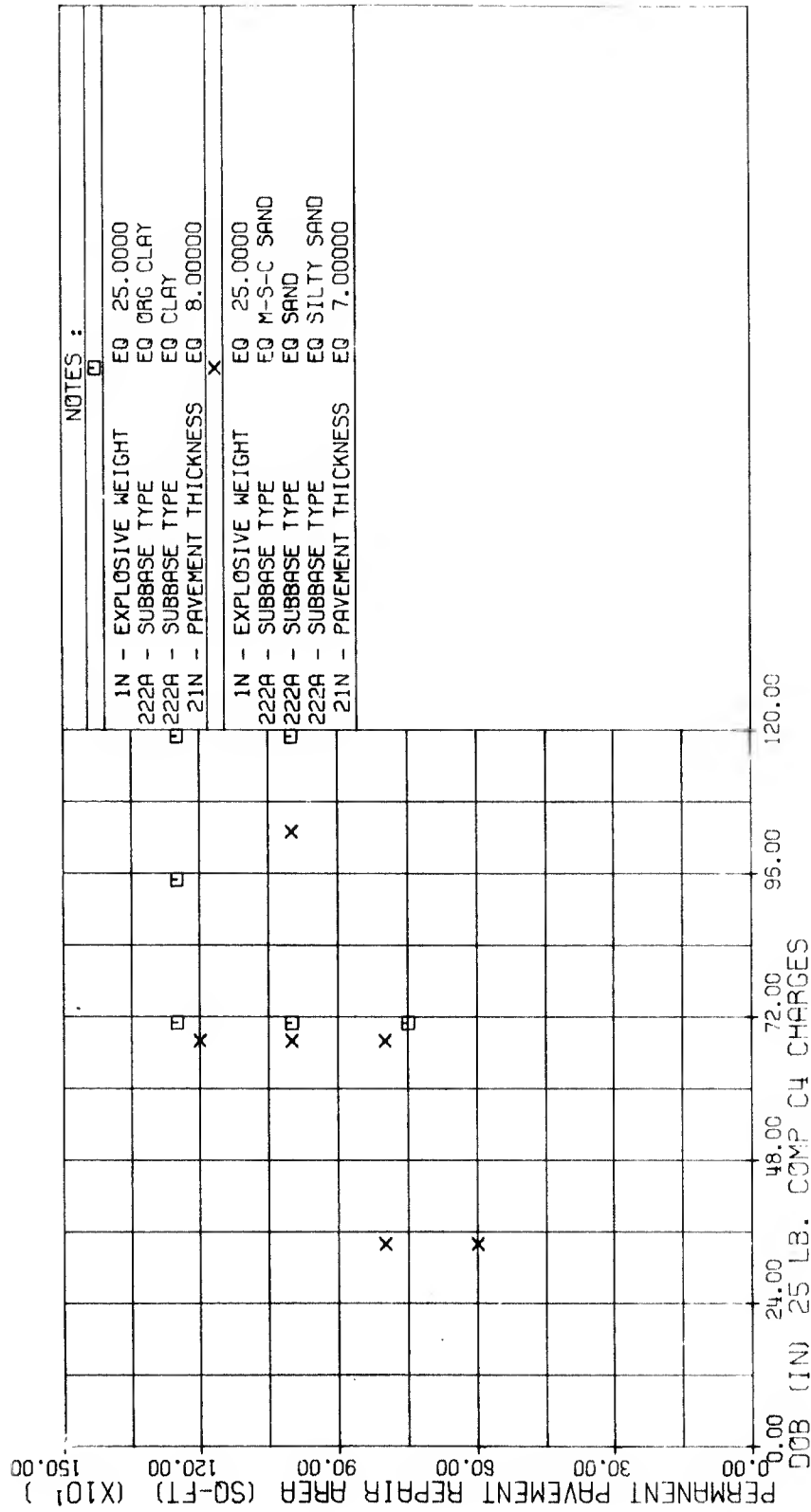
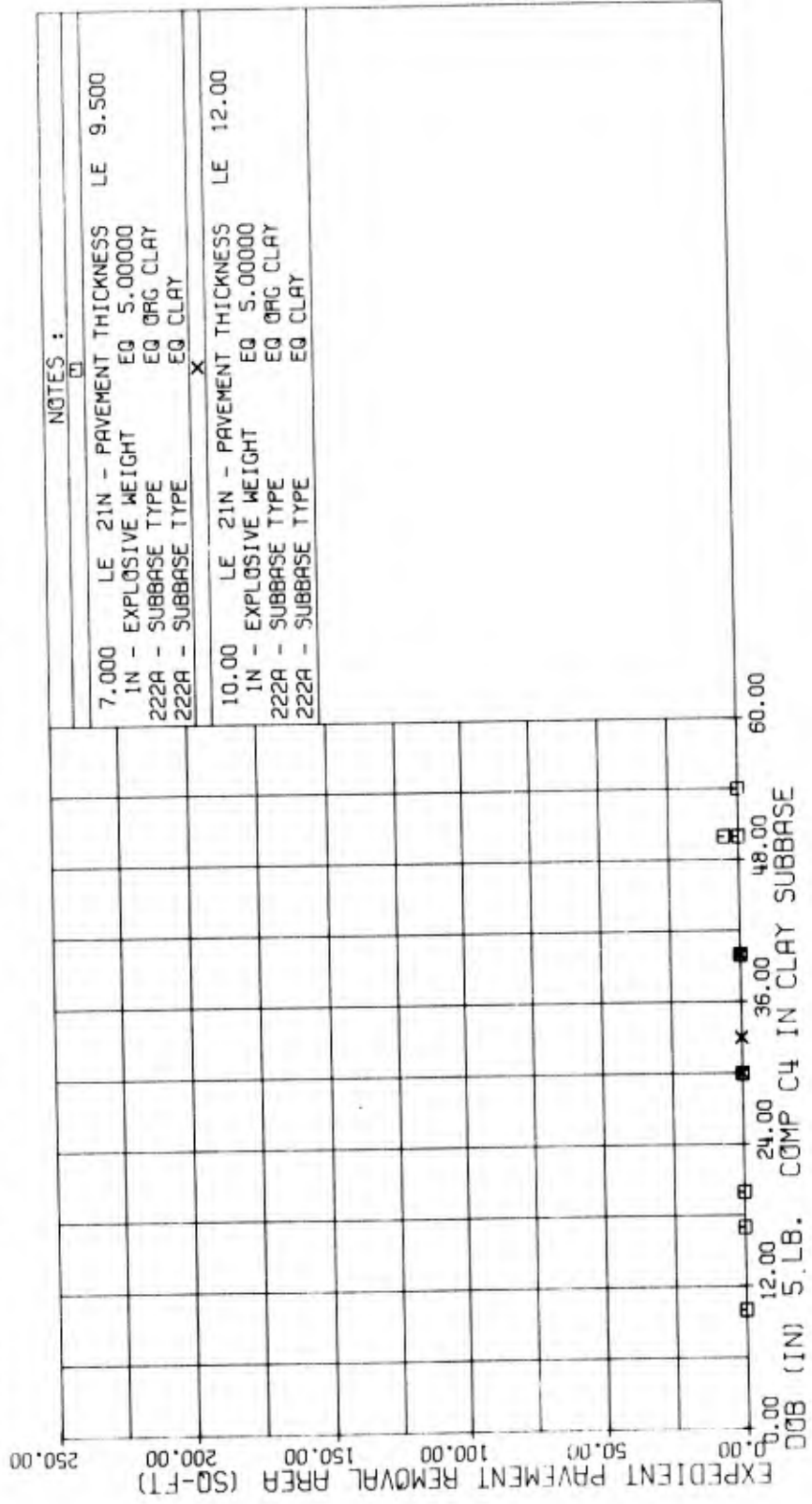


Figure B16. Permanent Pavement Repair Area Versus Depth of Burst for 25 Pound Comp. C4 Charges

EXPEDIENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

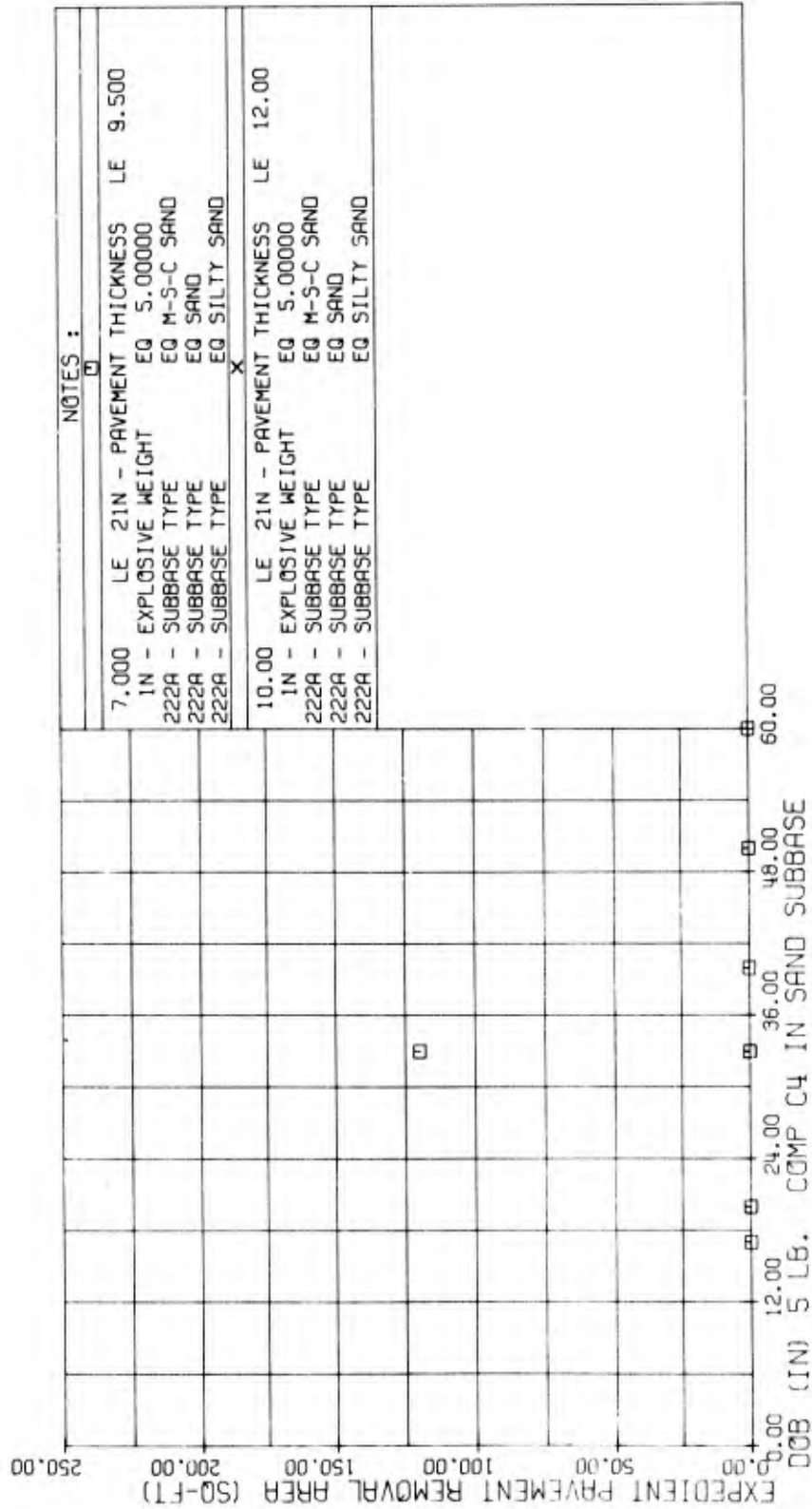


NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N	- EXPLOSIVE WEIGHT	EQ 5.00000
222A	- SUBBASE TYPE	EQ 0RG CLAY
222A	- SUBBASE TYPE	EQ CLAY
		X
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N	- EXPLOSIVE WEIGHT	EQ 5.00000
222A	- SUBBASE TYPE	EQ 0RG CLAY
222A	- SUBBASE TYPE	EQ CLAY

Figure B17. Expedient Pavement Removal Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

EXPEDIENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N	- EXPLOSIVE WEIGHT	EQ 5.00000
222A	- SUBBASE TYPE	EQ M-S-C SAND
222A	- SUBBASE TYPE	EQ SAND
222A	- SUBBASE TYPE	EQ SILTY SAND
		X
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N	- EXPLOSIVE WEIGHT	EQ 5.00000
222A	- SUBBASE TYPE	EQ M-S-C SAND
222A	- SUBBASE TYPE	EQ SAND
222A	- SUBBASE TYPE	EQ SILTY SAND

Figure B18. Expedient Pavement Removal Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

EXPEDIENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

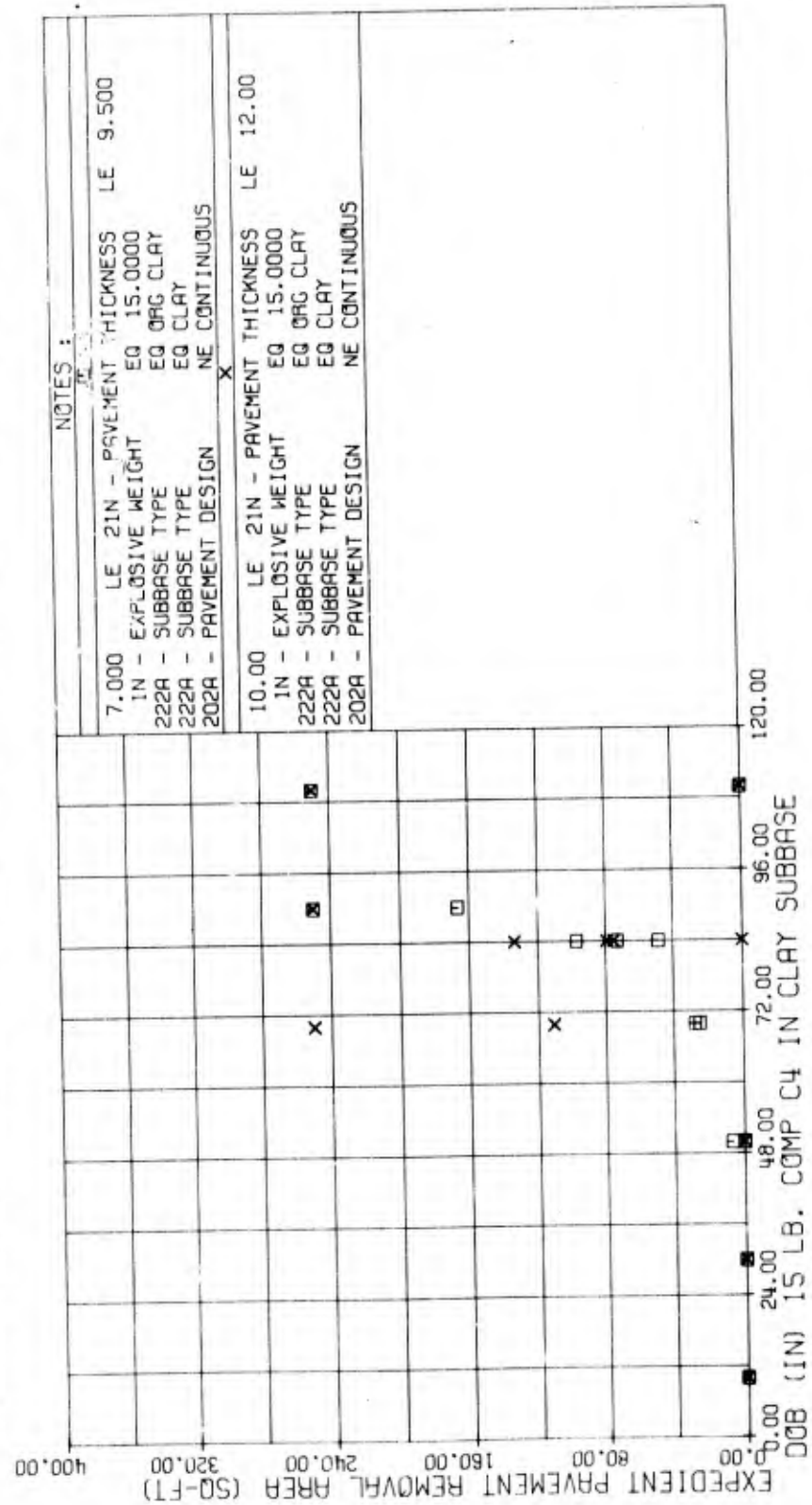
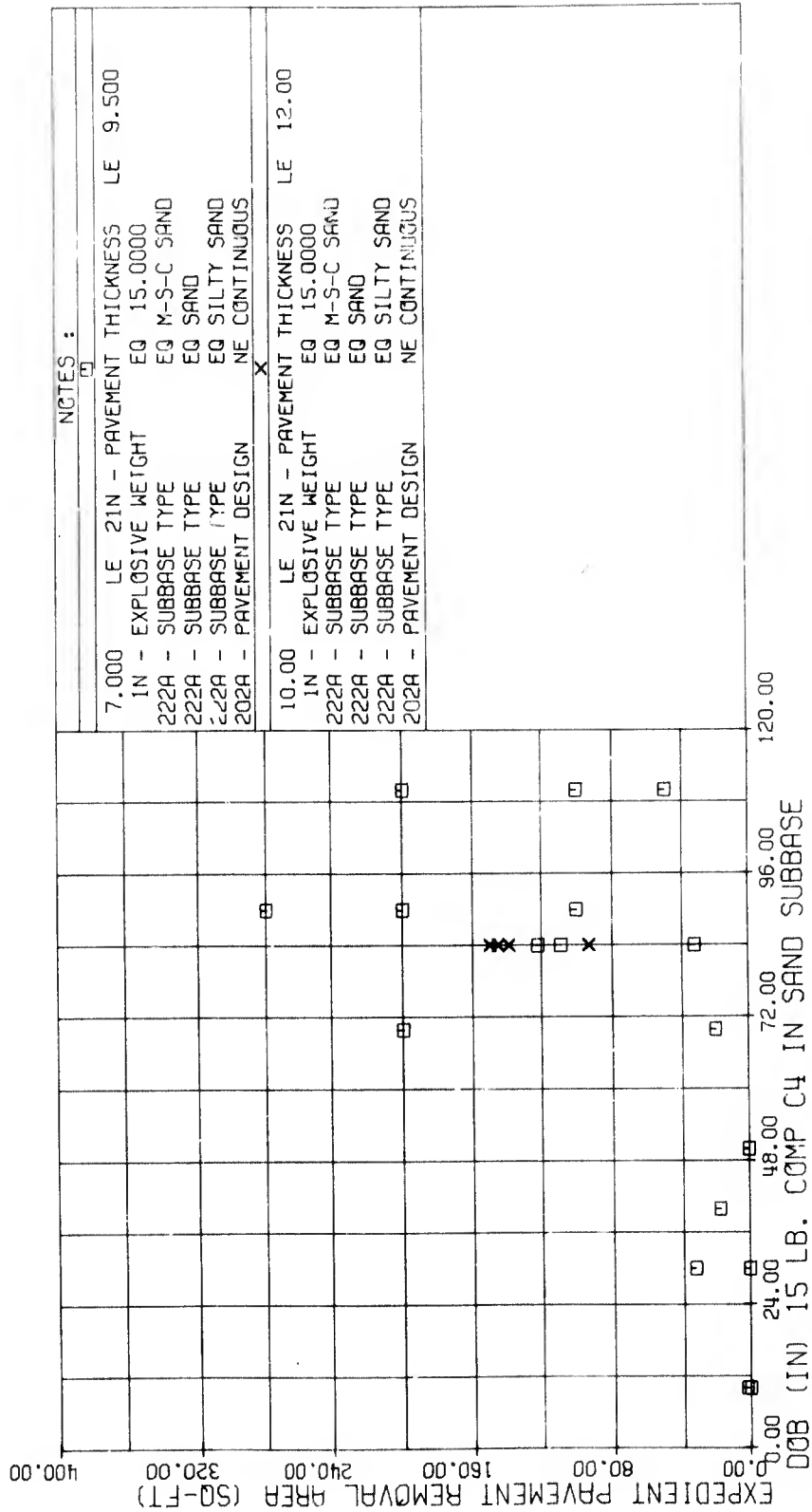


Figure B19. Expedient Pavement Removal Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

EXPEDIENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE	21N - PAVEMENT THICKNESS	LE	9.500
1N -	EXPLOSIVE WEIGHT	EQ	15.0000	
222A -	SUBBASE TYPE	EQ	M-S-C SAND	
222A -	SUBBASE TYPE	EQ	SAND	
222A -	SUBBASE TYPE	EQ	SILTY SAND	
202A -	PAVEMENT DESIGN	NE	CONTINUOUS	
				X
10.000	LE	21N - PAVEMENT THICKNESS	LE	12.000
1N -	EXPLOSIVE WEIGHT	EQ	15.0000	
222A -	SUBBASE TYPE	EQ	M-S-C SAND	
222A -	SUBBASE TYPE	EQ	SAND	
222A -	SUBBASE TYPE	EQ	SILTY SAND	
202A -	PAVEMENT DESIGN	NE	CONTINUOUS	

Figure B20. Expedient Pavement Removal Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

EXPEDIENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

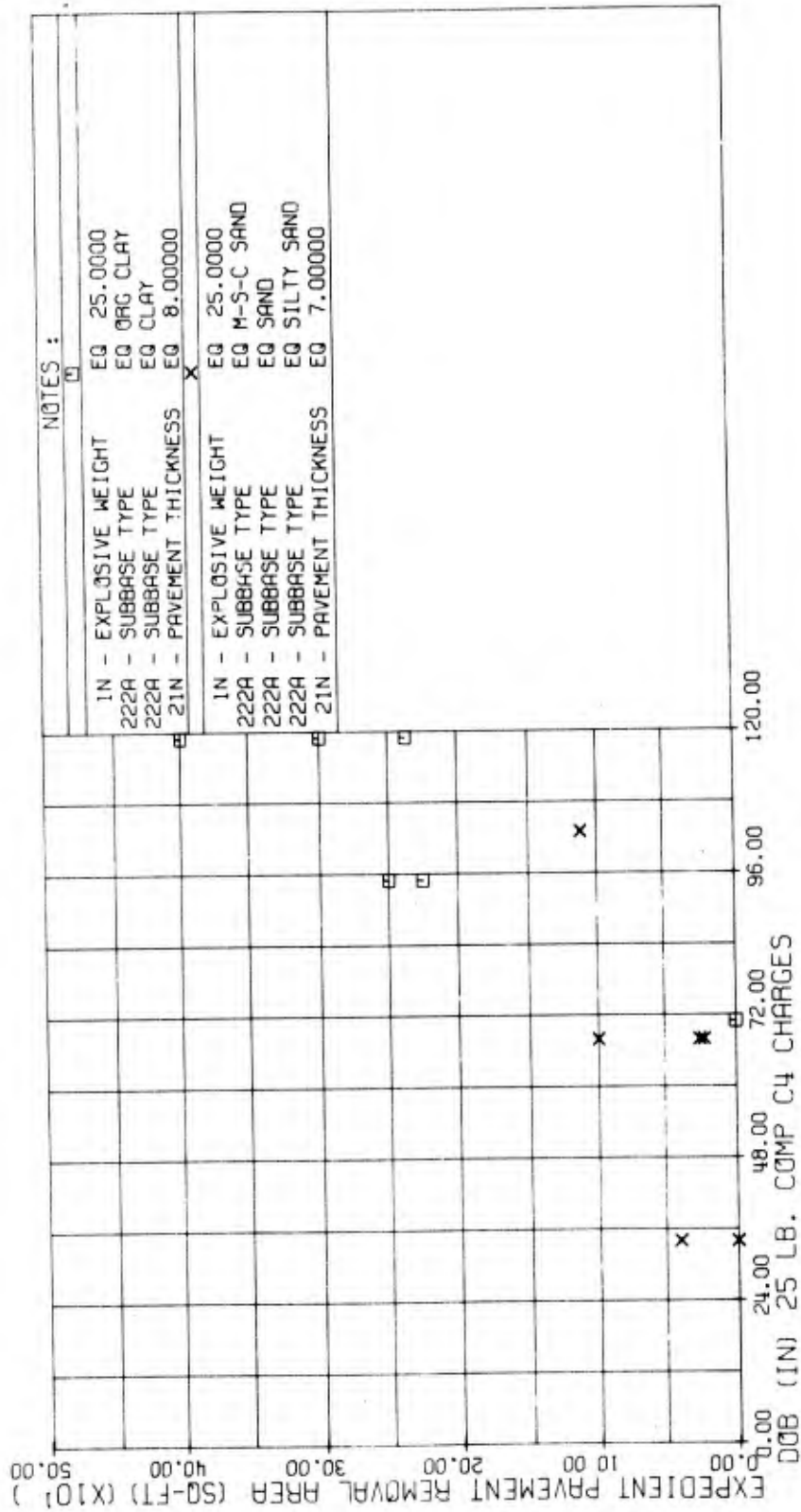


Figure B21. Expedient Pavement Removal Area Versus Depth of Burst for 25 Pound Comp. C4 Charges

EXPEDIENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

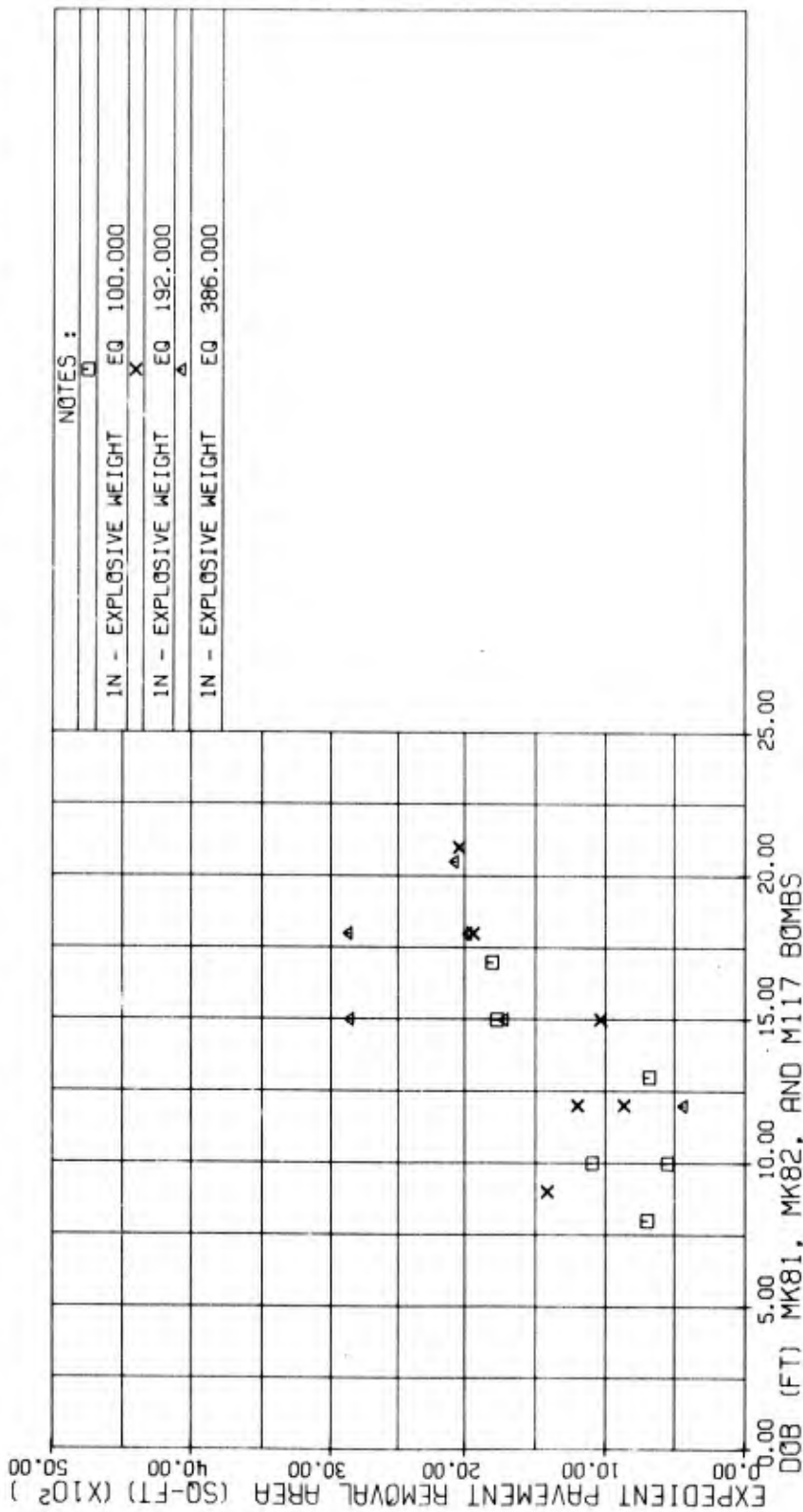
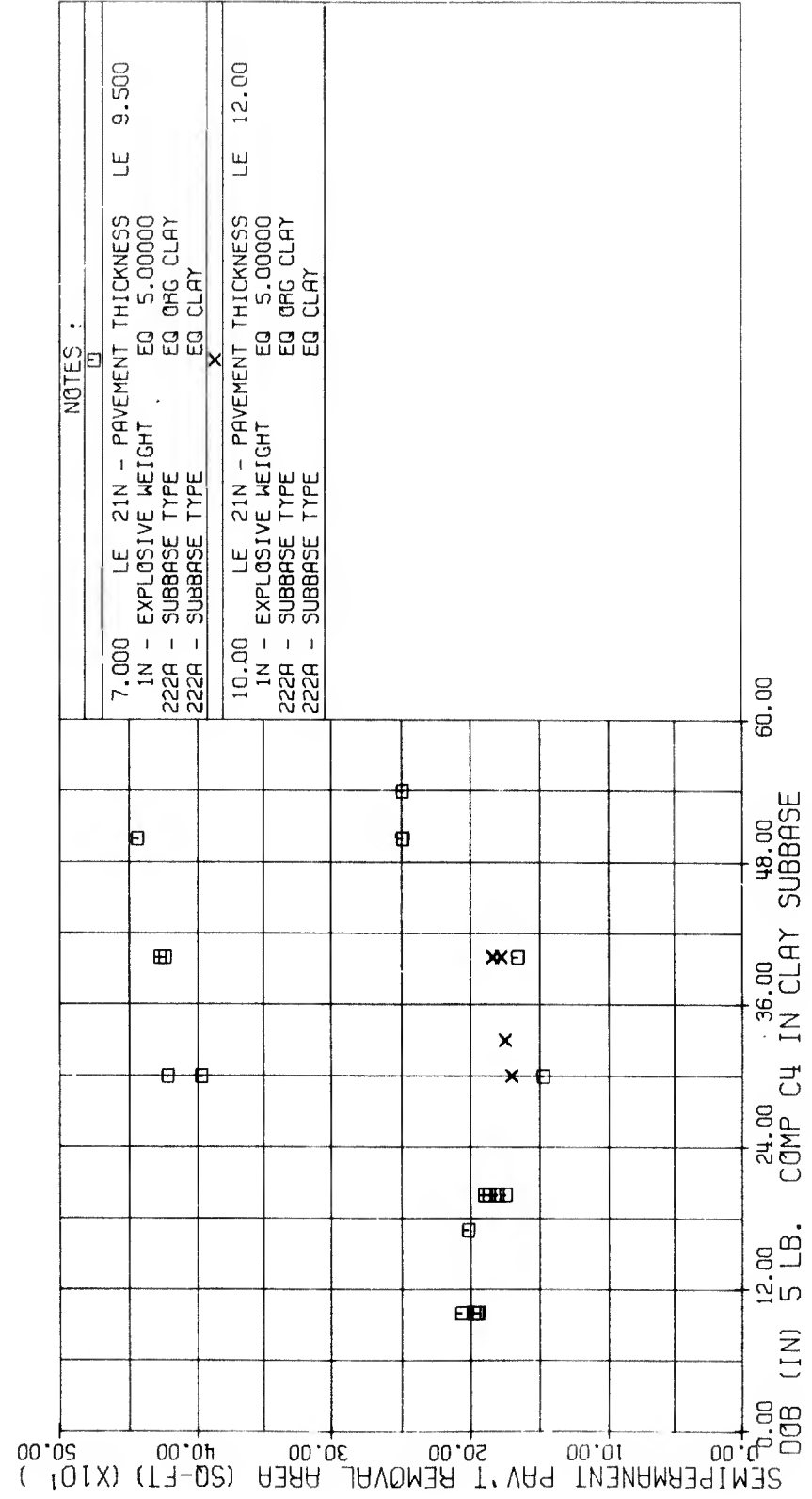


Figure B22. Expedient Pavement Removal Area Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

SEMIPERMANENT PAV'T REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
IN - EXPLOSIVE WEIGHT	EQ 5.00000	
222A - SUBBASE TYPE	EQ 0RG CLAY	
222A - SUBBASE TYPE	EQ CLAY	
	X	
10.000	LE 21N - PAVEMENT THICKNESS	LE 12.00
IN - EXPLOSIVE WEIGHT	EQ 5.00000	
222A - SUBBASE TYPE	EQ 0RG CLAY	
222A - SUBBASE TYPE	EQ CLAY	

Figure B23. Semipermanent Pavement Removal Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERMANENT PAV'T REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

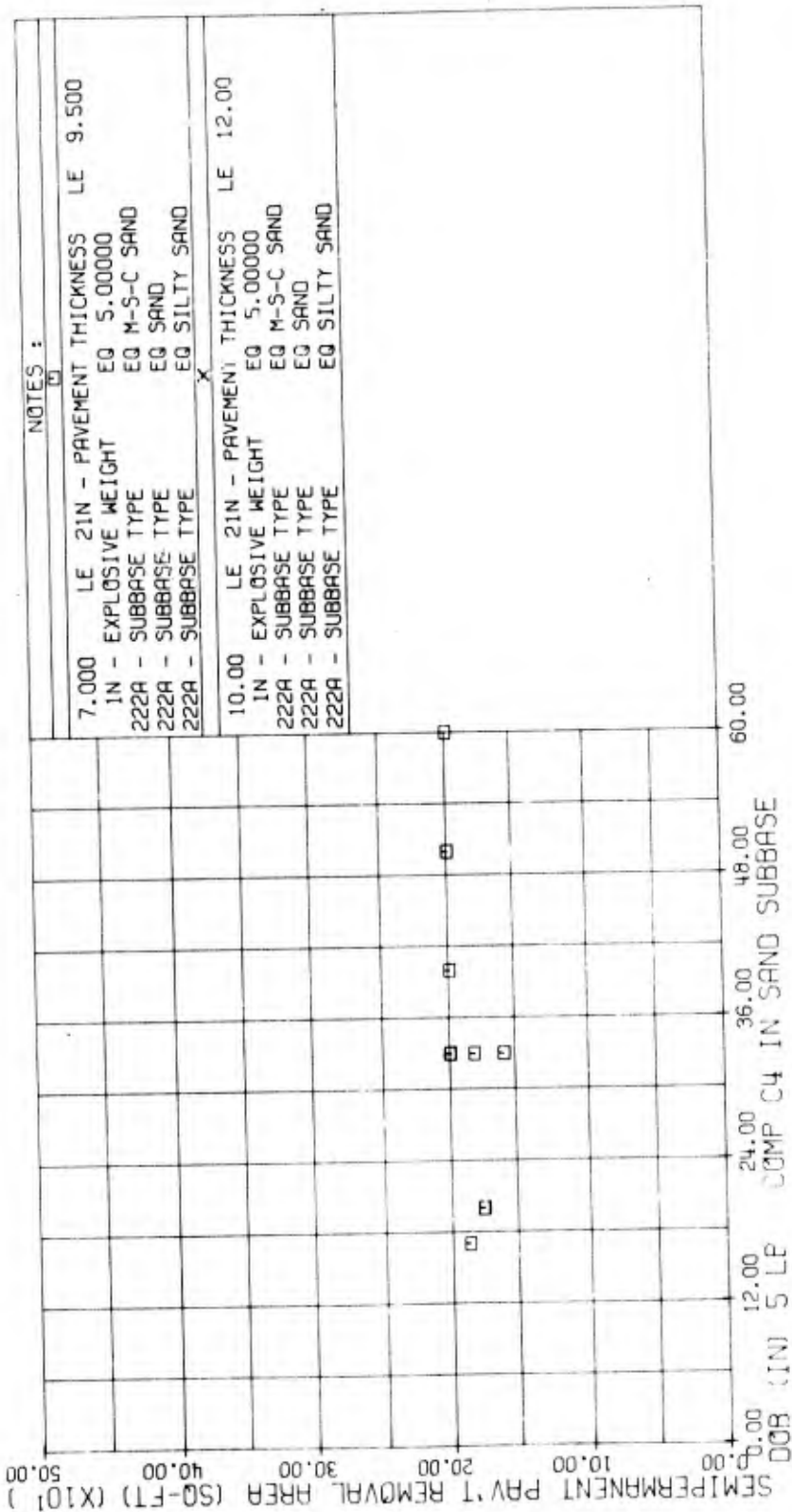


Figure B24. Semipermanent Pavement Removal Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERMANENT PAV'T REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

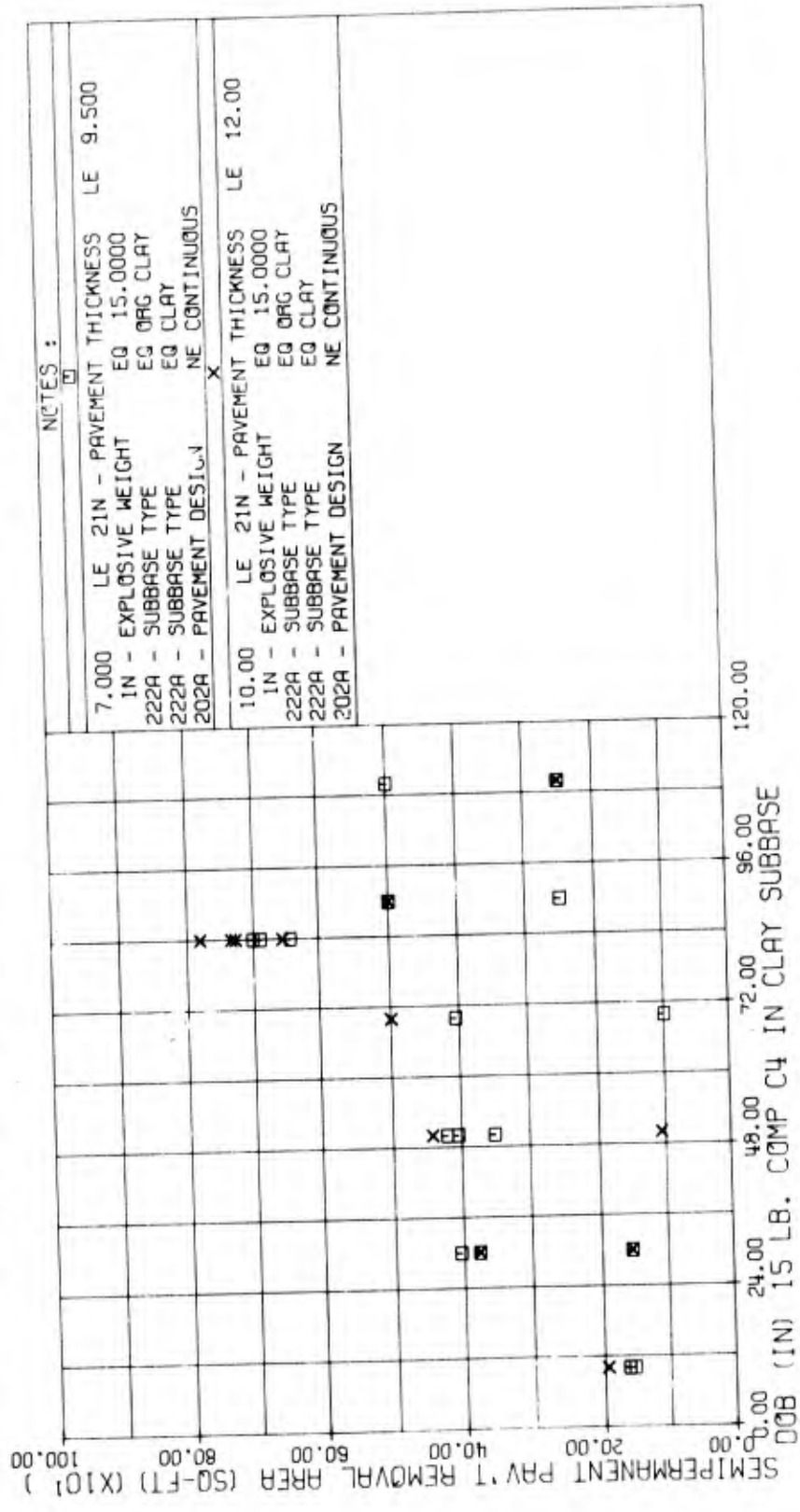


Figure B25. Semipermanent Pavement Removal Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERMANENT PAV'T REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

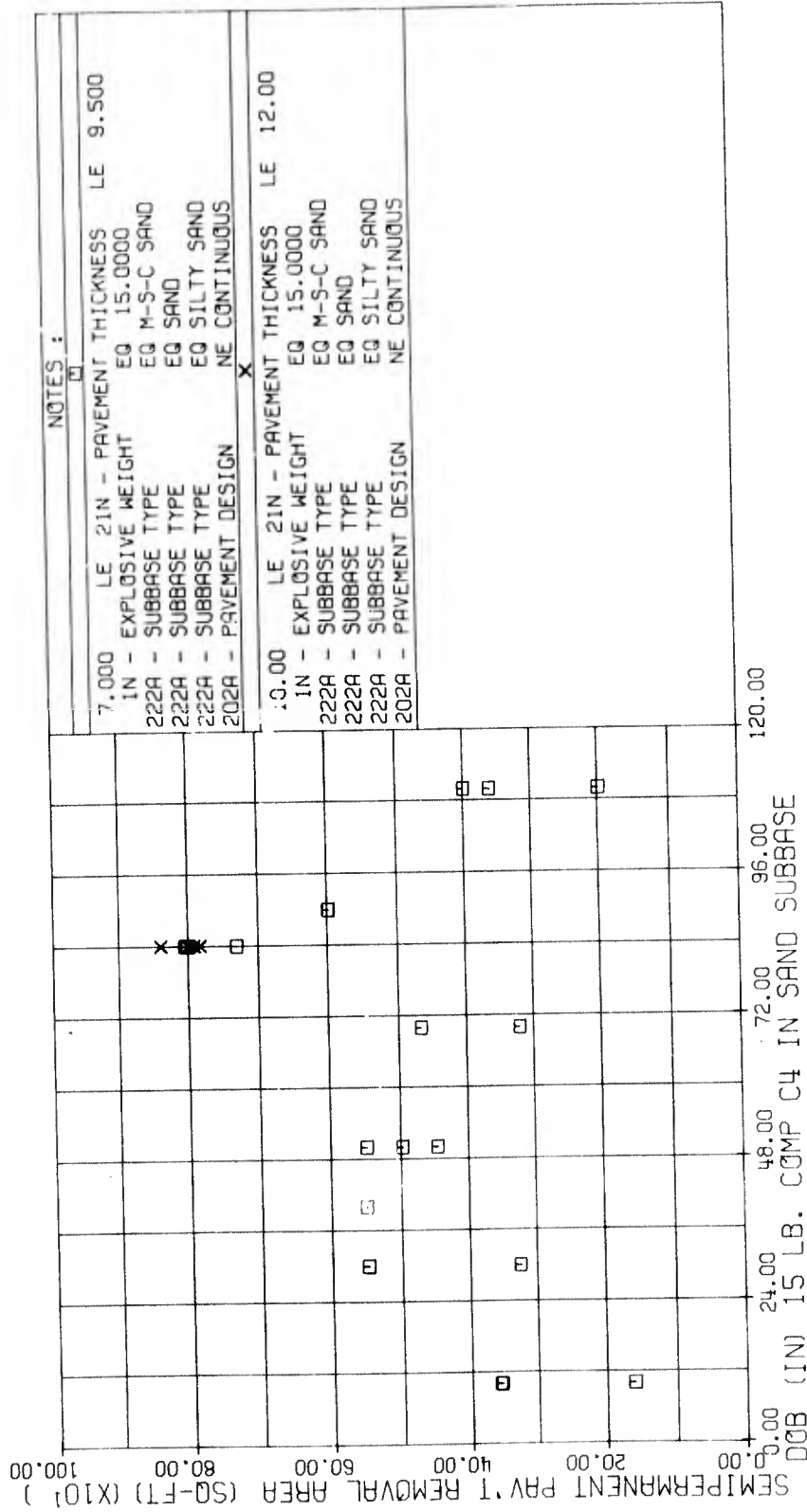


Figure B26. Semipermanent Pavement Removal Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERMANENT PAV'T REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

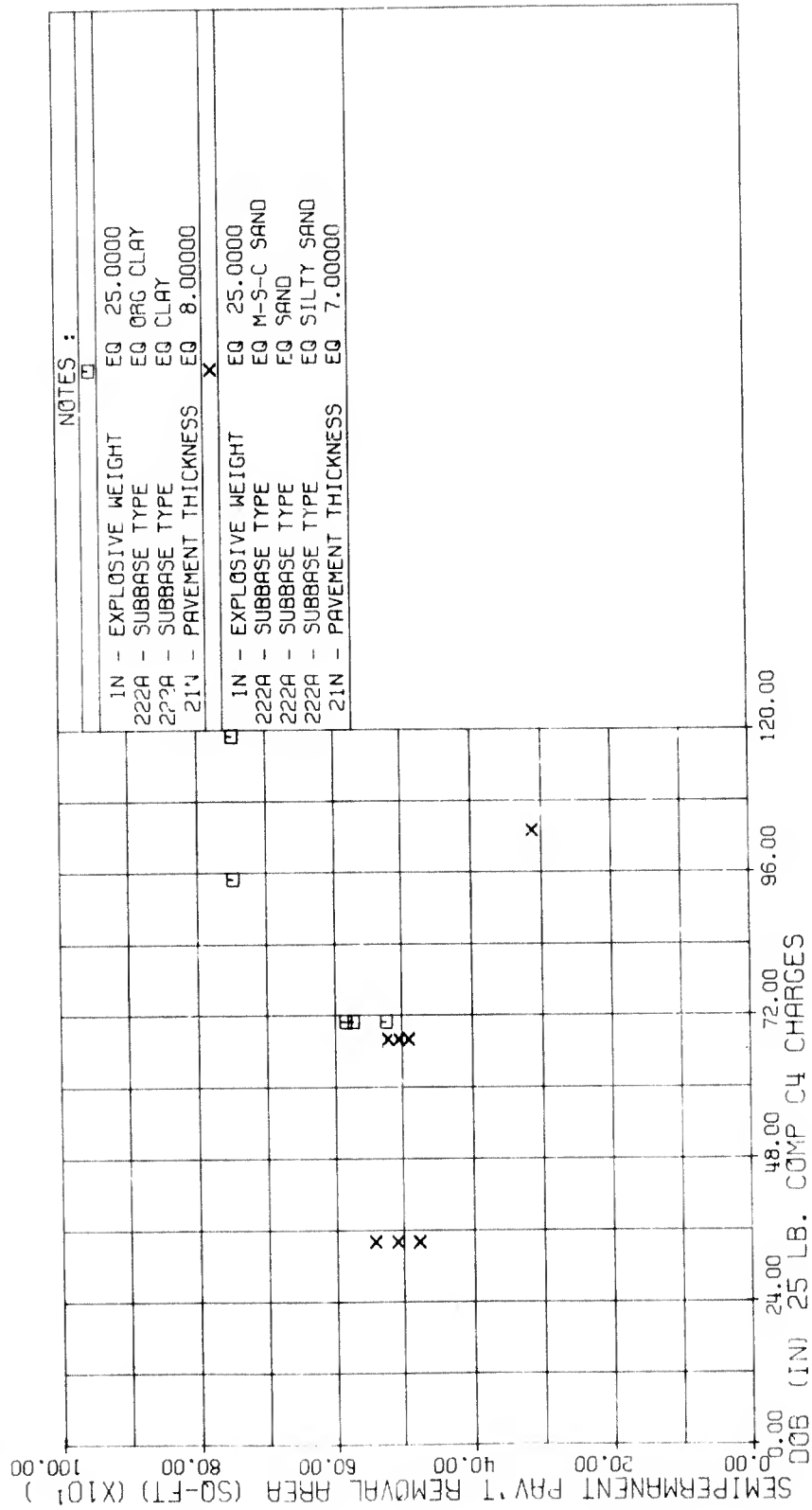


Figure B27. Semipermanent Pavement Removal Area Versus Depth of Burst for 25 Pound Comp. C4 Charges

PERMANENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

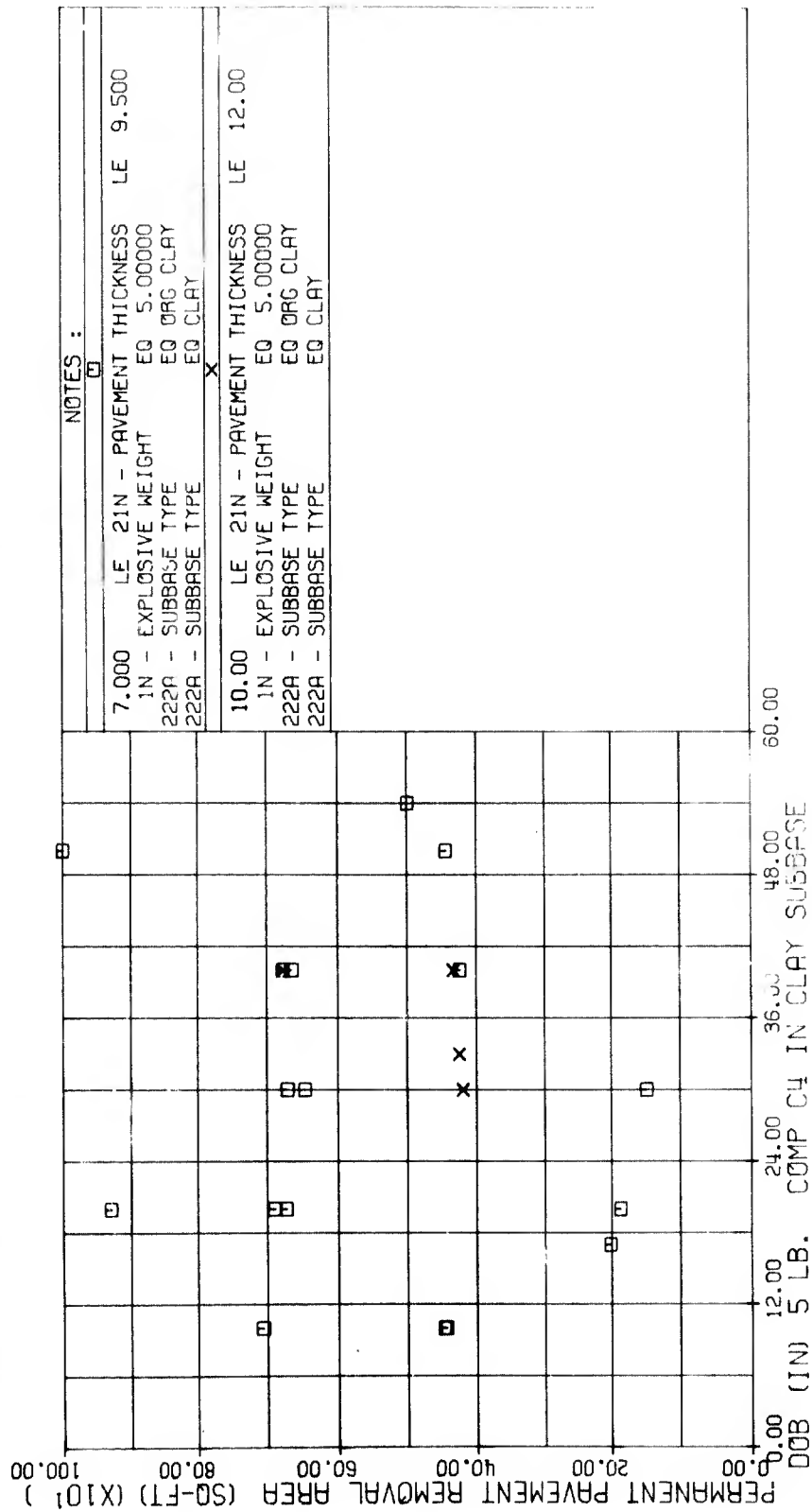
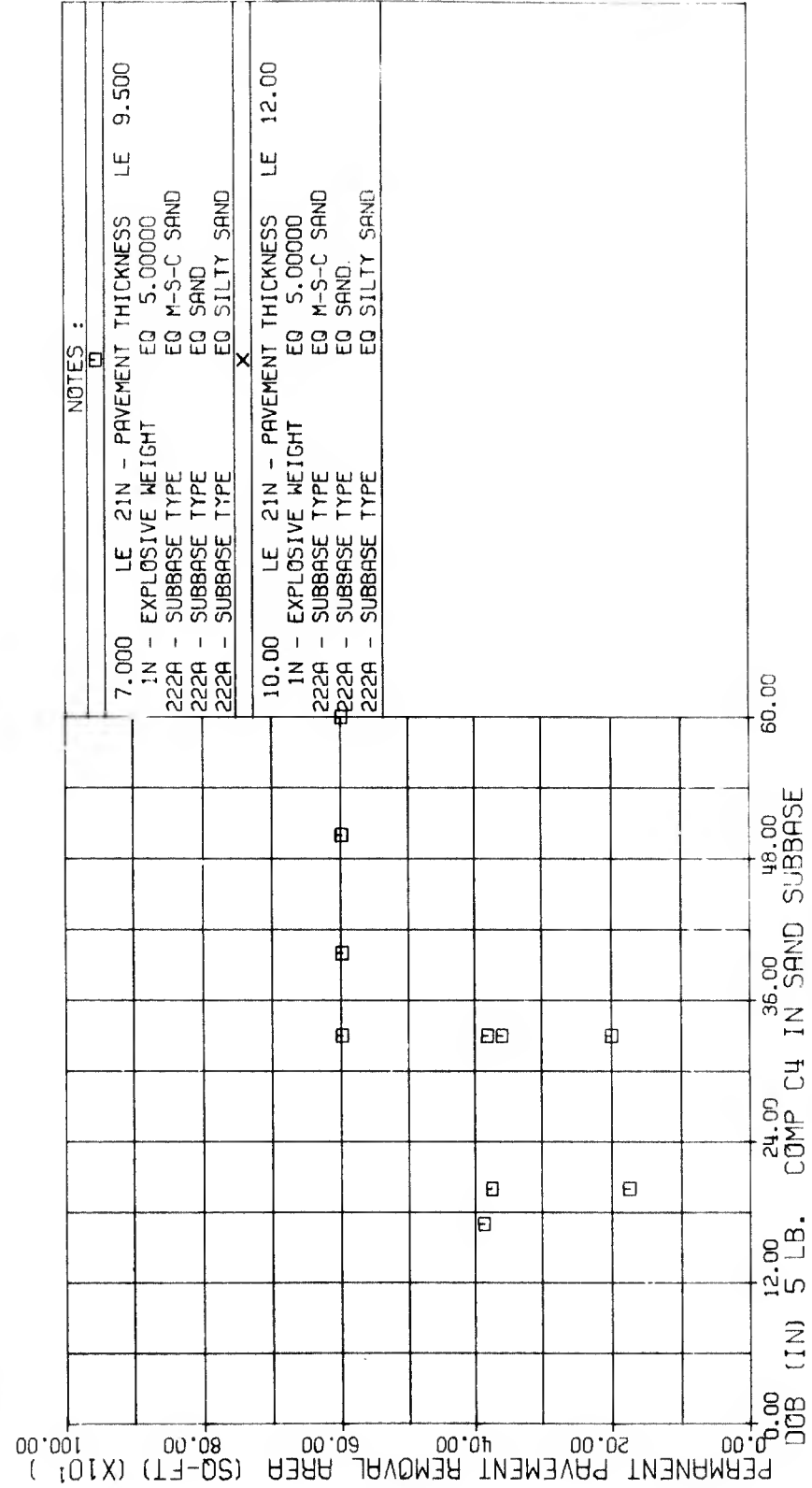


Figure B28. Permanent Pavement Removal Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

PERMANENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N -	EXPLOSIVE WEIGHT	EQ 5.00000
222A -	SUBBASE TYPE	EQ M-S-C SAND
222A -	SUBBASE TYPE	EQ SAND
222A -	SUBBASE TYPE	EQ SILTY SAND
X		
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N -	EXPLOSIVE WEIGHT	EQ 5.00000
222A -	SUBBASE TYPE	EQ M-S-C SAND
222A -	SUBBASE TYPE	EQ SAND
222A -	SUBBASE TYPE	EQ SILTY SAND

Figure B29. Permanent Pavement Removal Area Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

PERMANENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

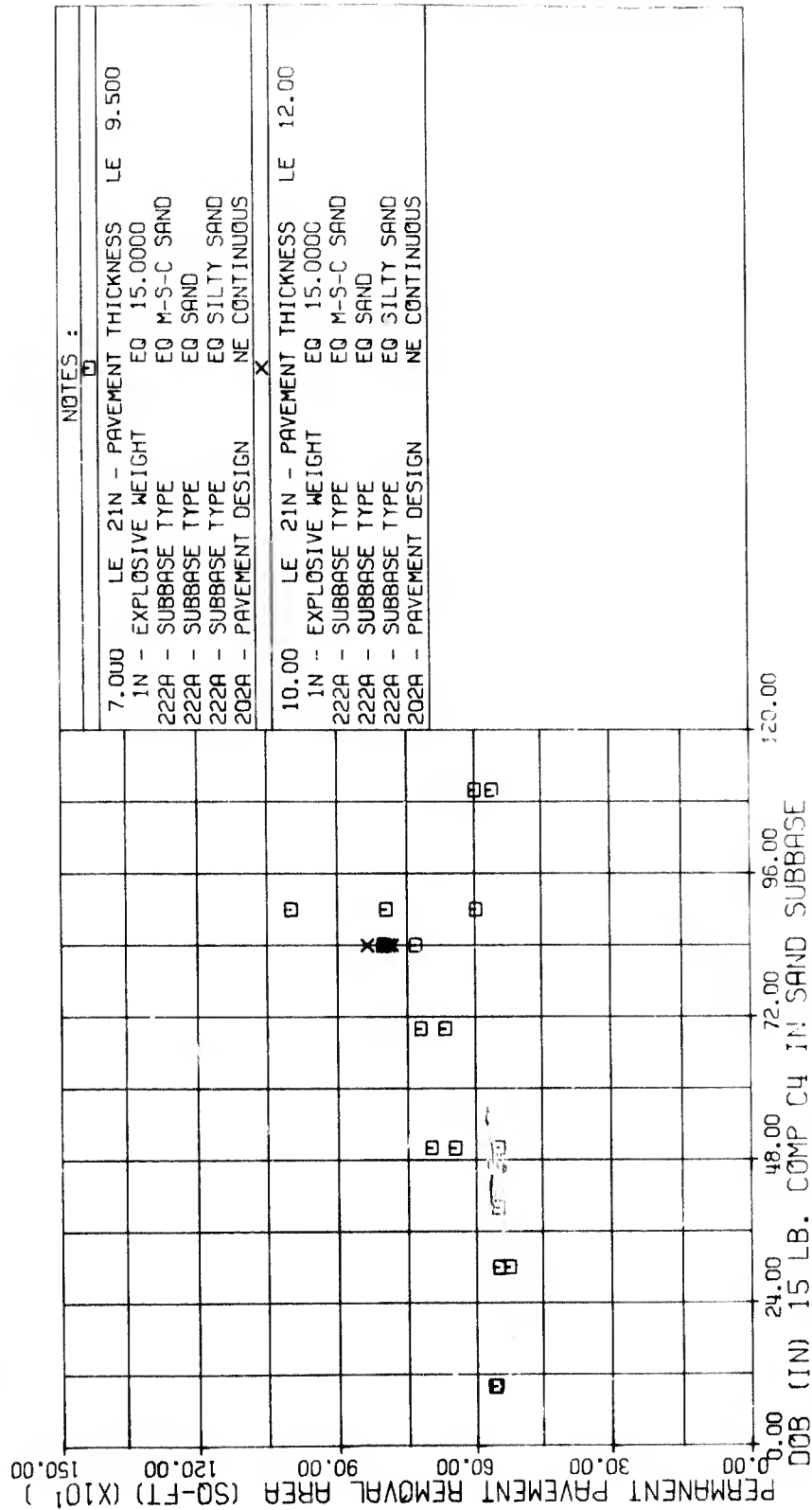


Figure B31. Permanent Pavement Removal Area Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

PERMANENT PAVEMENT REMOVAL AREA (SQ-FT) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

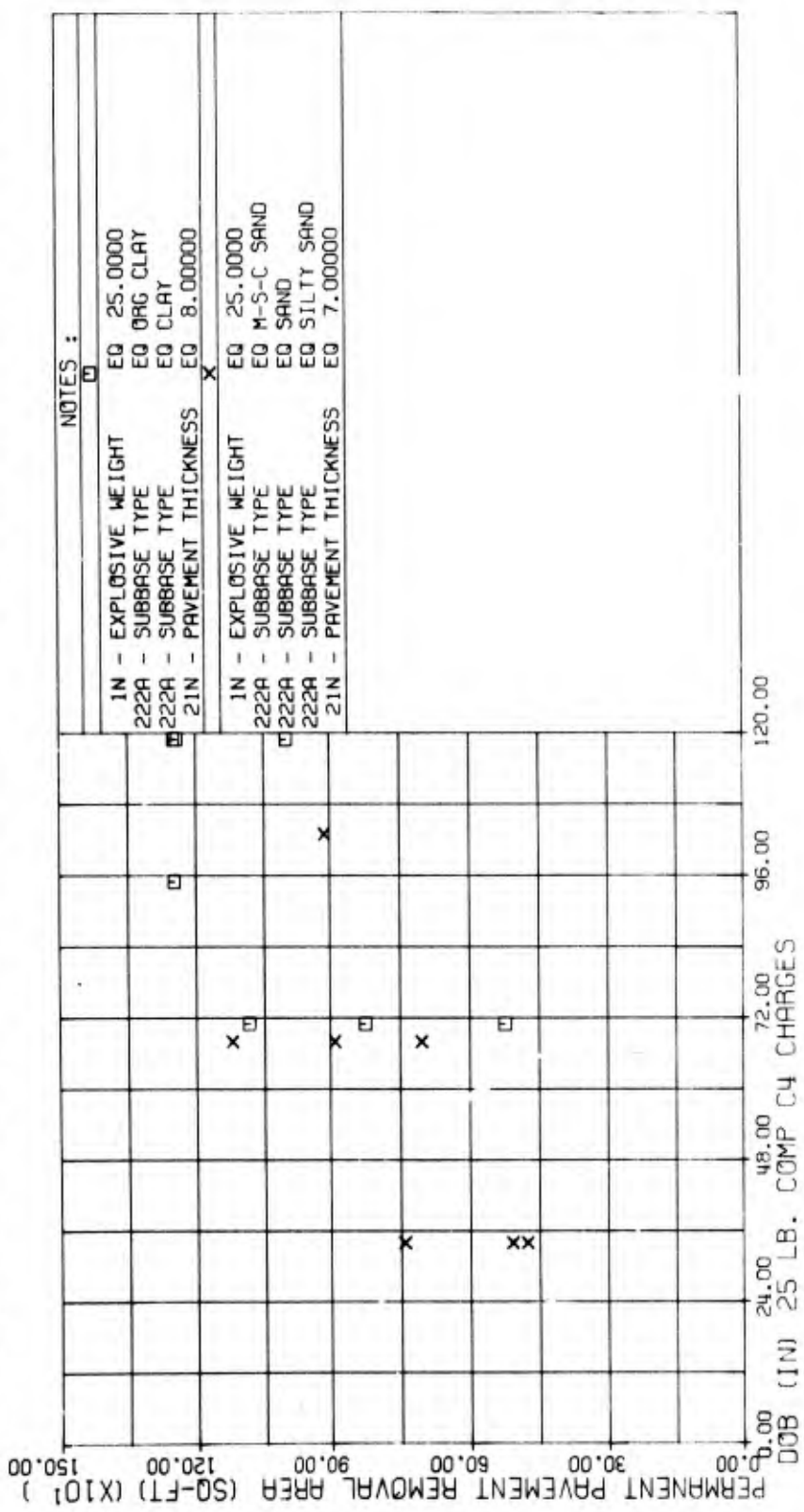
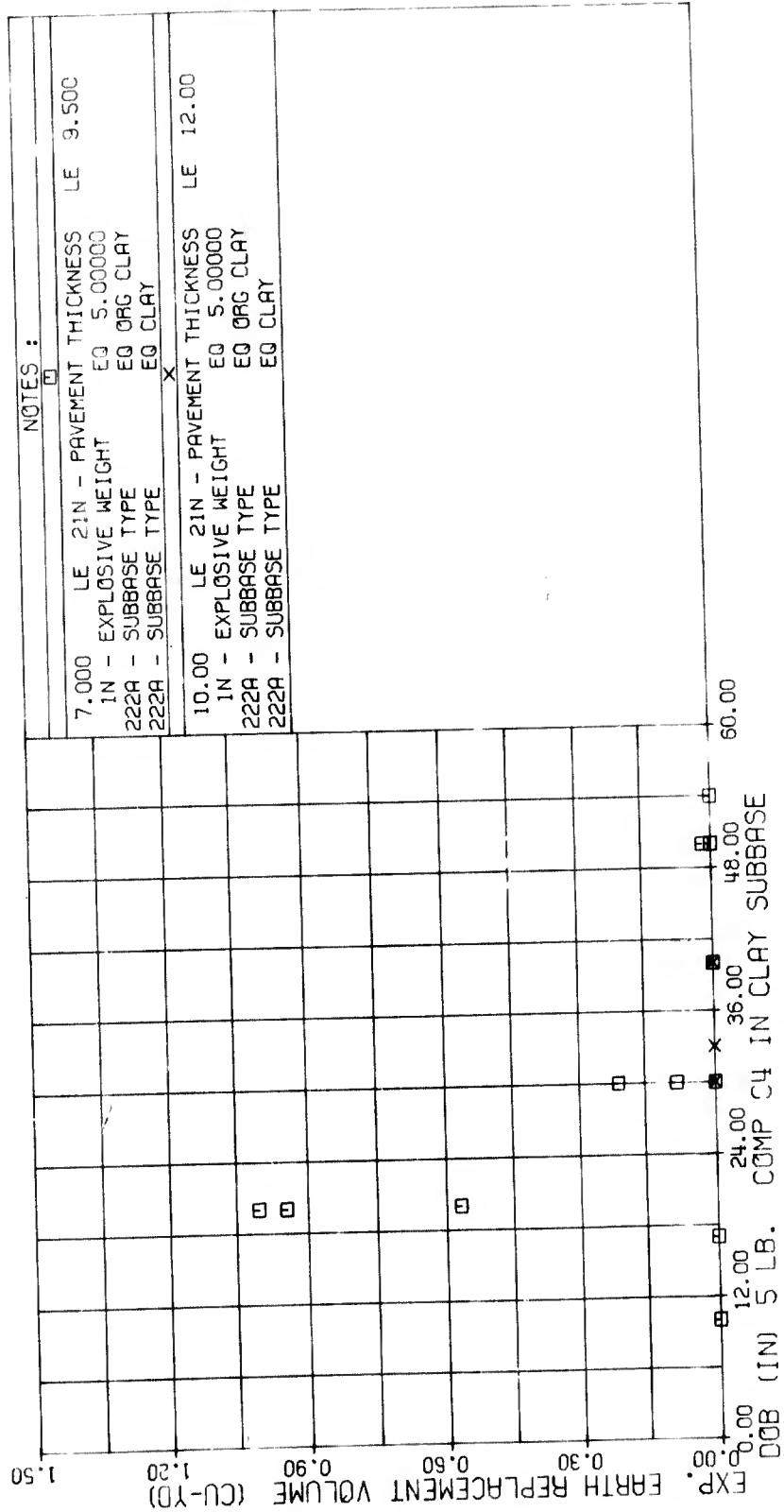


Figure B32. Permanent Pavement Removal Area Versus Depth of Burst for 25 Pound Comp. C4 Charges

EXP. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

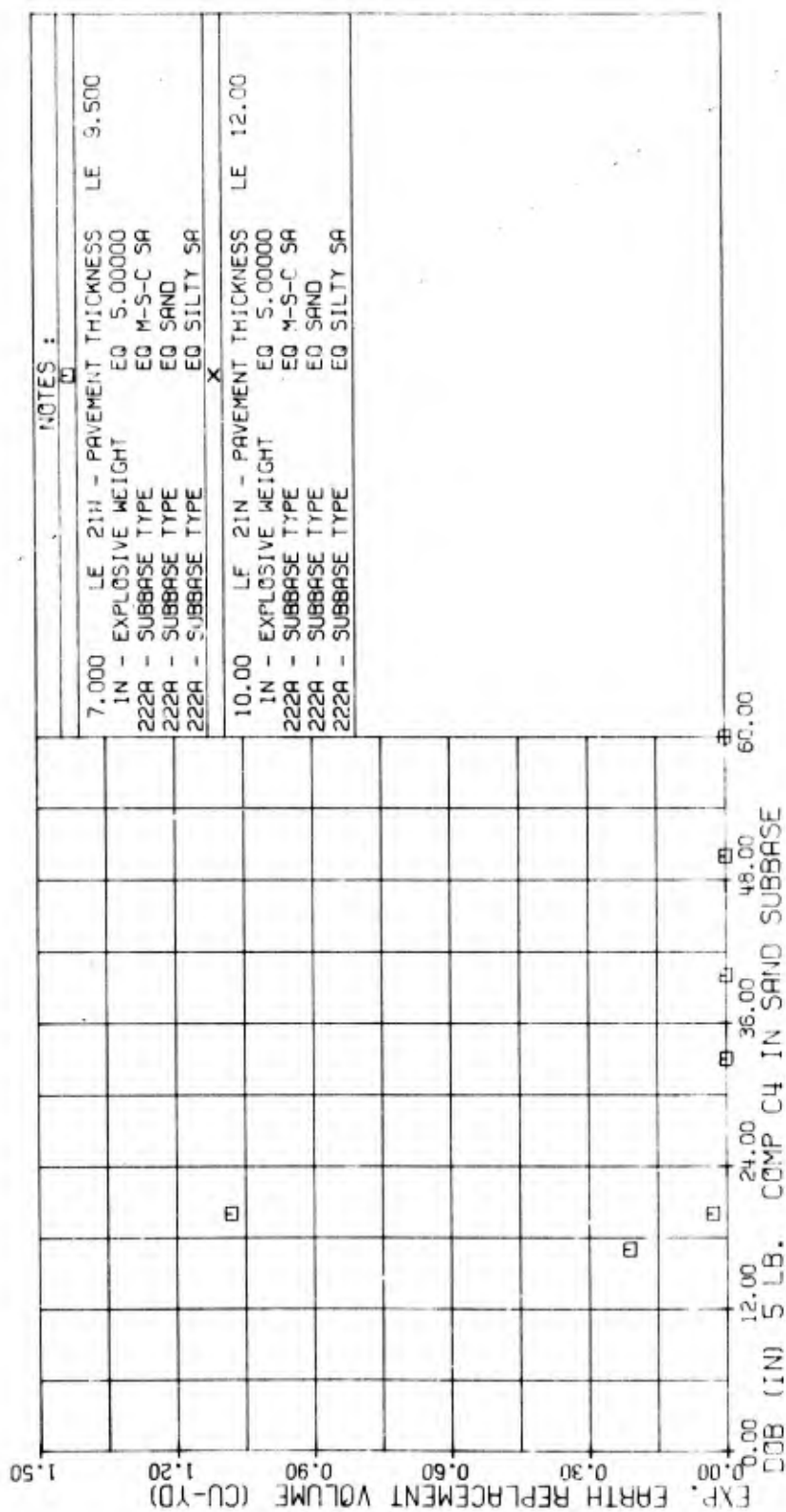


NOTES :

7.000	LE 2IN - PAVEMENT THICKNESS	LE 9.500
1N	EXPLOSIVE WEIGHT	EQ 5.00000
222A	SUBBASE TYPE	EQ ORG CLAY
222A	SUBBASE TYPE	EQ CLAY
X		
10.000	LE 2IN - PAVEMENT THICKNESS	LE 12.000
1N	EXPLOSIVE WEIGHT	EQ 5.00000
222A	SUBBASE TYPE	EQ ORG CLAY
222A	SUBBASE TYPE	EQ CLAY

Figure B33. Expedient Earth Replacement Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

EXP. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

- 7.000 LE 21H - PAVEMENT THICKNESS LE 9.500
 - IN - EXPLOSIVE WEIGHT EQ 5.00000
 - 222A - SUBBASE TYPE EQ M-S-C SA
 - 222A - SUBBASE TYPE EQ SAND
 - 222A - SUBBASE TYPE EQ SILTY SA
- X
- 10.00 LF 21N - PAVEMENT THICKNESS LE 12.00
 - IN - EXPLOSIVE WEIGHT EQ 5.00000
 - 222A - SUBBASE TYPE EQ M-S-C SA
 - 222A - SUBBASE TYPE EQ SAND
 - 222A - SUBBASE TYPE EQ SILTY SA

Figure B34. Expedient Earth Replacement Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

EXP. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

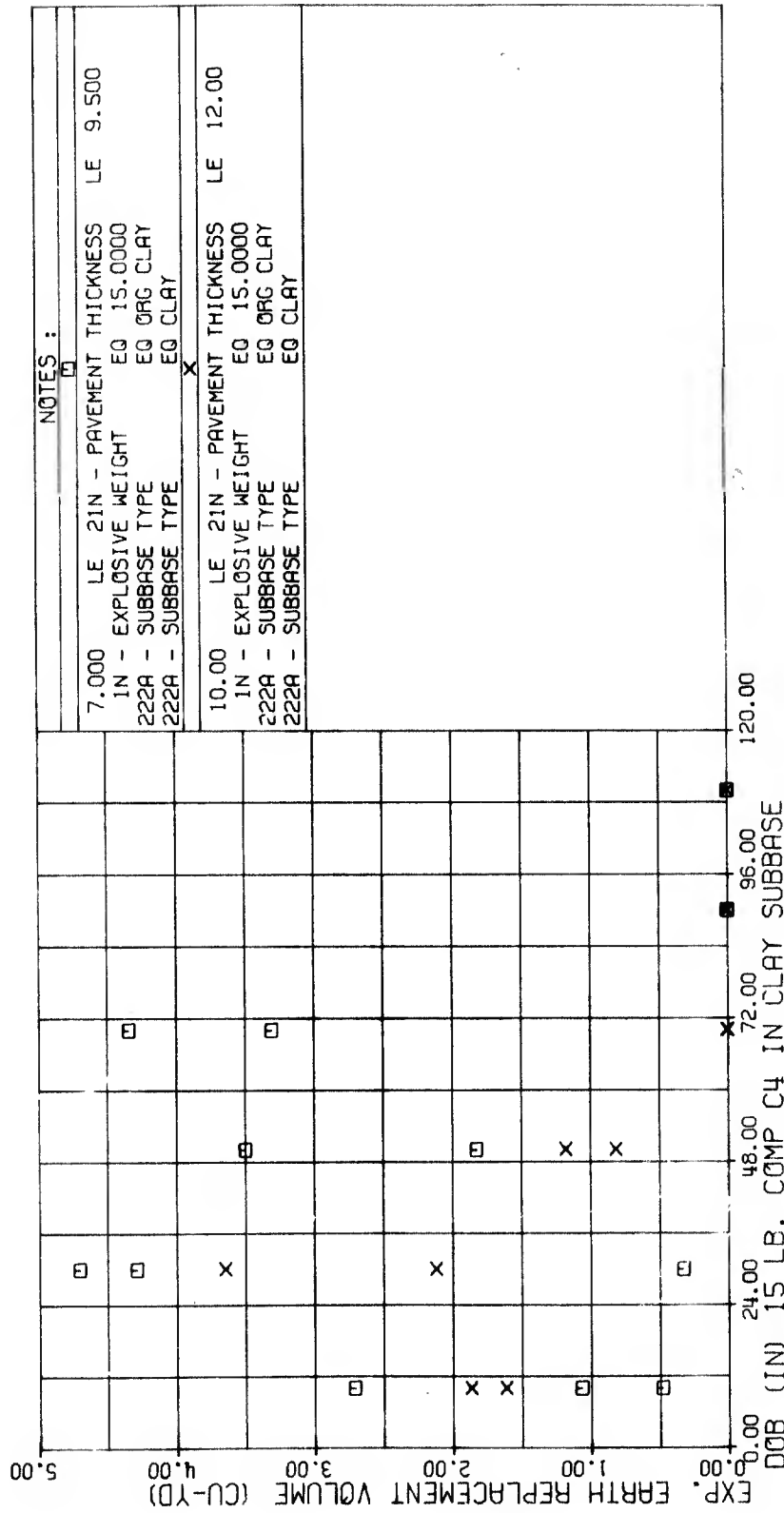


Figure B35. Expedient Earth Replacement Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

EXP. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

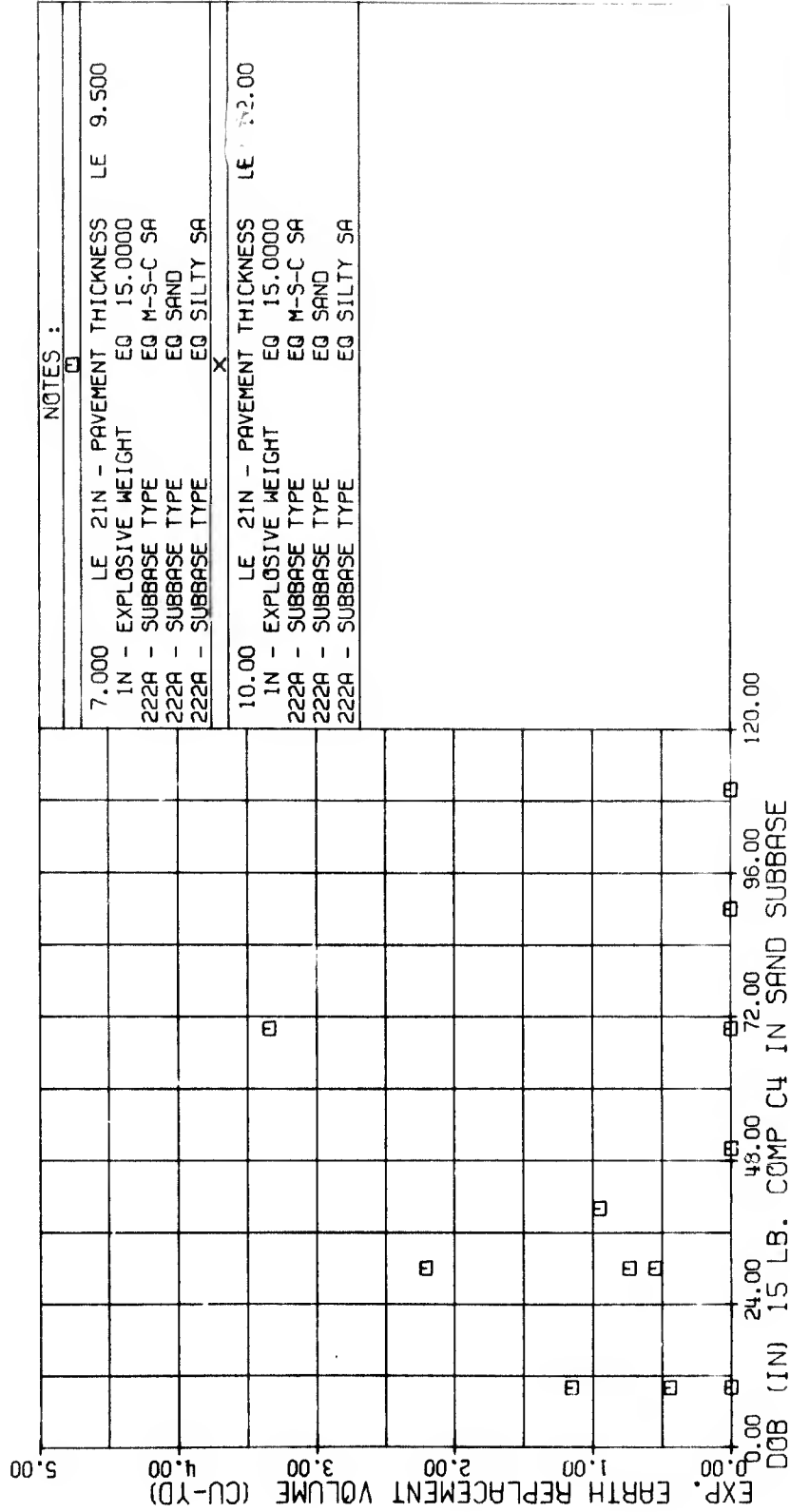


Figure B36. Expedient Earth Replacement Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

EXP. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

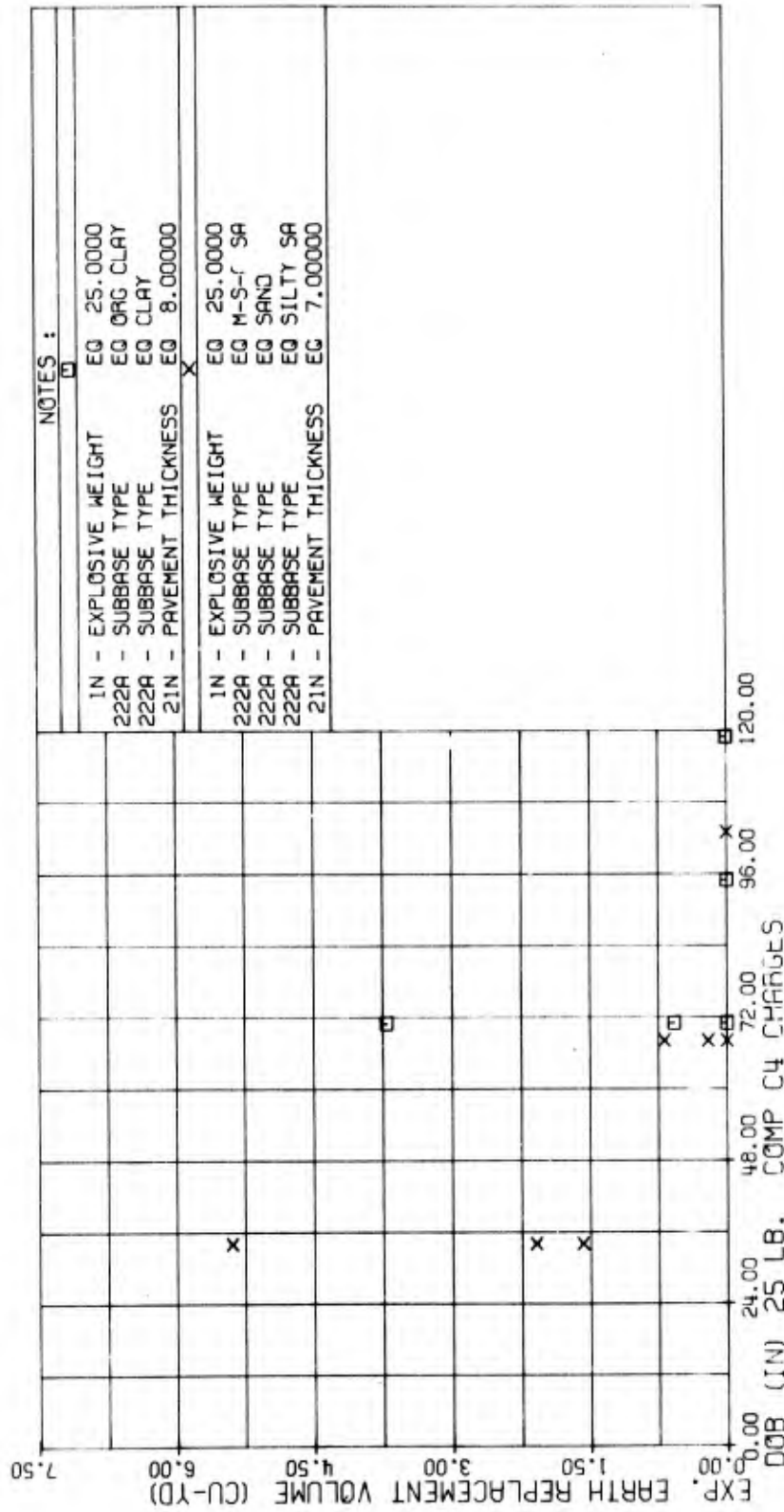


Figure B37. Expedient Earth Replacement Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

EXP. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

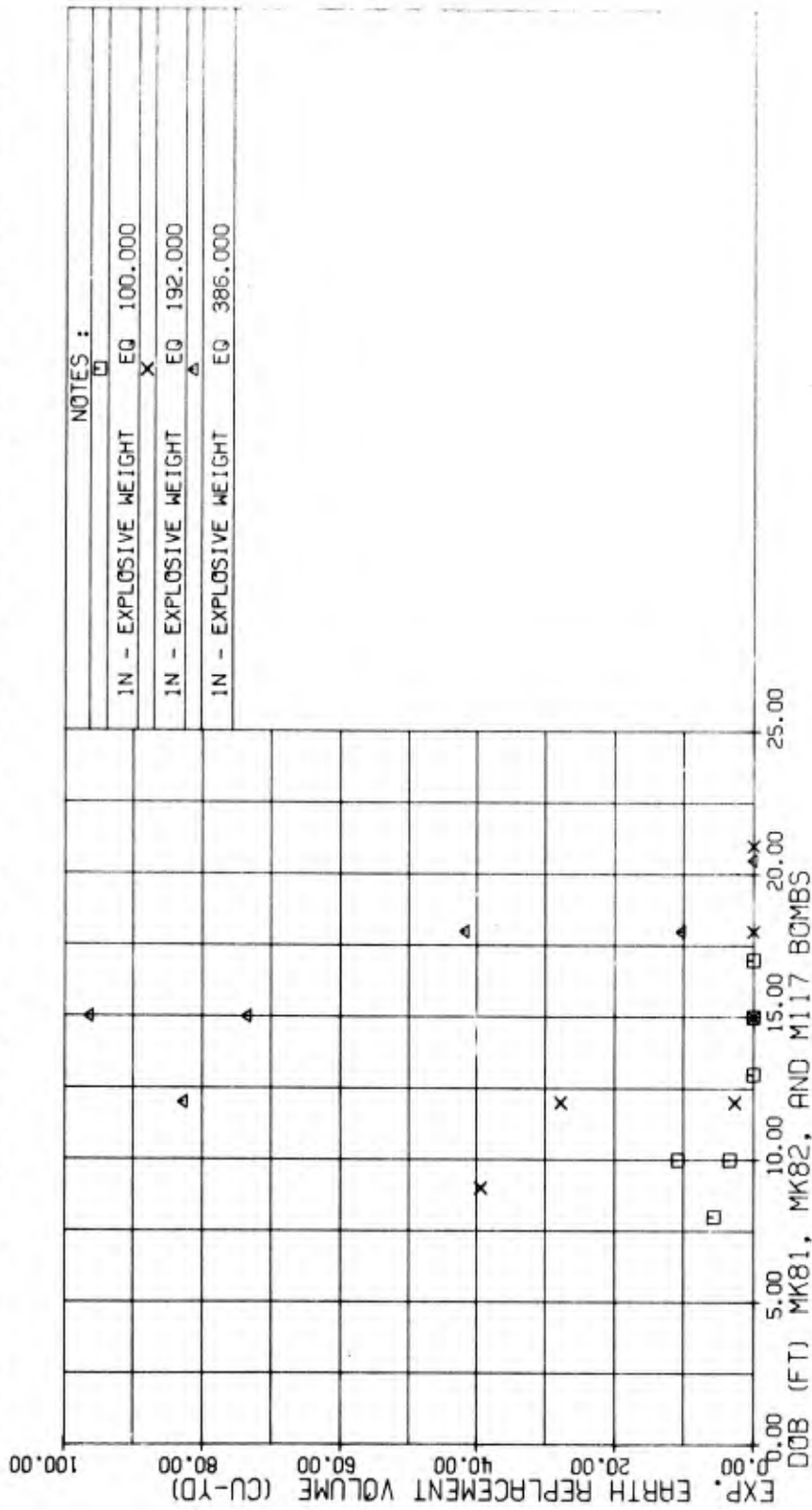


Figure B38. Expedient Earth Replacement Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

SEMIPERM. EARTH REPL. VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

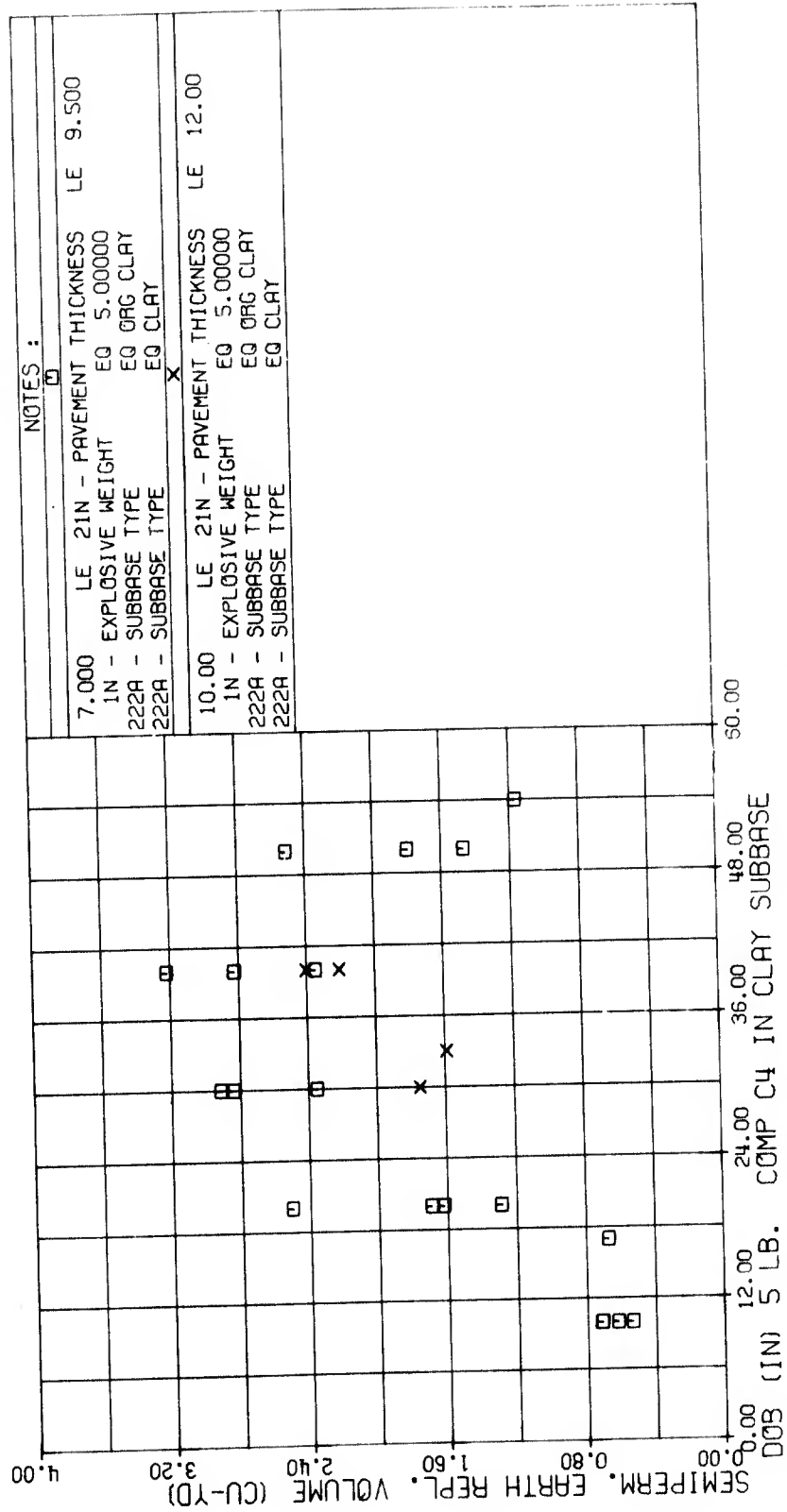


Figure B39. Semipermanent Earth Replacement Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERM. EARTH REPL. VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

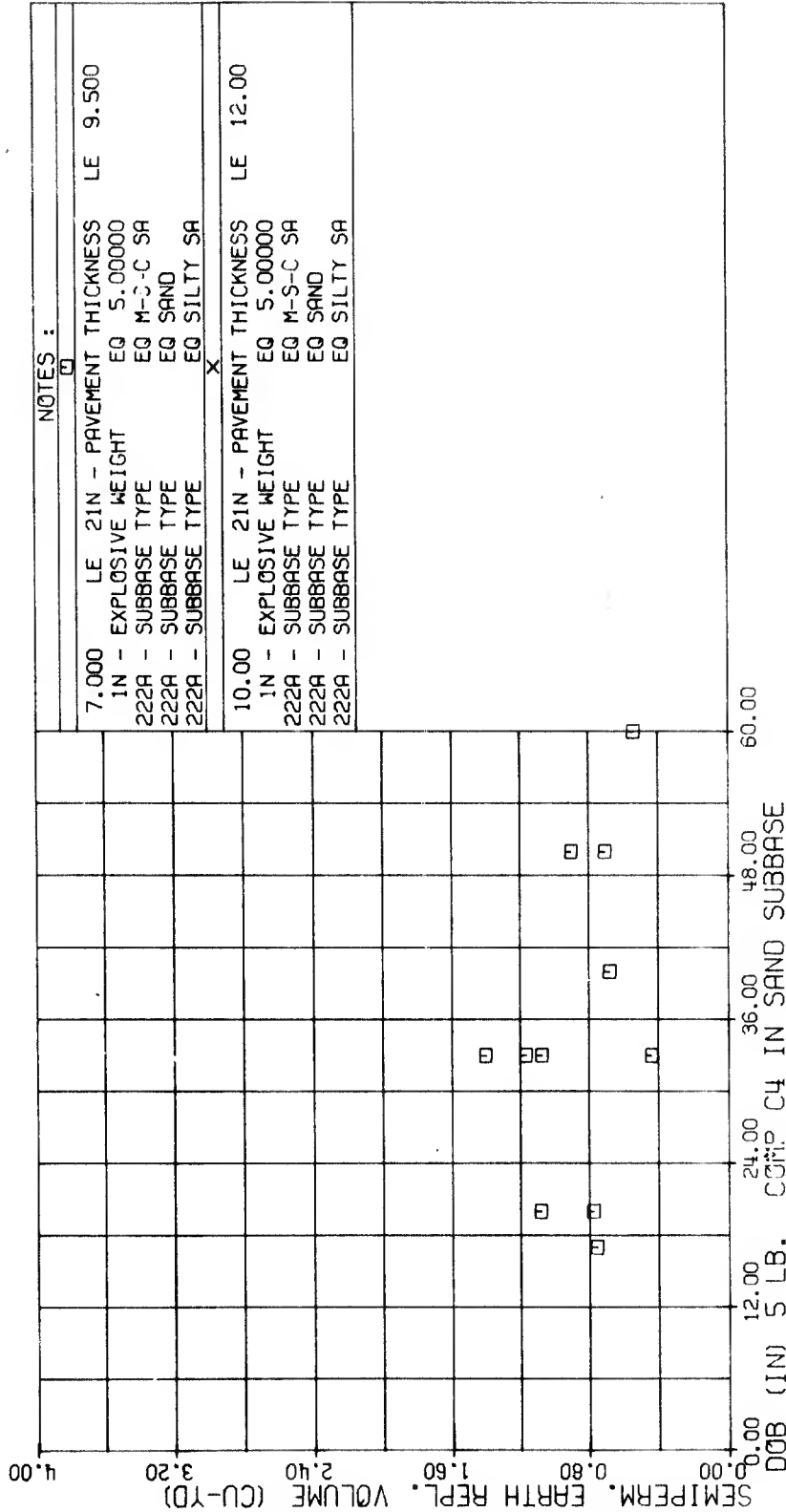
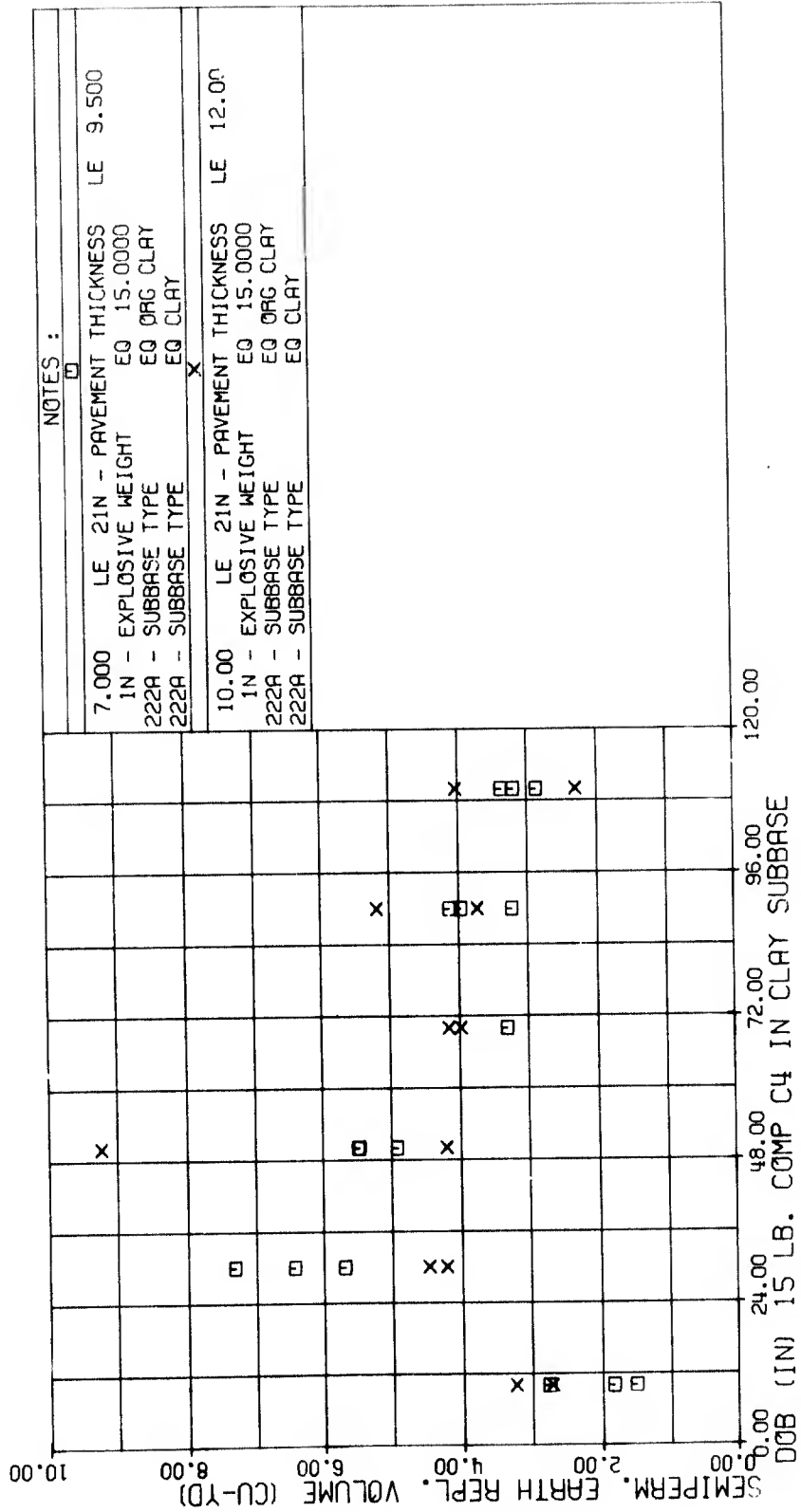


Figure B40. Semipermanent Earth Replacement Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERM. EARTH REPL. VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

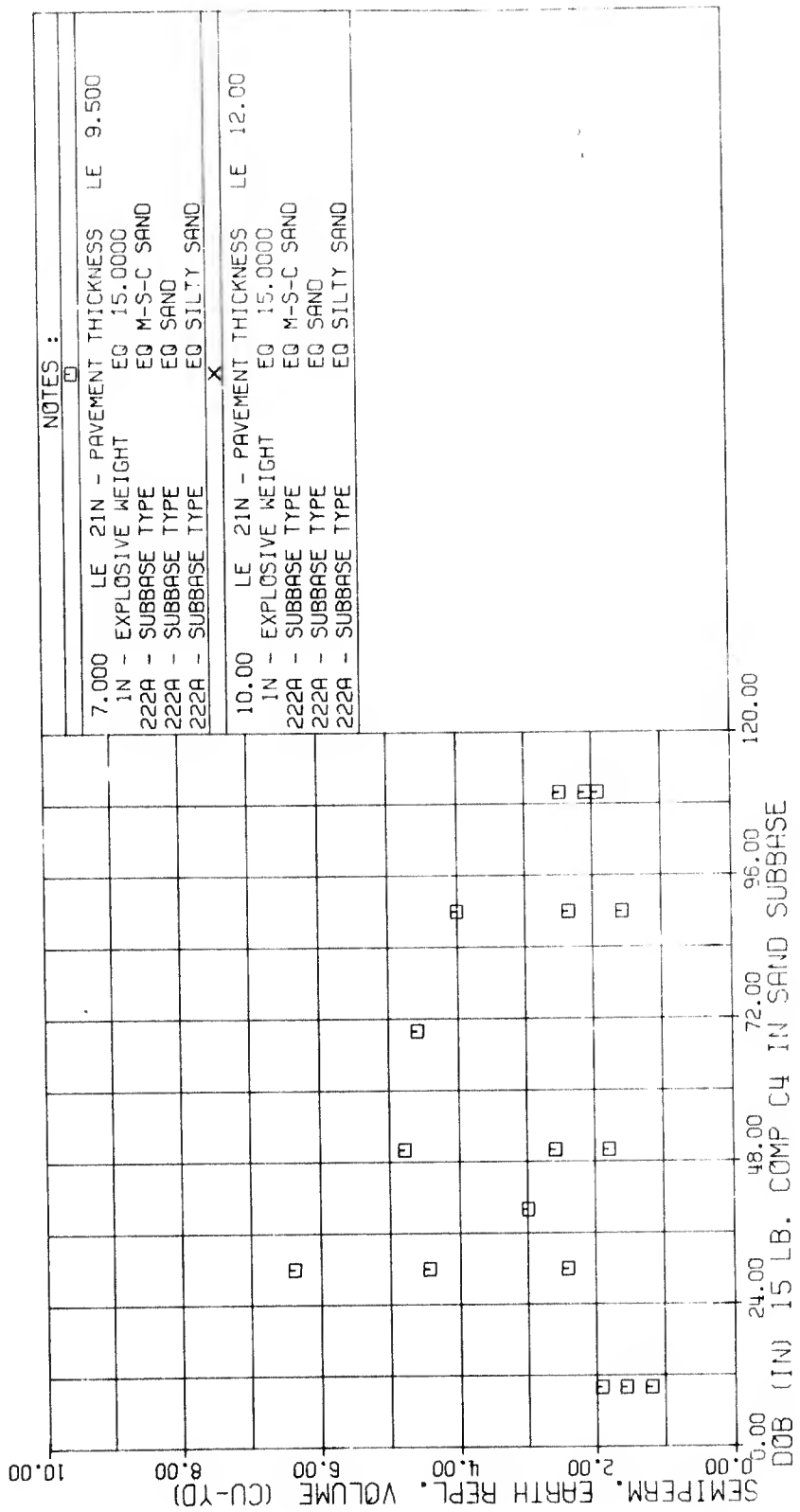


NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
IN -	EXPLOSIVE WEIGHT	EQ 15.0000
222A -	SUBBASE TYPE	EQ ORG CLAY
222A -	SUBBASE TYPE	EQ CLAY
		X
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
IN -	EXPLOSIVE WEIGHT	EQ 15.0000
222A -	SUBBASE TYPE	EQ ORG CLAY
222A -	SUBBASE TYPE	EQ CLAY

Figure B41. Semipermanent Earth Replacement Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERM. EARTH REPL. VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE	21N - PAVEMENT THICKNESS	LE	9.500
1N -	EXPLOSIVE WEIGHT	EQ	15.0000	
222A -	SUBBASE TYPE	EQ	M-S-C SAND	
222A -	SUBBASE TYPE	EQ	SAND	
222A -	SUBBASE TYPE	EQ	SILTY SAND	
				X
10.00	LE	21N - PAVEMENT THICKNESS	LE	12.00
1N -	EXPLOSIVE WEIGHT	EQ	15.0000	
222A -	SUBBASE TYPE	EQ	M-S-C SAND	
222A -	SUBBASE TYPE	EQ	SAND	
222A -	SUBBASE TYPE	EQ	SILTY SAND	

Figure B42. Semipermanent Earth Replacement Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERM. EARTH REPL. VOLUME (CU-YD) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

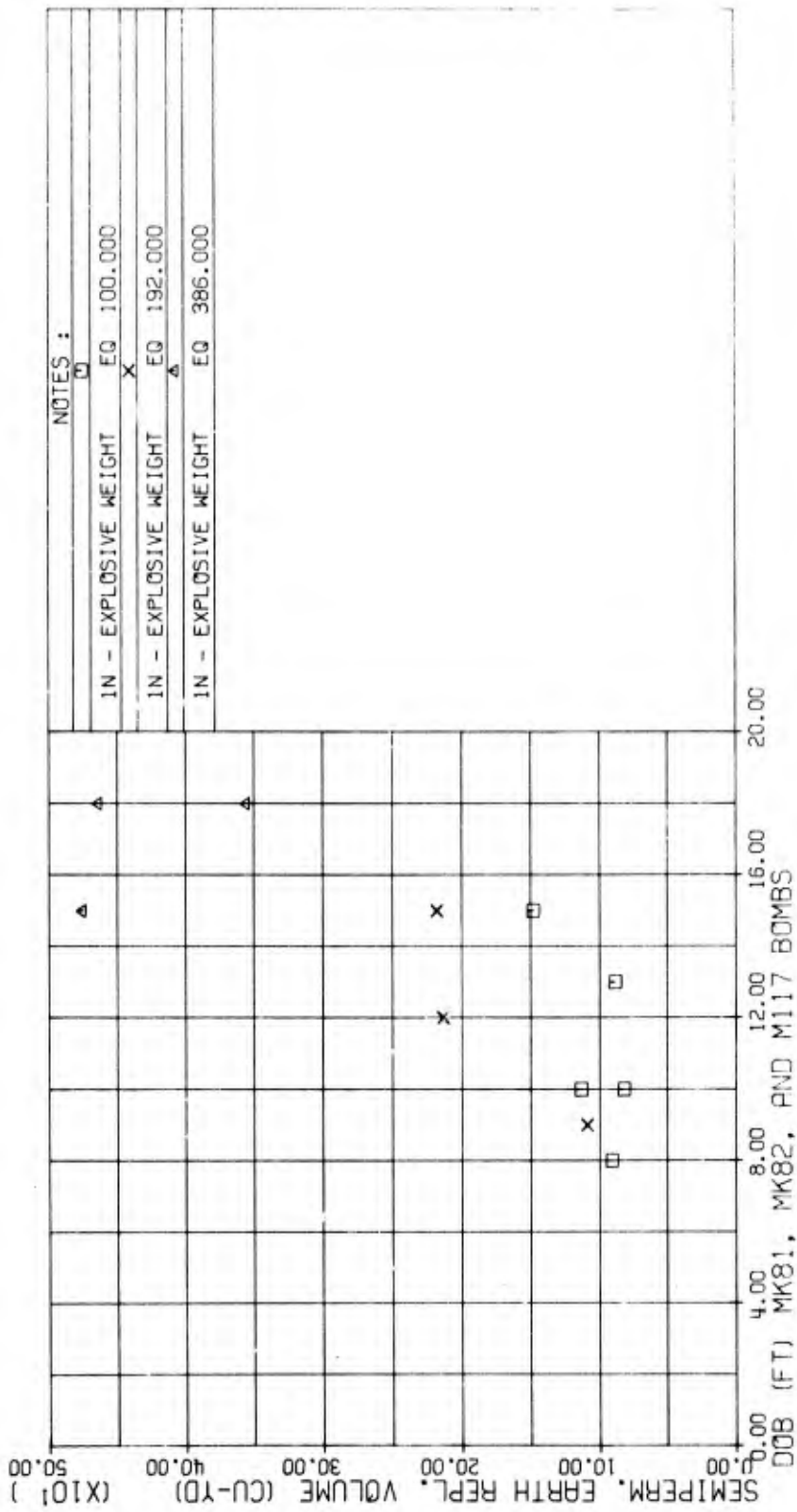
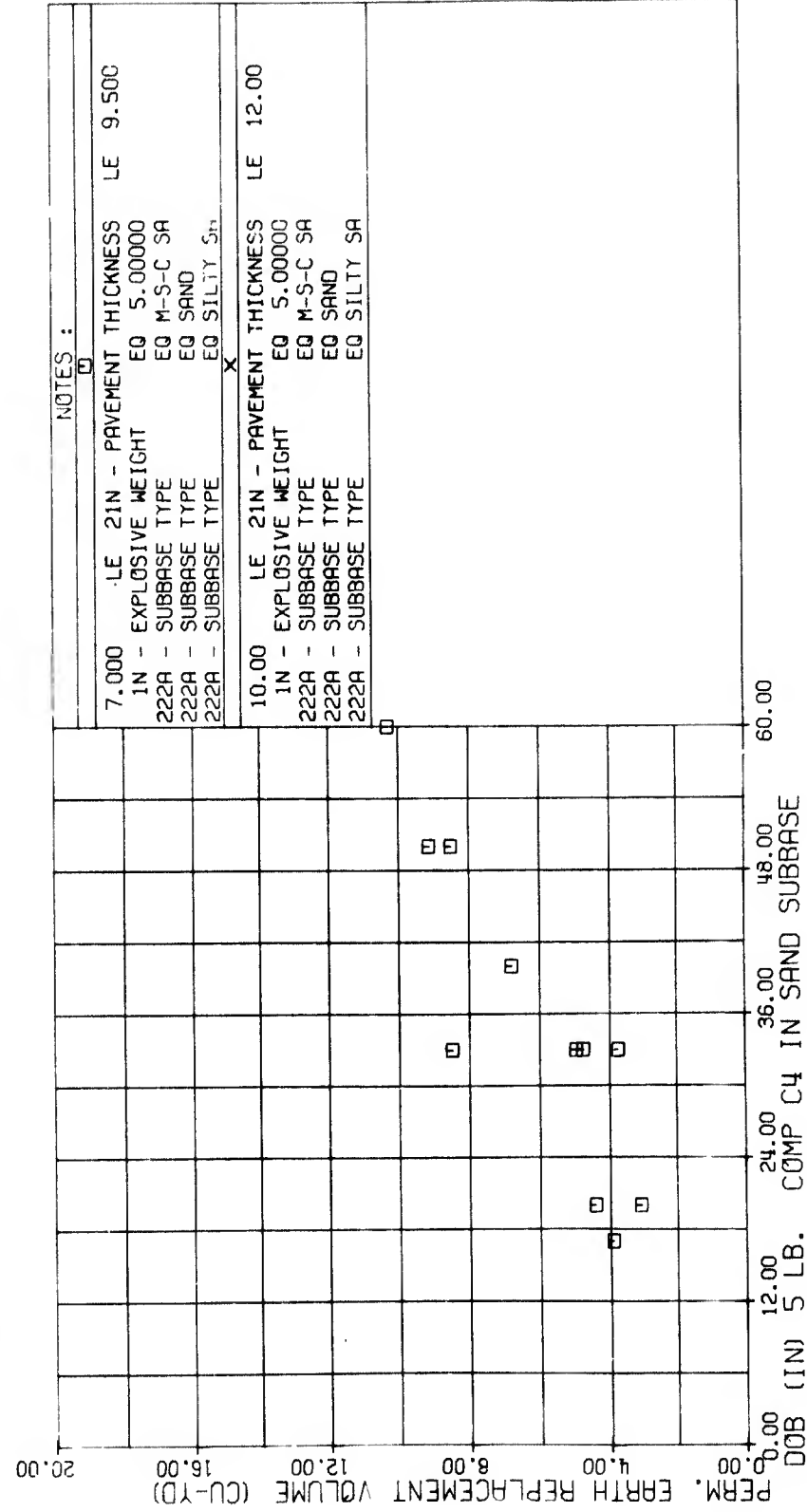


Figure B44. Semipermanent Earth Replacement Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

PERM. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N	EXPLOSIVE WEIGHT	EQ 5.00000
222A	SUBBASE TYPE	EQ M-S-C SA
222A	SUBBASE TYPE	EQ SAND
222A	SUBBASE TYPE	EQ SILTY SH
X		
10.000	LE 21N - PAVEMENT THICKNESS	LE 12.000
1N	EXPLOSIVE WEIGHT	EQ 5.00000
222A	SUBBASE TYPE	EQ M-S-C SA
222A	SUBBASE TYPE	EQ SAND
222A	SUBBASE TYPE	EQ SILTY SA

Figure B46. Permanent Earth Replacement Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

PERM. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

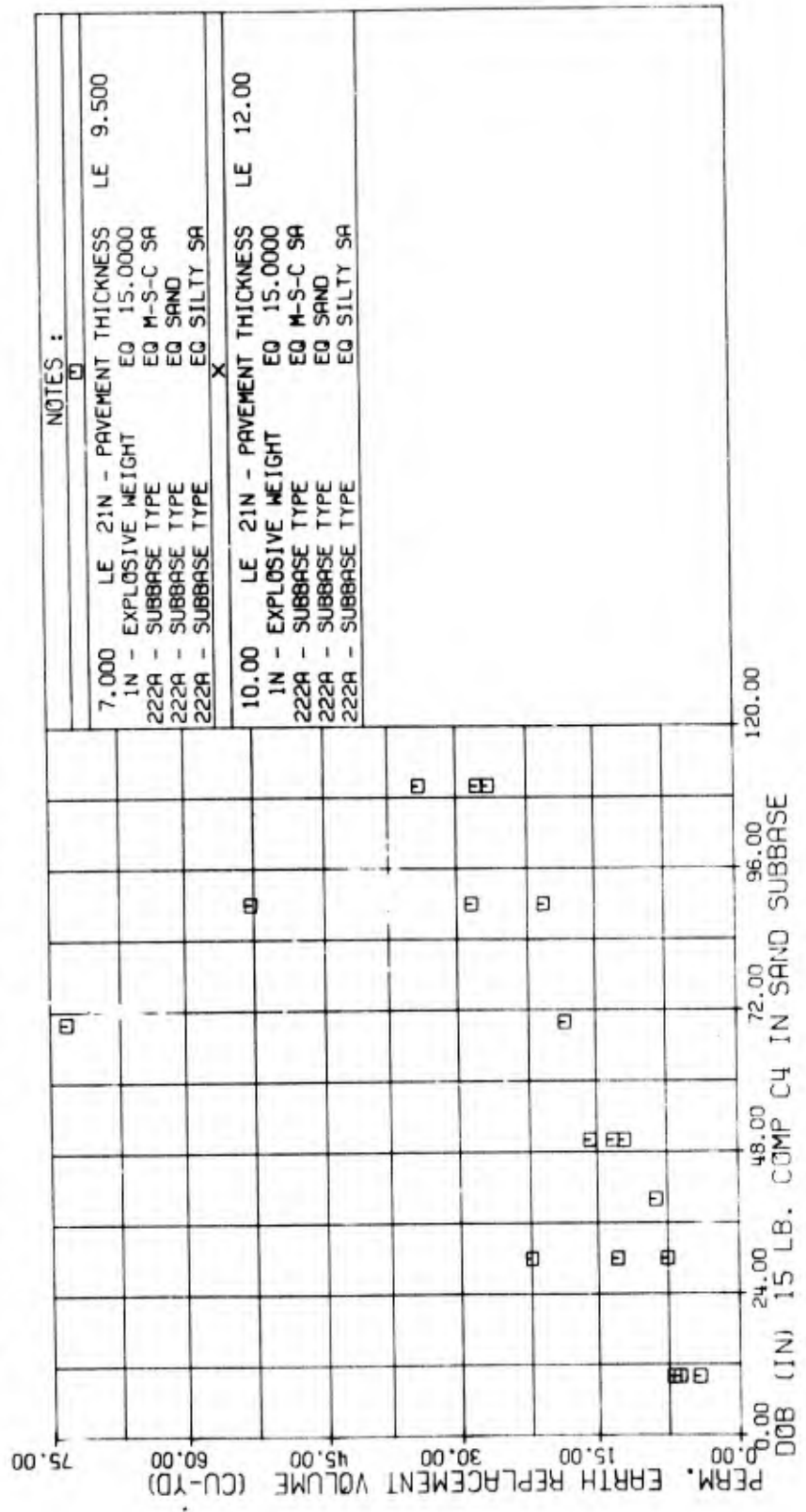


Figure B48. Permanent Earth Replacement Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

PERM. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

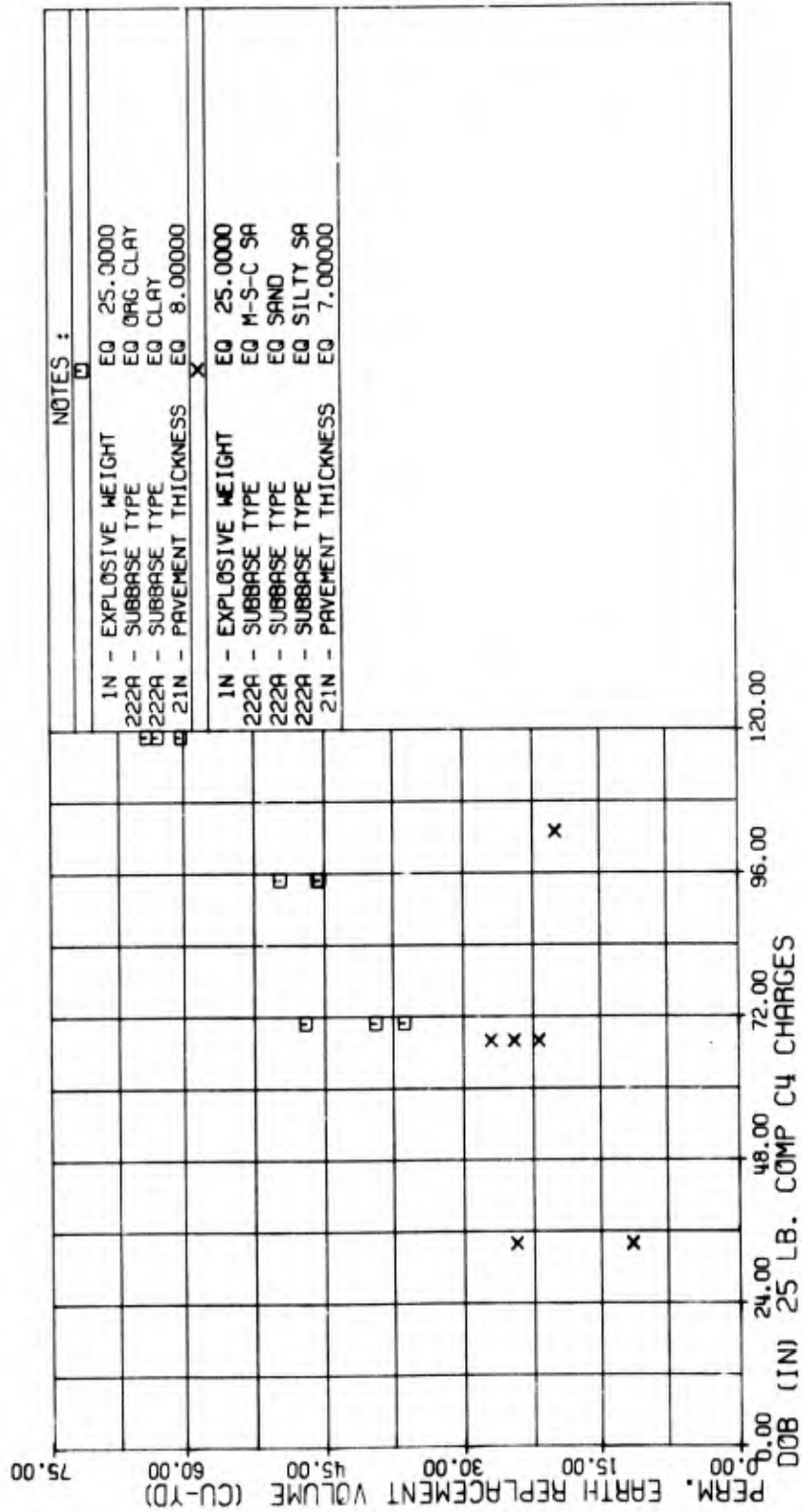
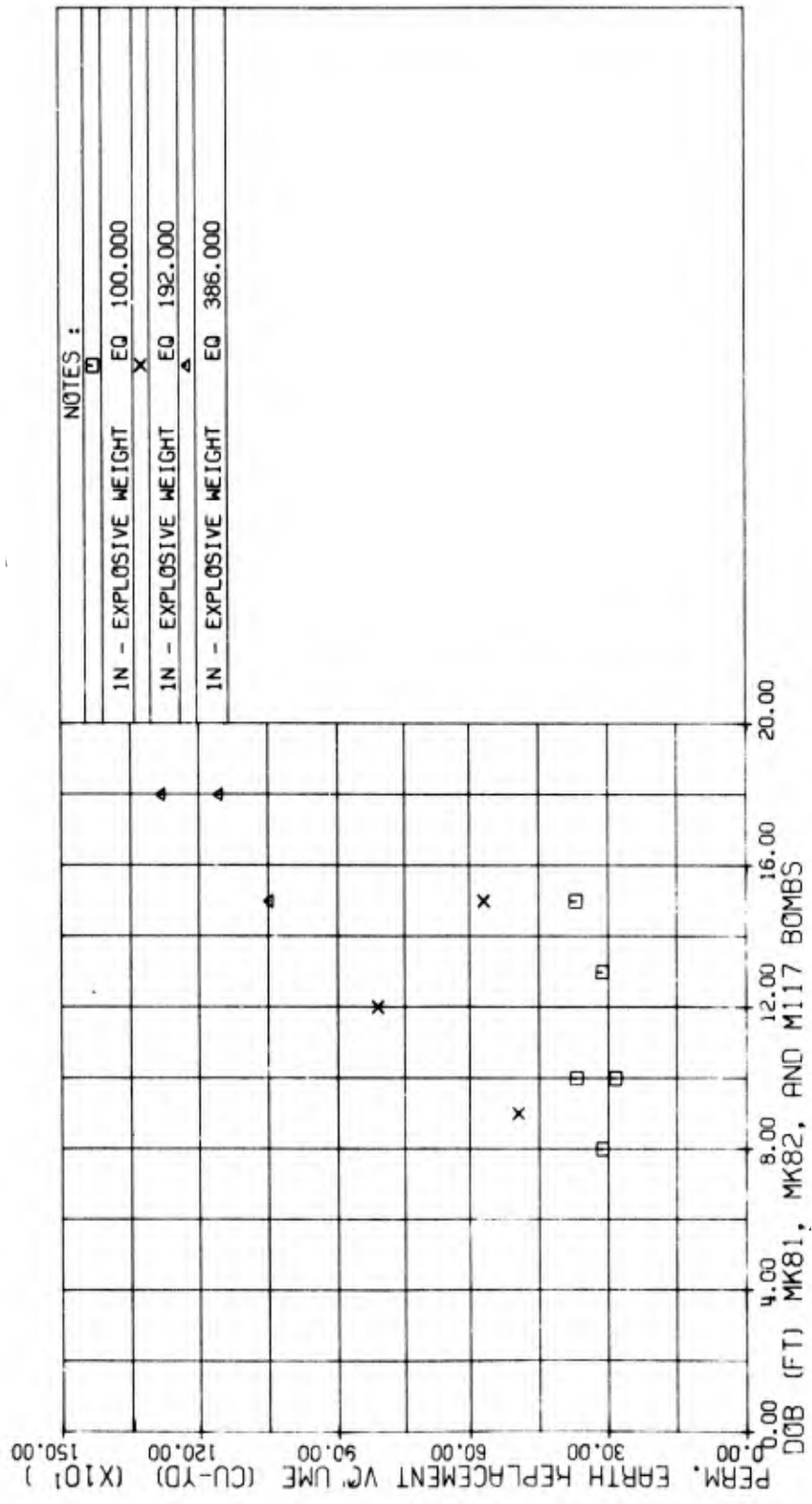


Figure B49. Permanent Earth Replacement Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

PERM. EARTH REPLACEMENT VOLUME (CU-YD) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

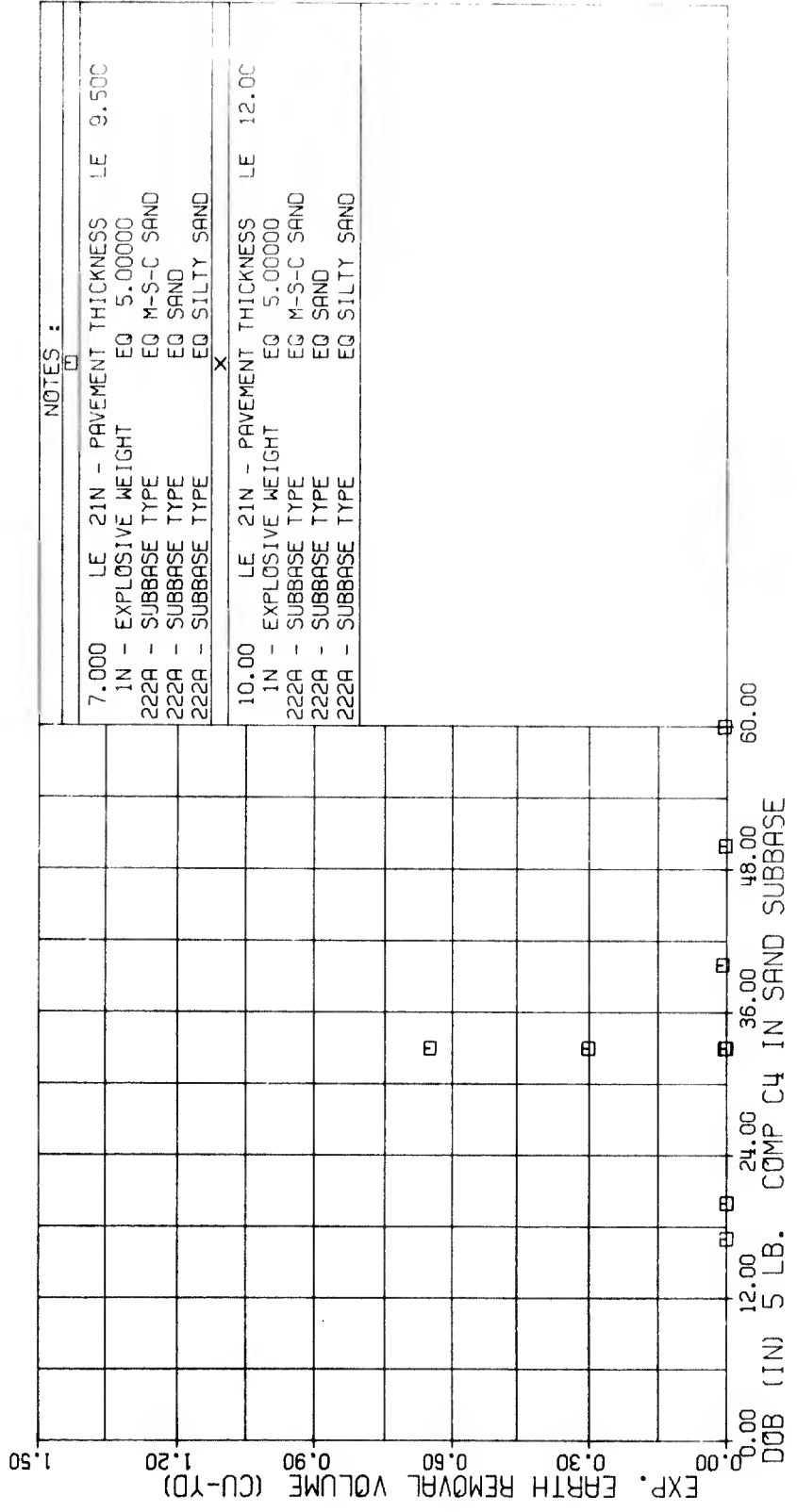


NOTES :

- 100,000
- × 192,000
- △ 386,000

Figure B50. Permanent Earth Replacement Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

EXP. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

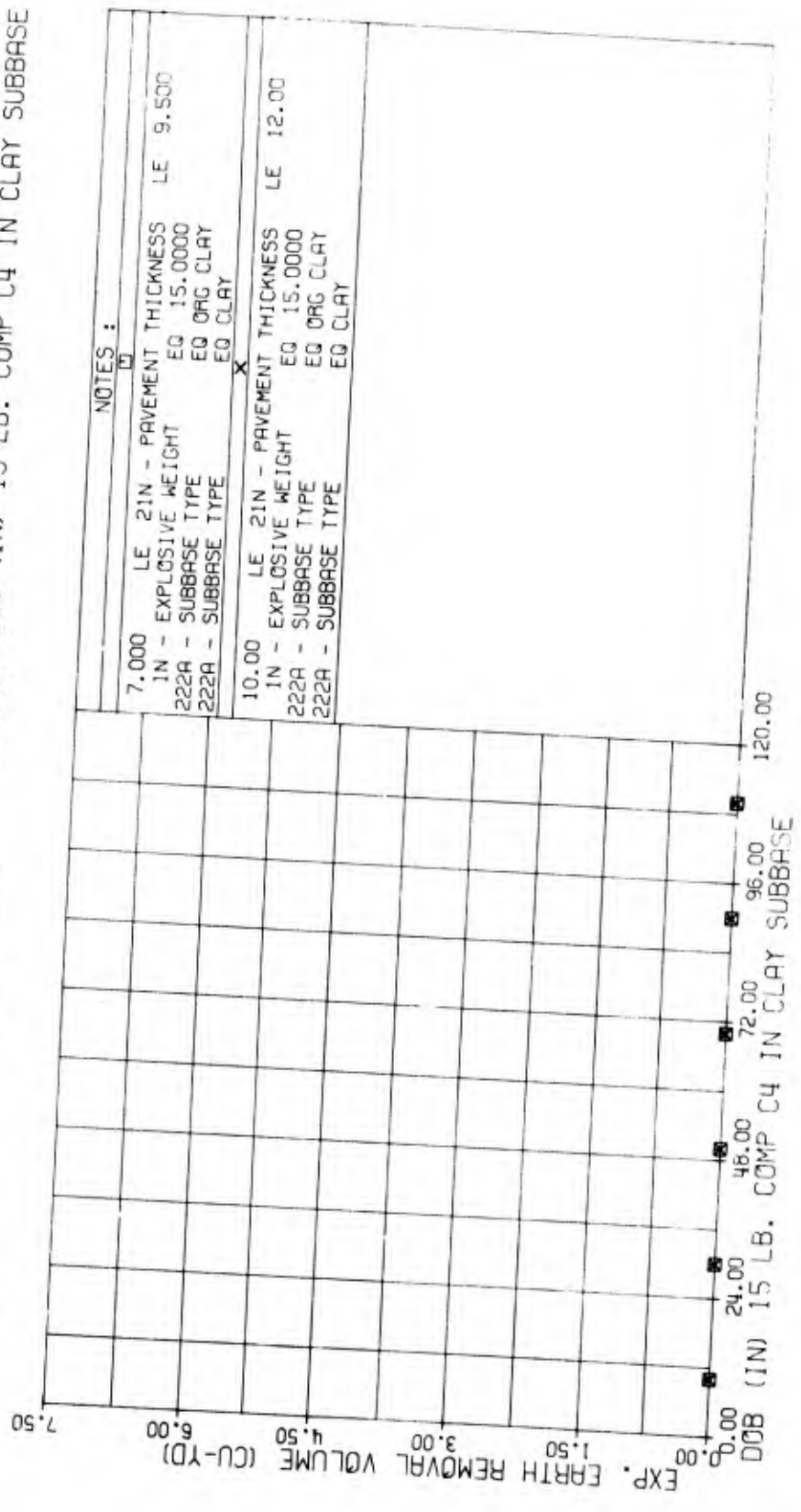


NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.50C
1N	- EXPLOSIVE WEIGHT	EQ 5.00000
222A	- SUBBASE TYPE	EQ M-S-C SAND
222A	- SUBBASE TYPE	EQ SAND
222A	- SUBBASE TYPE	EQ SILTY SAND
X		
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.0C
1N	- EXPLOSIVE WEIGHT	EQ 5.00000
222A	- SUBBASE TYPE	EQ M-S-C SAND
222A	- SUBBASE TYPE	EQ SAND
222A	- SUBBASE TYPE	EQ SILTY SAND

Figure B52. Expedient Earth Removal Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

EXP. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
	IN - EXPLOSIVE WEIGHT	EQ 15.0000
222A	- SUBBASE TYPE	EQ ORG CLAY
222A	- SUBBASE TYPE	EQ CLAY
	X	
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
	IN - EXPLOSIVE WEIGHT	EQ 15.0000
222A	- SUBBASE TYPE	EQ ORG CLAY
222A	- SUBBASE TYPE	EQ CLAY

Figure B53. Expedient Earth Removal Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

EXP. EARTH REMOVAL VOLUME (CU-YD) VERSUS DDB (IN) 15 LB. COMP C4 IN SAND SUBBASE

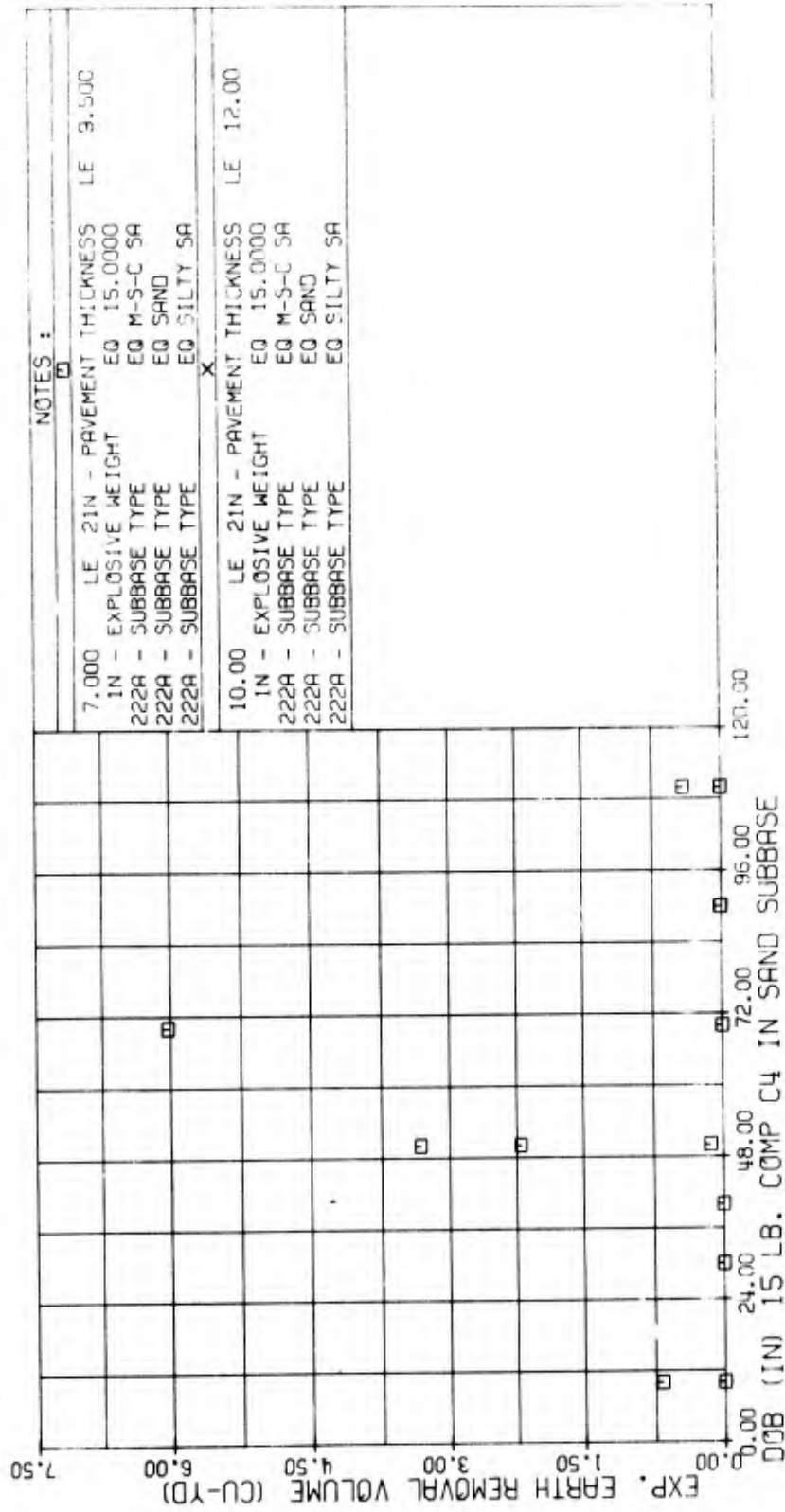


Figure B54. Expedient Earth Removal Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

EXP. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

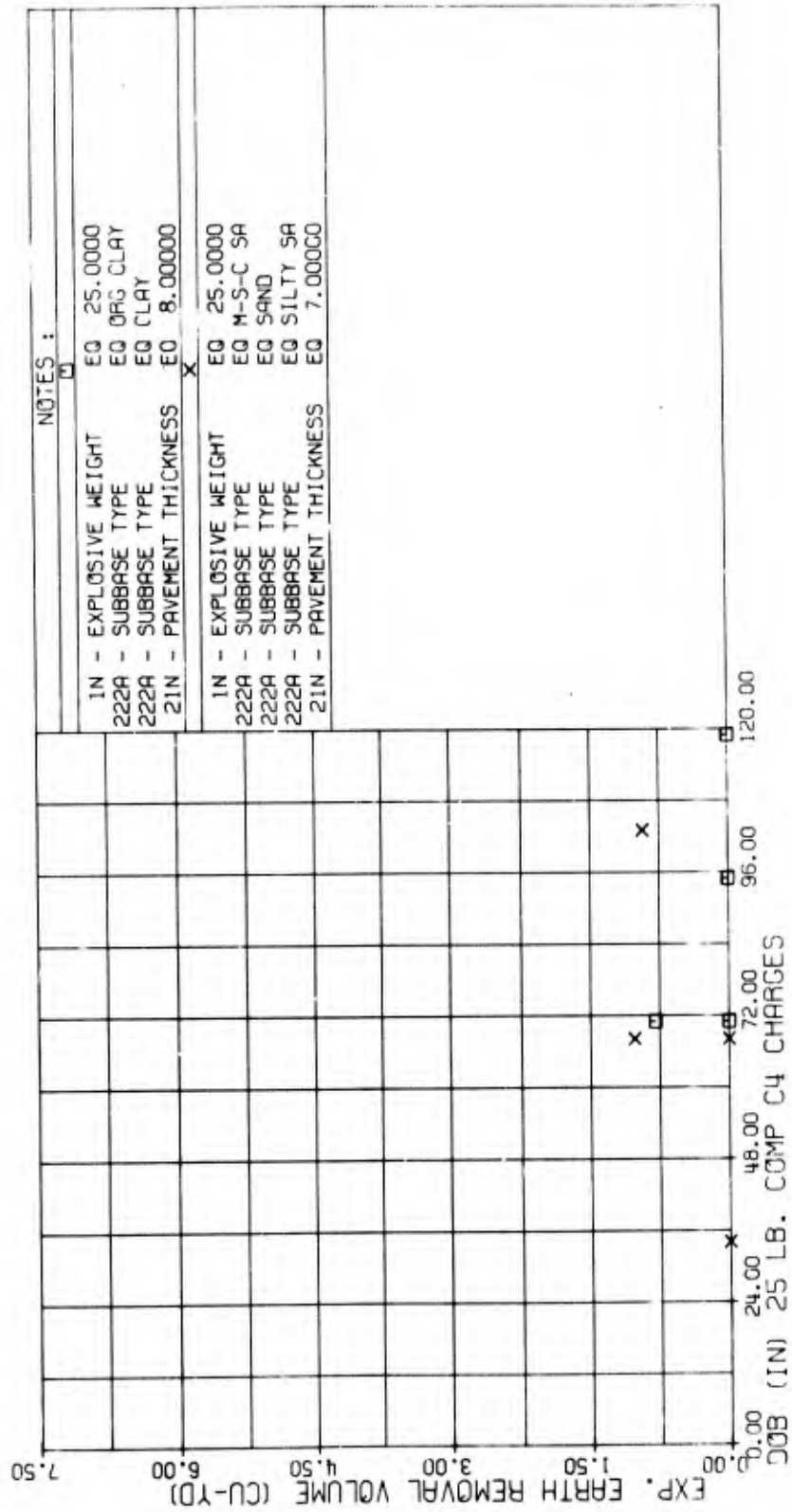


Figure B55. Expedient Earth Removal Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

EXP. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

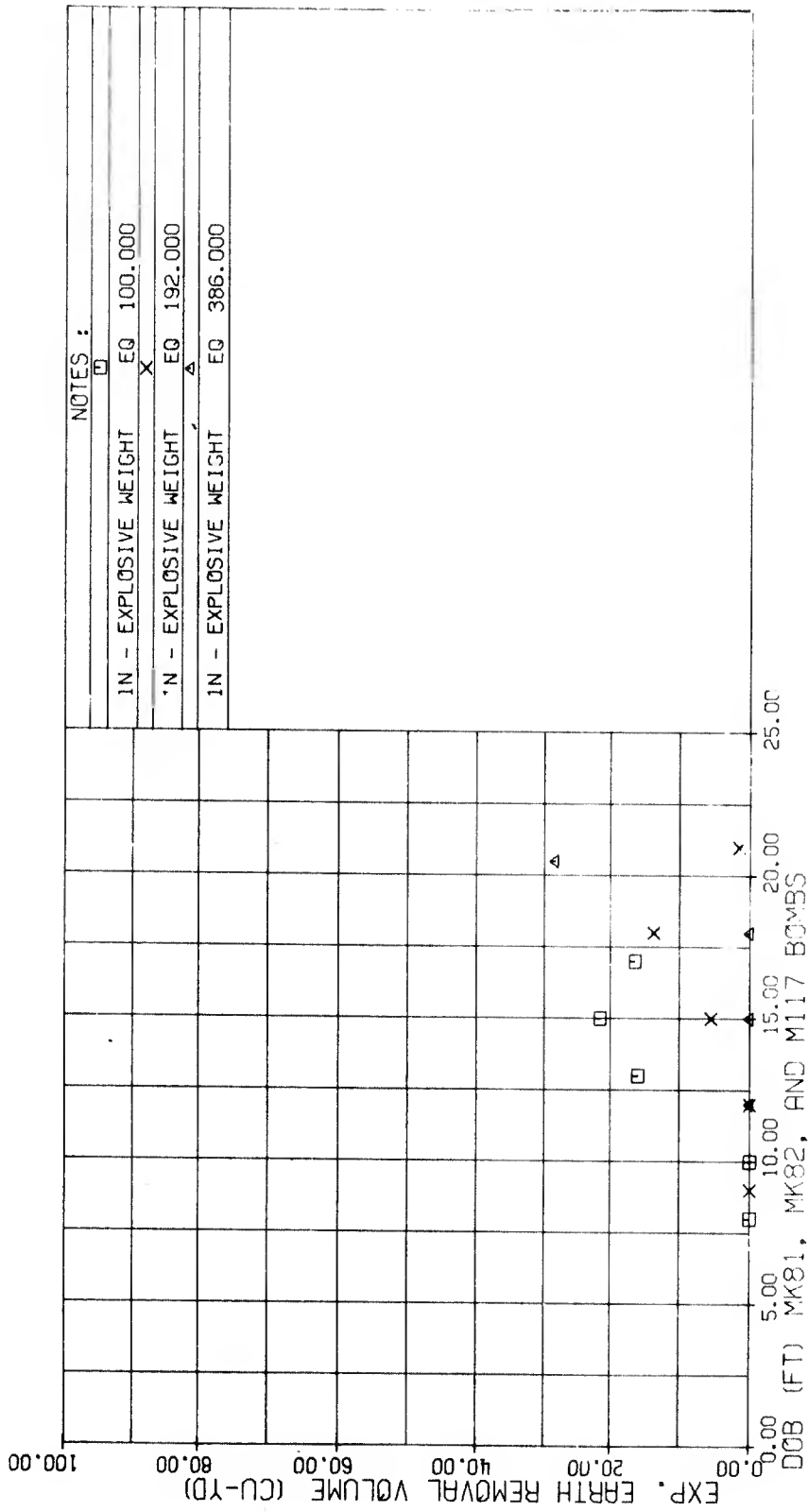


Figure B56. Expedient Earth Removal Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

SEMIPERM. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

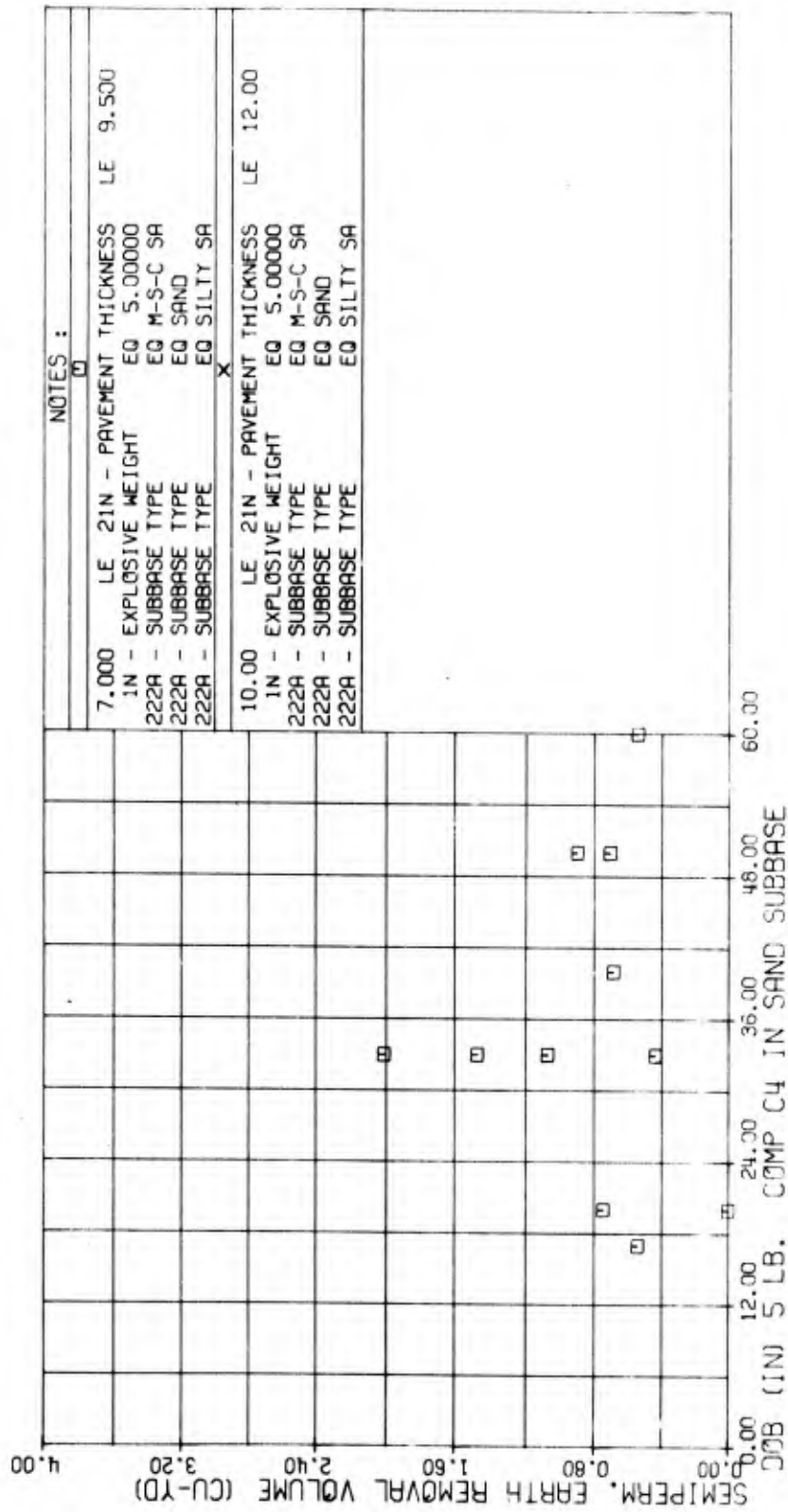


Figure B58. Semipermanent Earth Removal Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

SEMIPERM. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

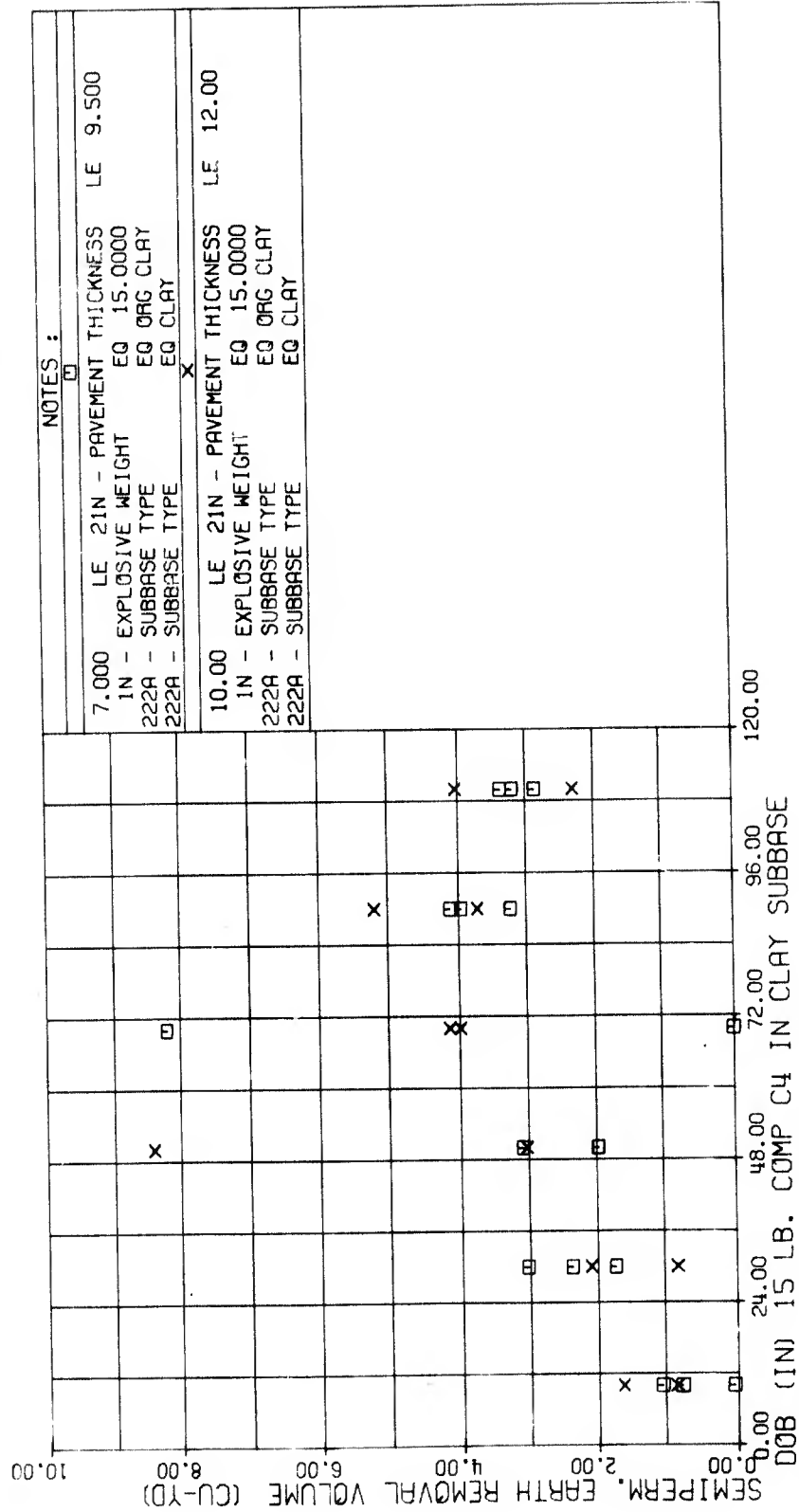


Figure B59. Semipermanent Earth Removal Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

SEMIPERM. EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

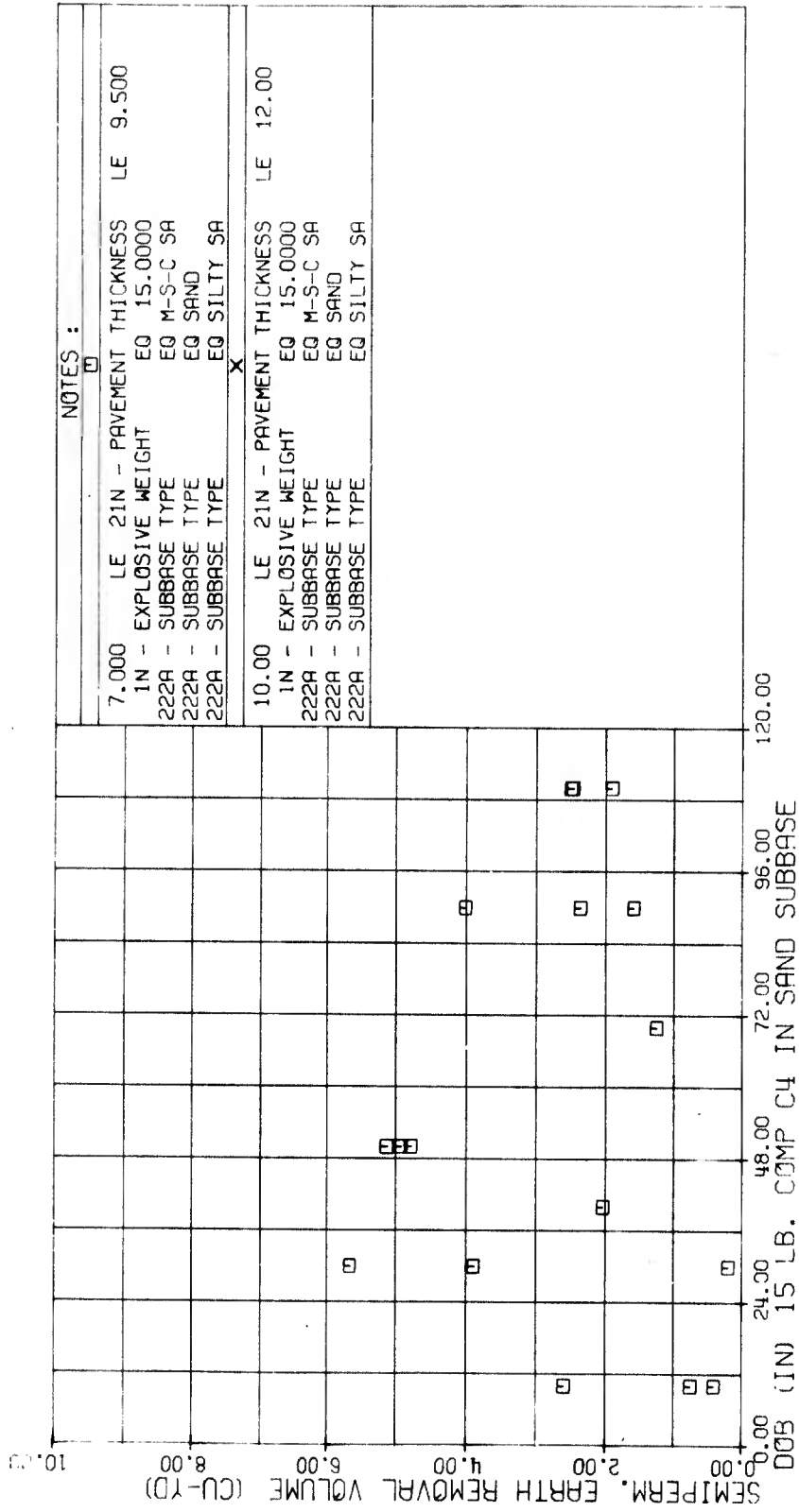


Figure B60. Semipermanent Earth Removal Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

SEMI-Perm. Earth Removal Volume (CU-YD) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

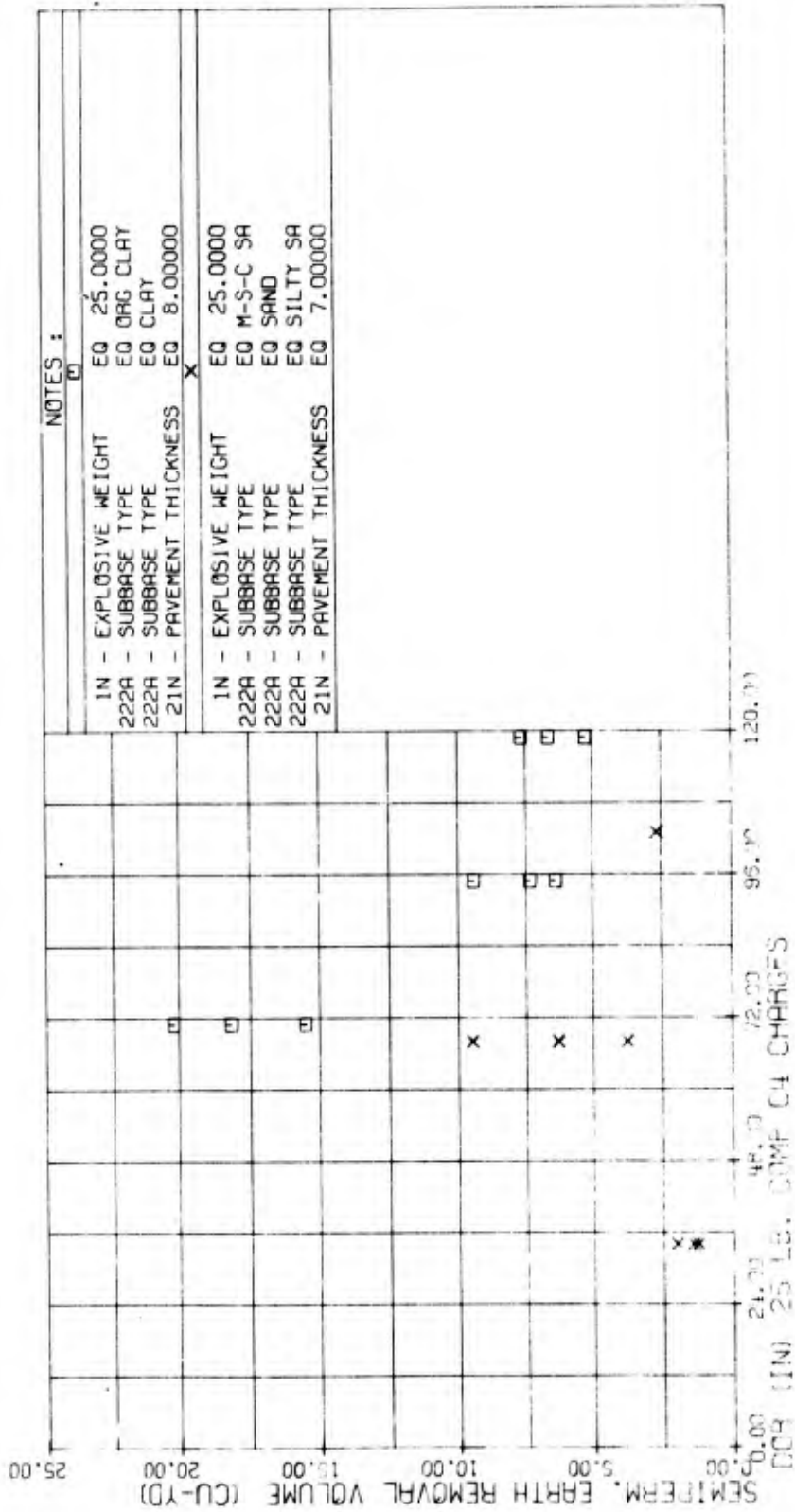


Figure B61. Semi-Permanent Earth Removal Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

SEMIPERM. EARTH REMOVAL VOLUME (CU-Y4) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

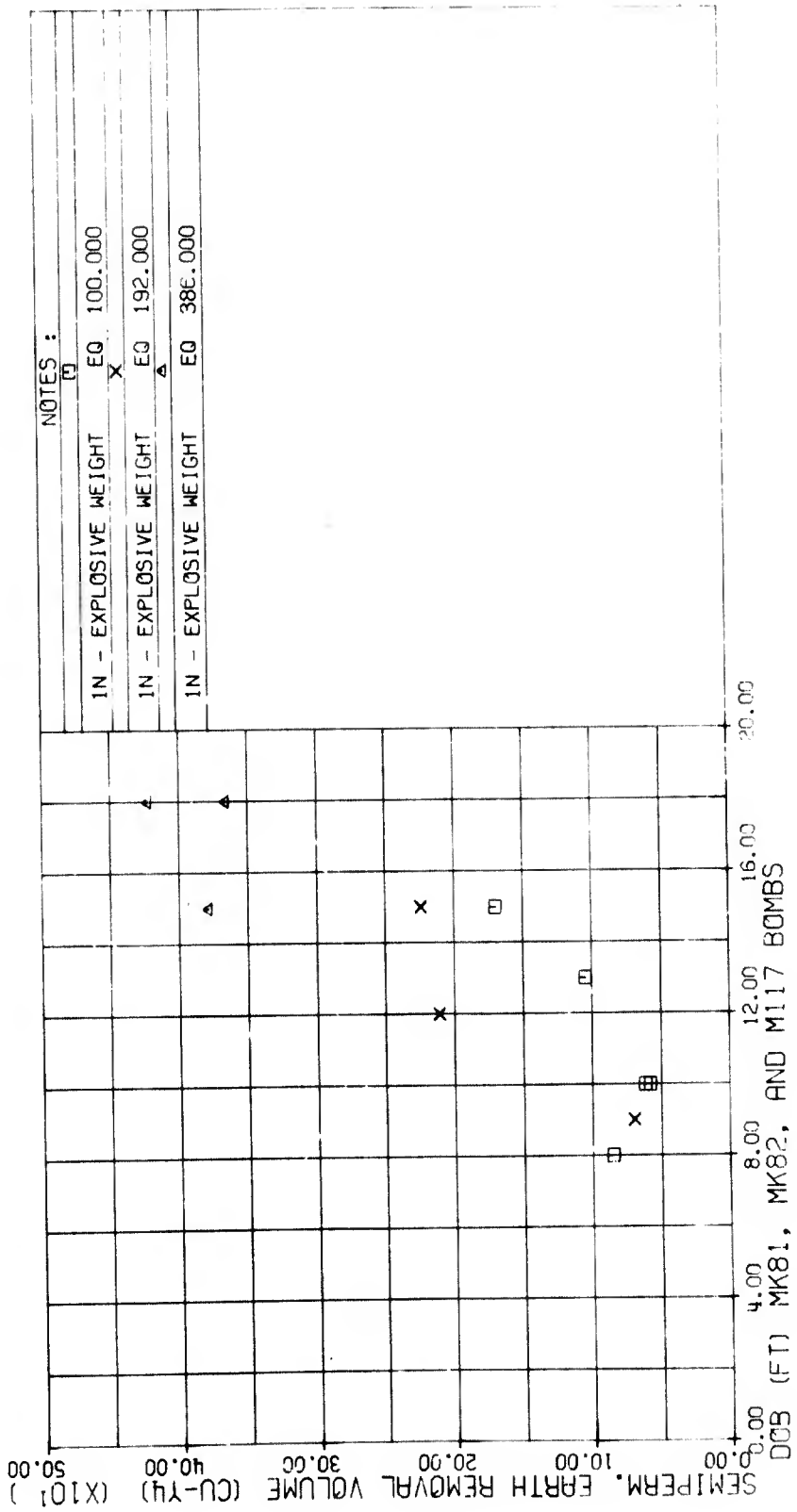


Figure B62. Semipermanent Earth Removal Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

PERMANENT EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

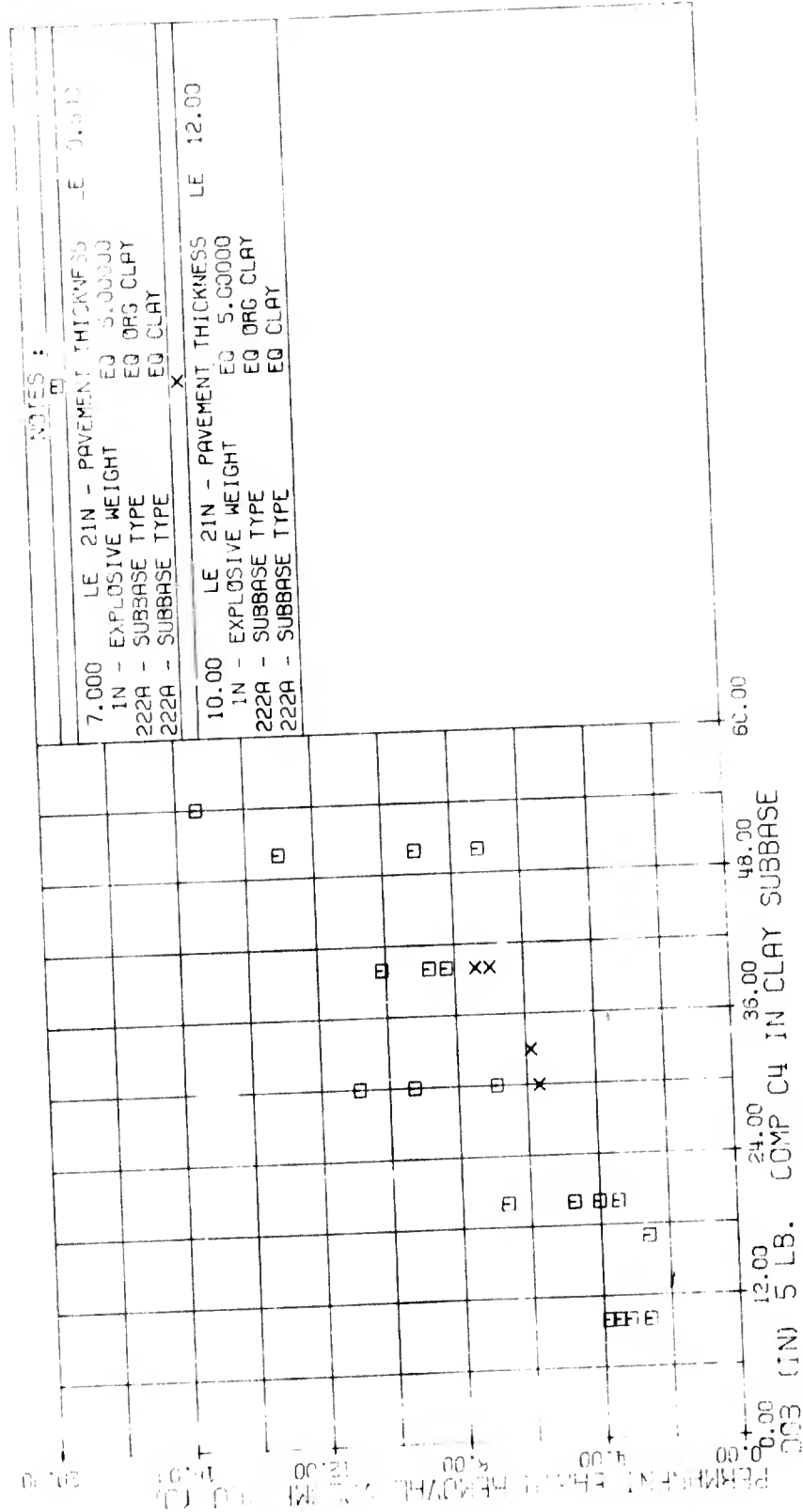
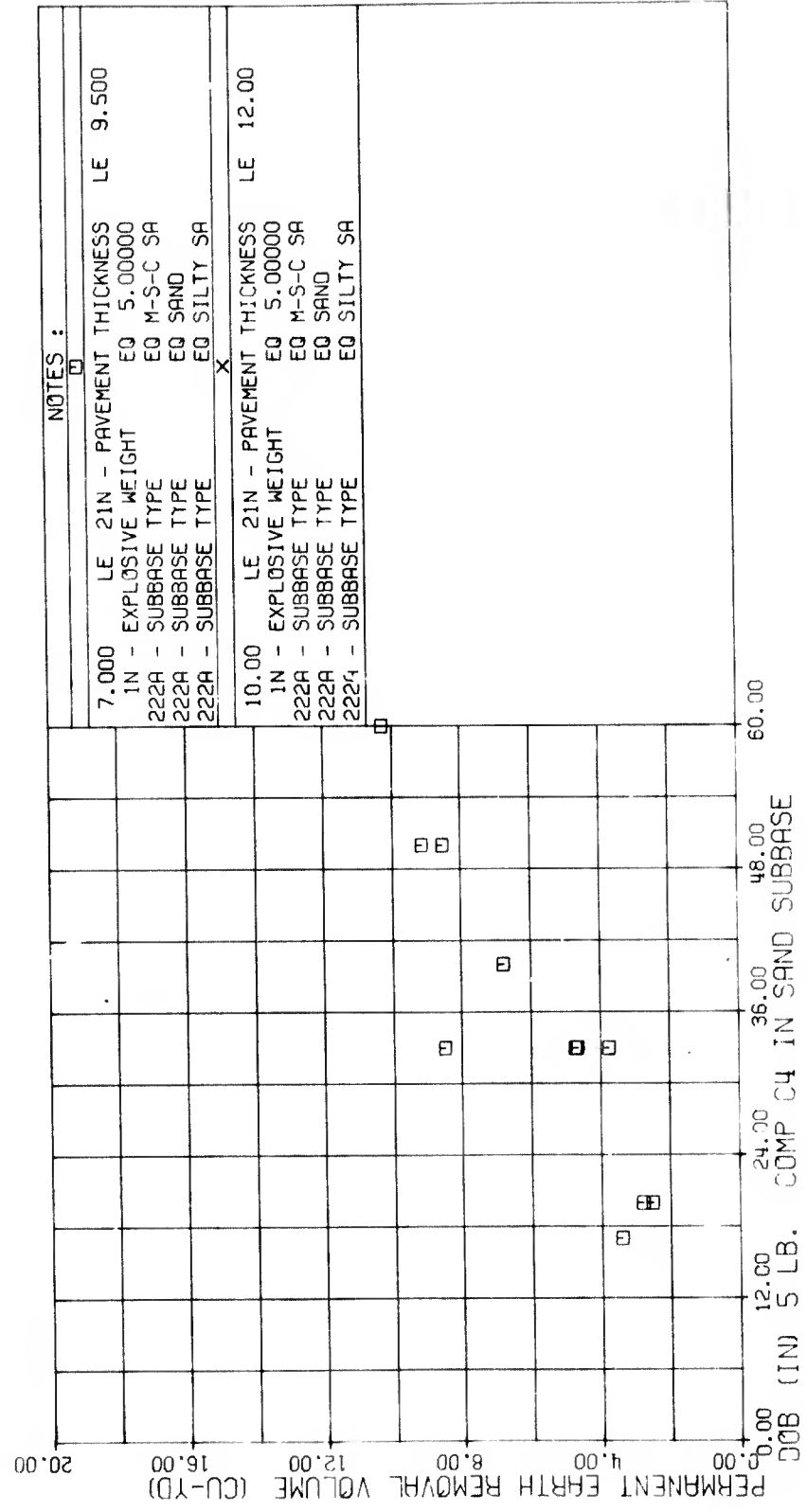


Figure B63. Permanent Earth Removal Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

PERMANENT EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE



NOTES :

7.000	LE 21N - PAVEMENT THICKNESS	LE 9.500
1N -	EXPLOSIVE WEIGHT	EQ 5.00000
222A -	SUBBASE TYPE	EQ M-S-C SA
222A -	SUBBASE TYPE	EQ SAND
222A -	SUBBASE TYPE	EQ SILTY SA
		X
10.00	LE 21N - PAVEMENT THICKNESS	LE 12.00
1N -	EXPLOSIVE WEIGHT	EQ 5.00000
222A -	SUBBASE TYPE	EQ M-S-C SA
222A -	SUBBASE TYPE	EQ SAND
222A -	SUBBASE TYPE	EQ SILTY SA

Figure B64. Permanent Earth Removal Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

PERMANENT EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

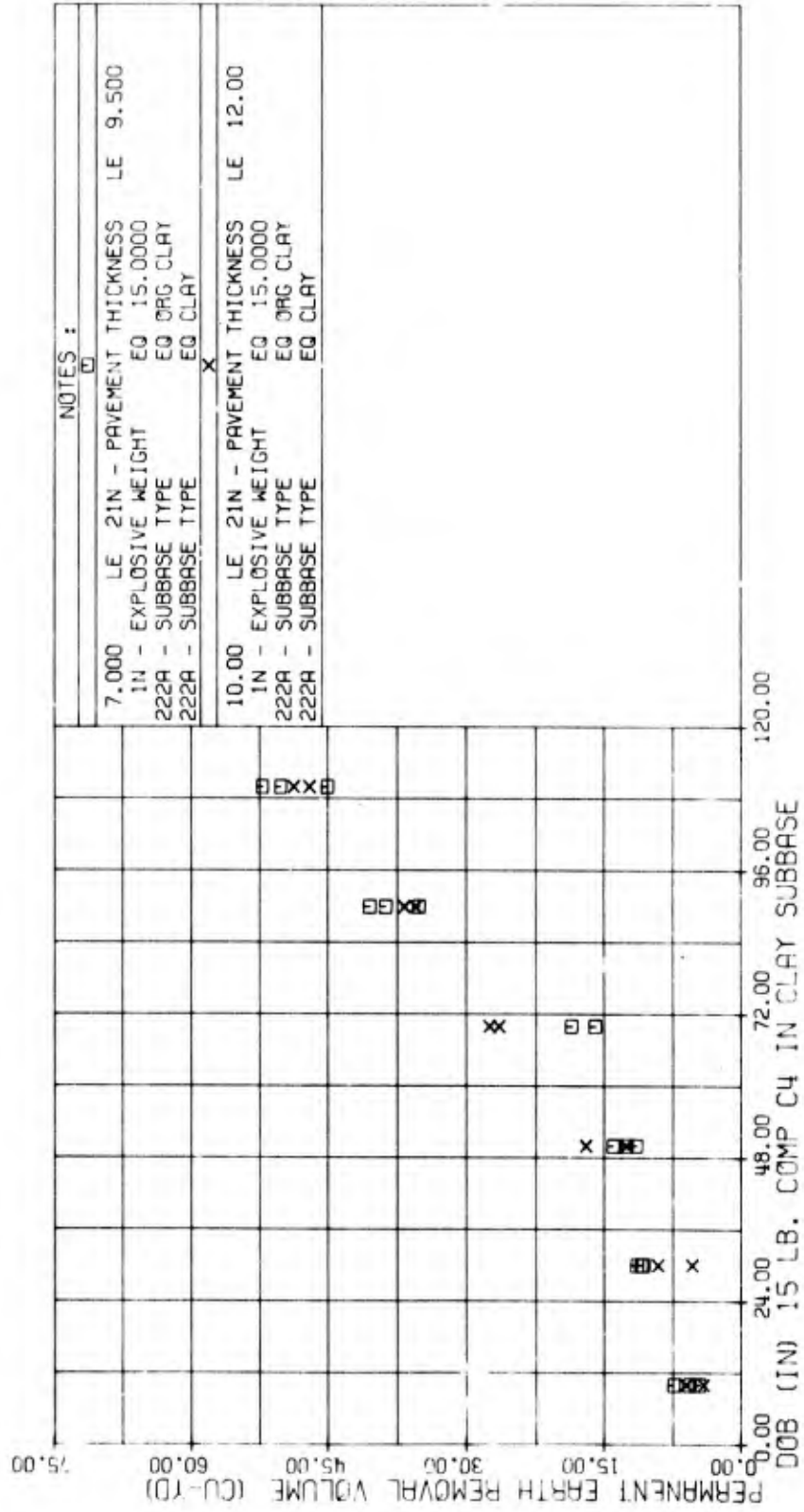


Figure B65. Permanent Earth Removal Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

PERMANENT EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

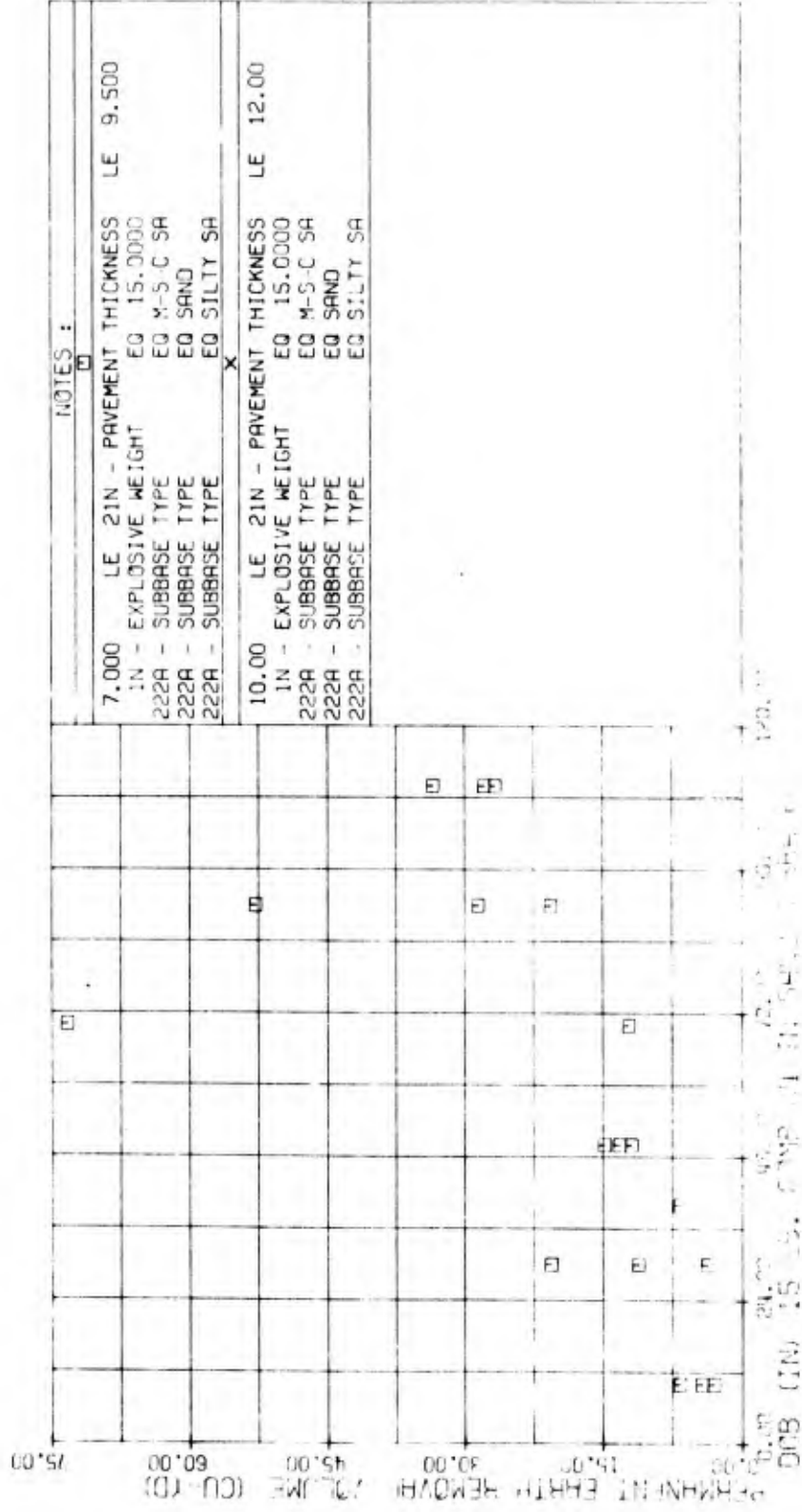


Figure B66. Permanent Earth Removal Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

PERMANENT EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

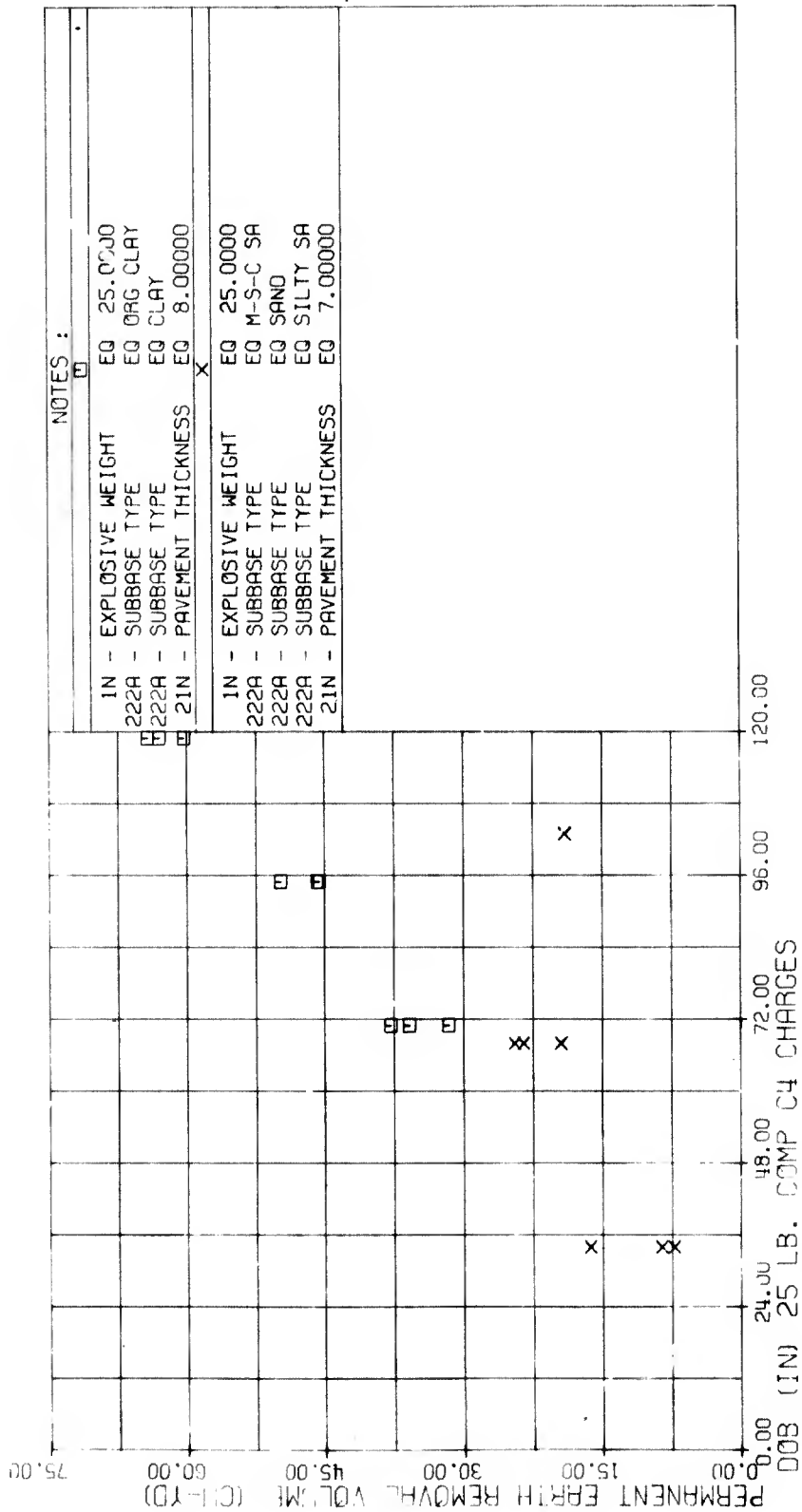


Figure B67. Permanent Earth Removal Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

PERMANENT EARTH REMOVAL VOLUME (CU-YD) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

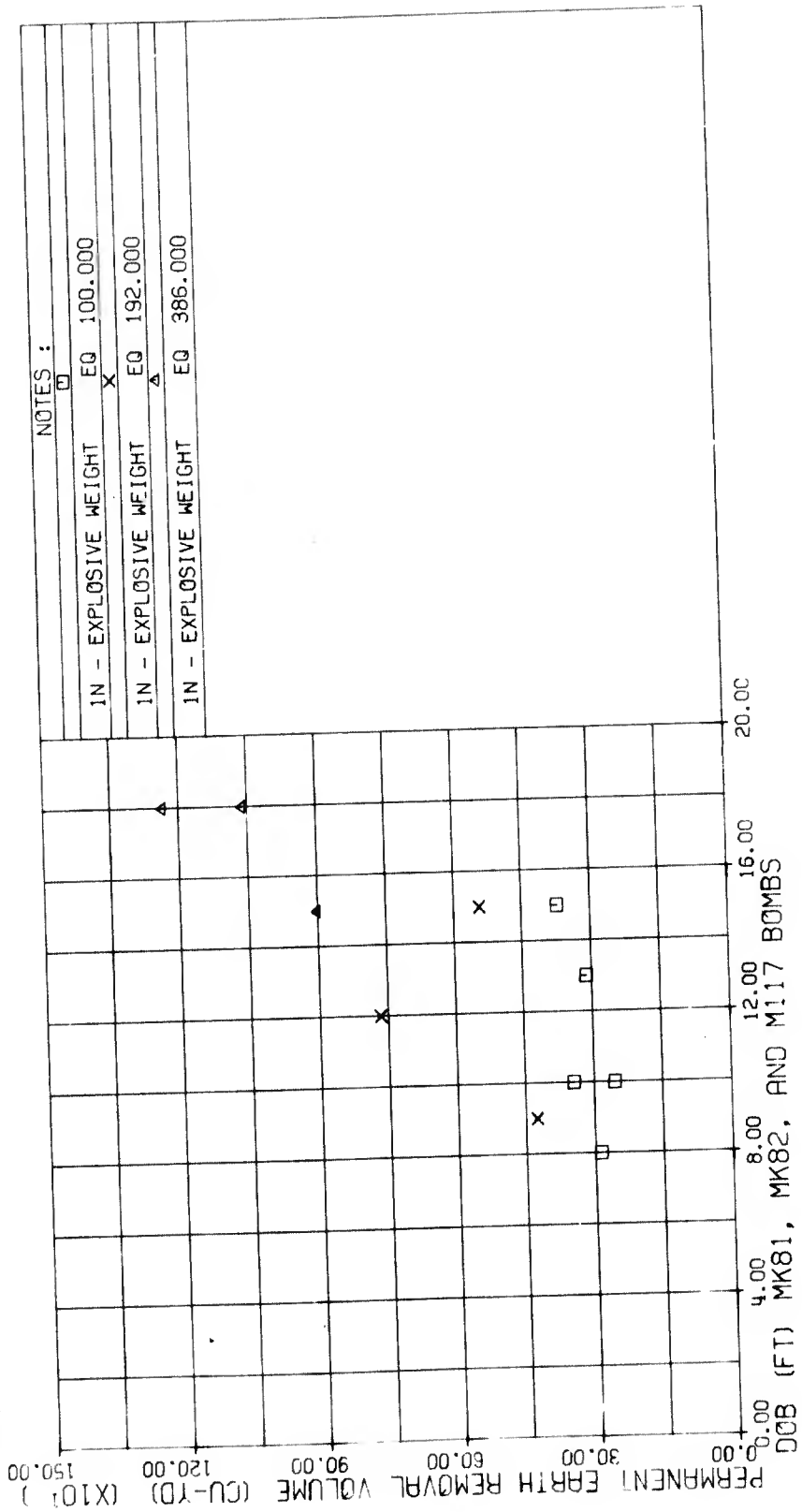


Figure B68. Permanent Earth Removal Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

EJECTA VOLUME (CUBIC YARDS) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

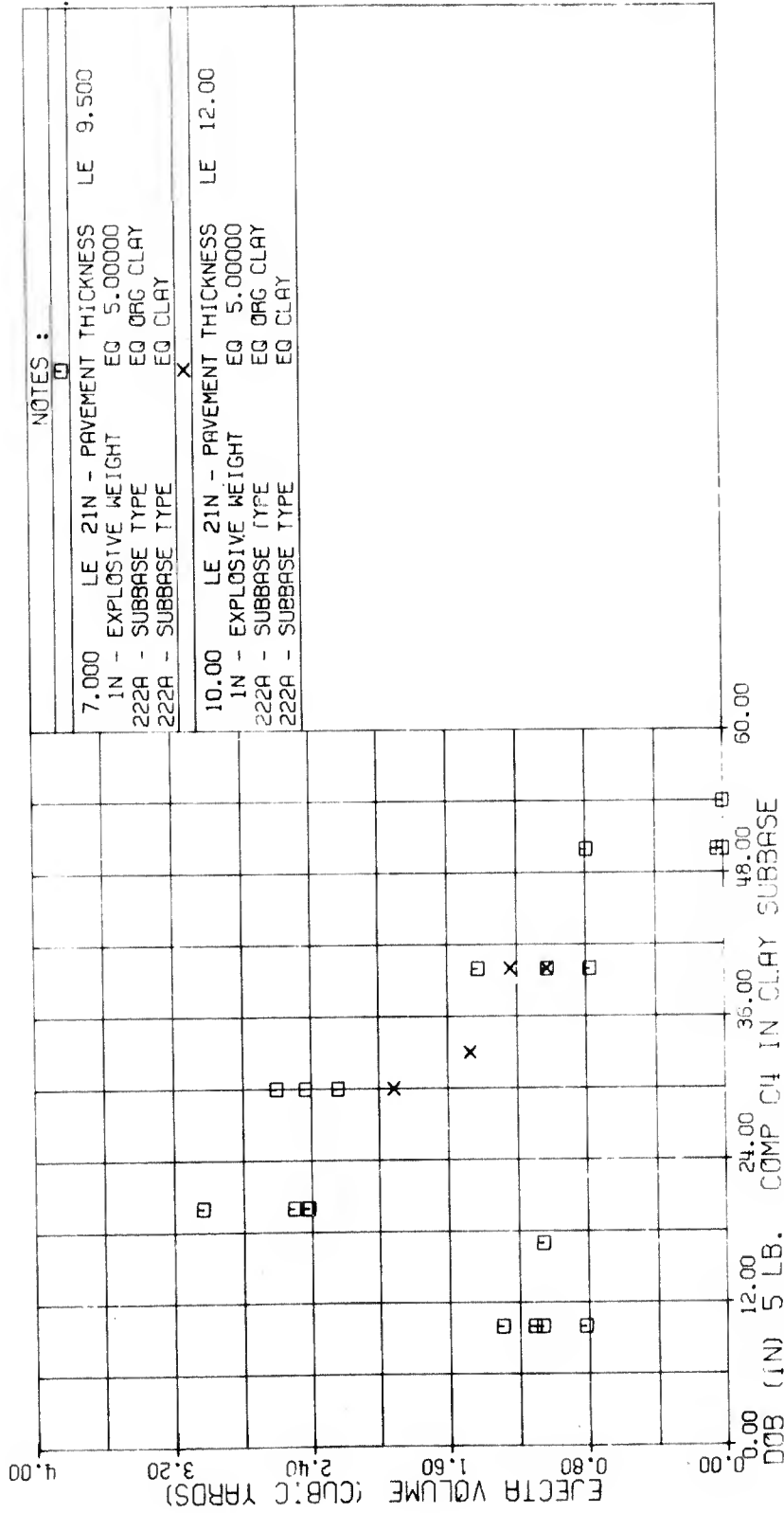


Figure B69. Ejecta Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

EJECTA VOLUME (CUBIC YARDS) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

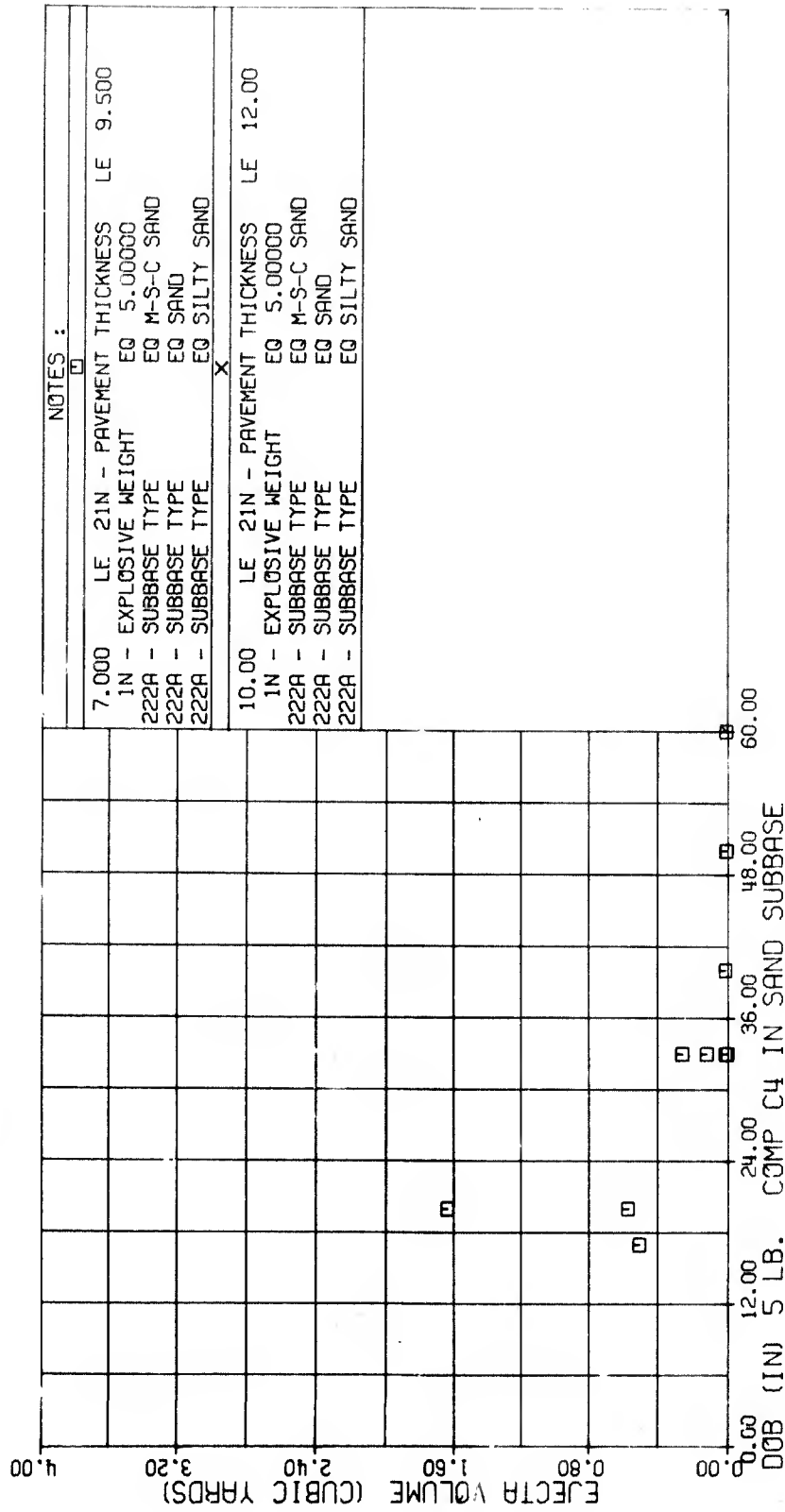


Figure B70. Ejecta Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

EJECTA VOLUME (CUBIC YARDS) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

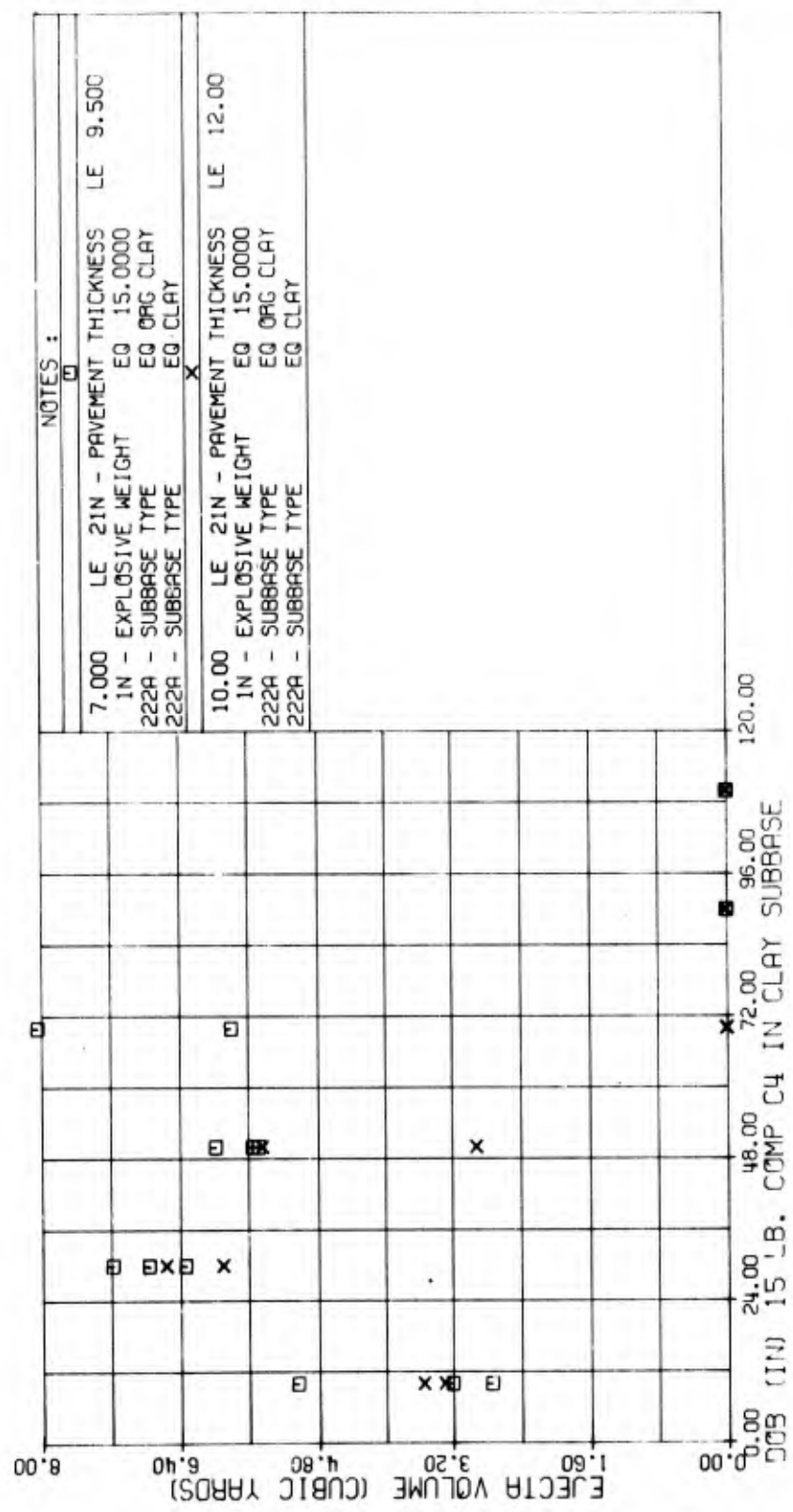


Figure B71. Ejecta Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

EJECTA VOLUME (CUBIC YARDS) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

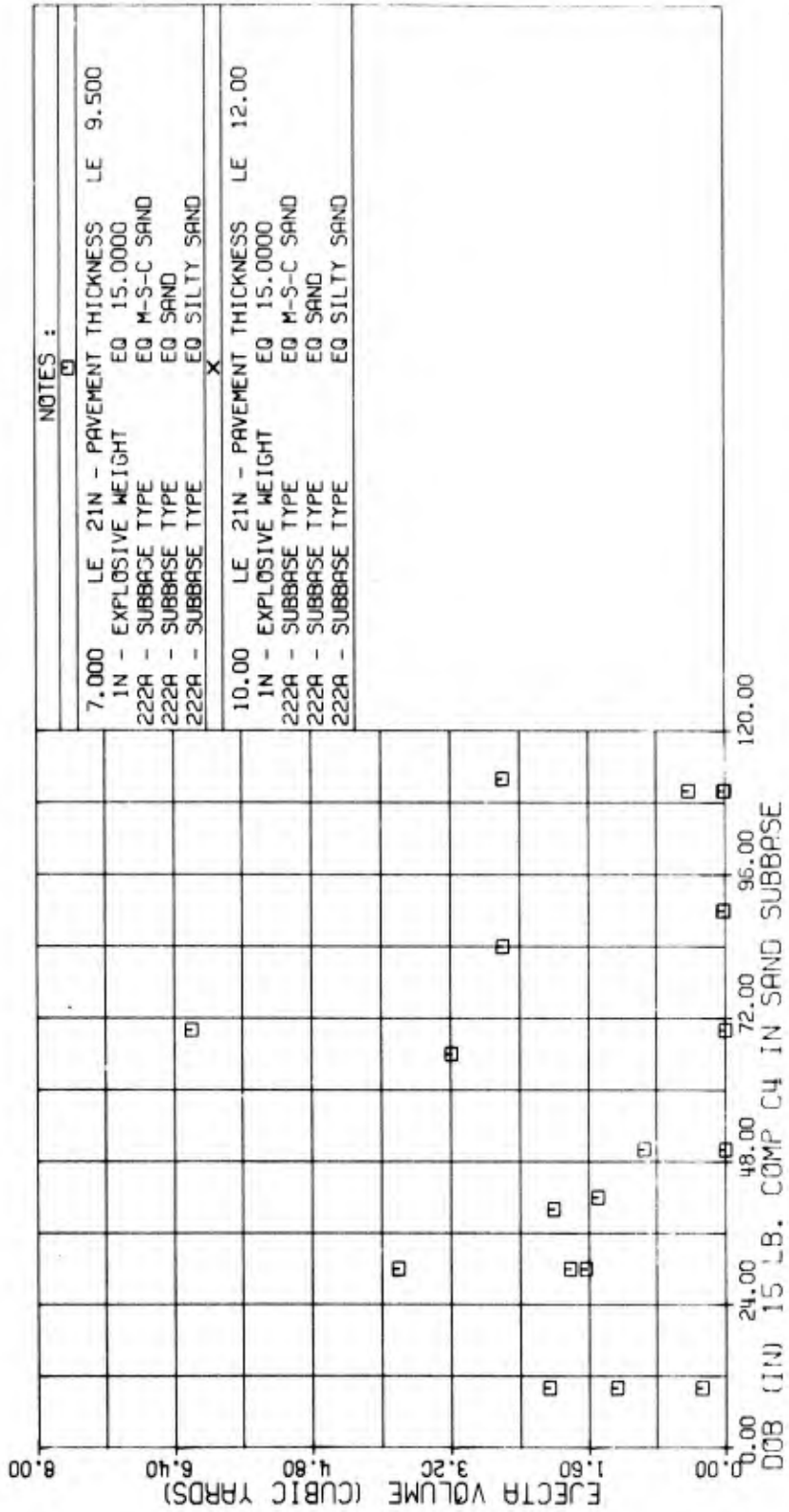


Figure B72. Ejecta Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

EJECTA VOLUME (CUBIC YARDS) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

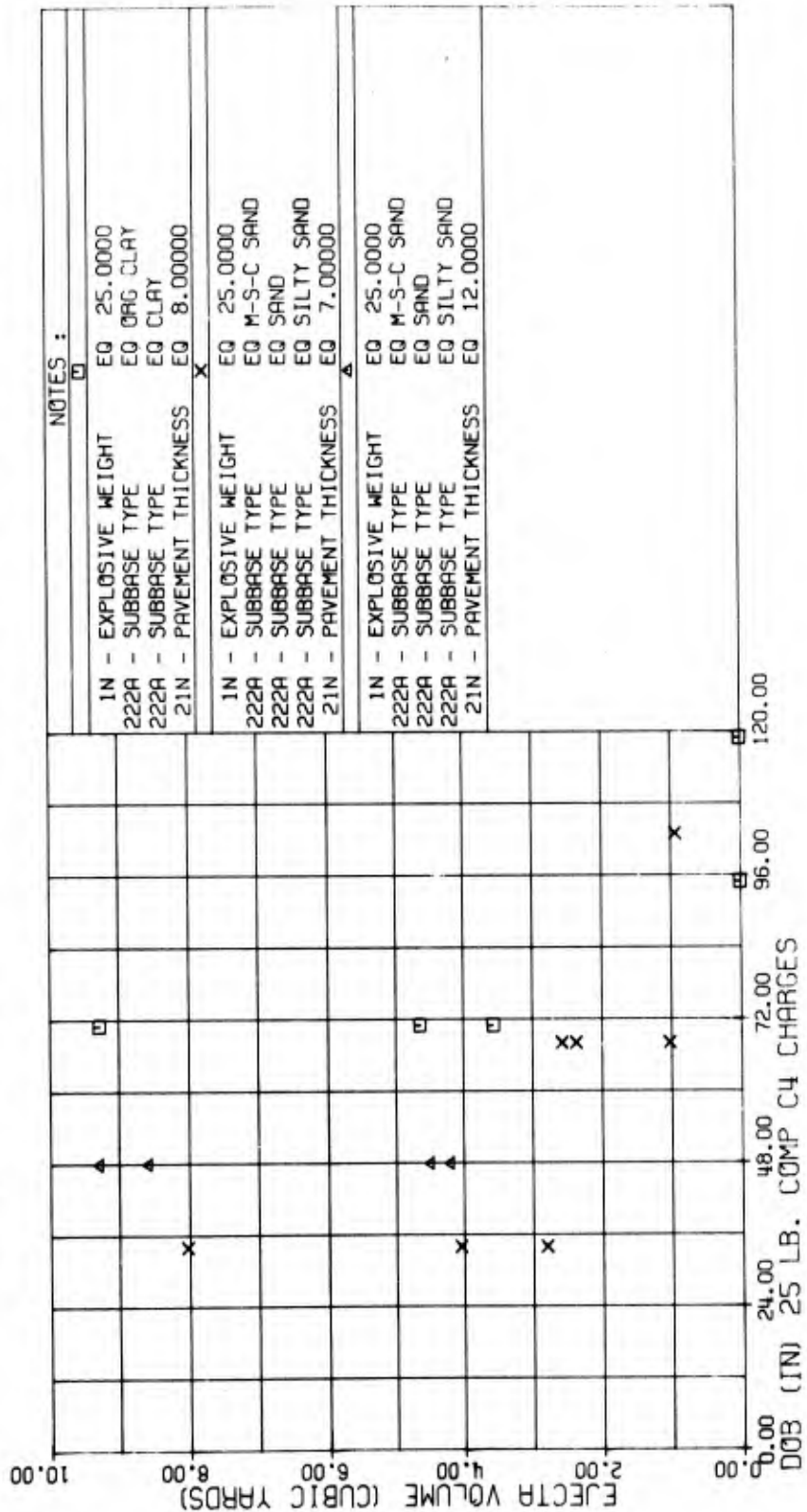


Figure B73. Ejecta Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

EJECTA VOLUME (CUBIC YARDS) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

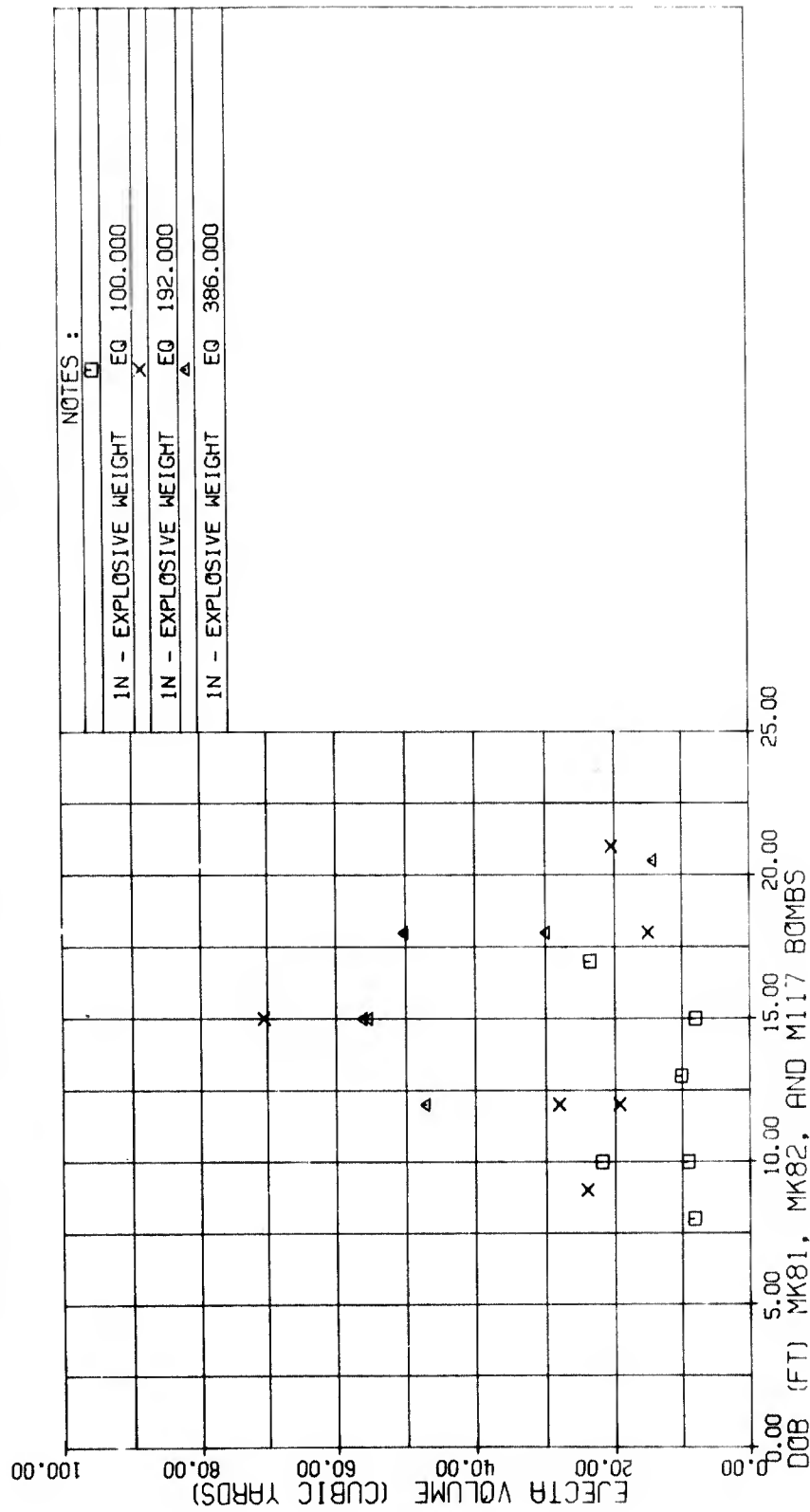
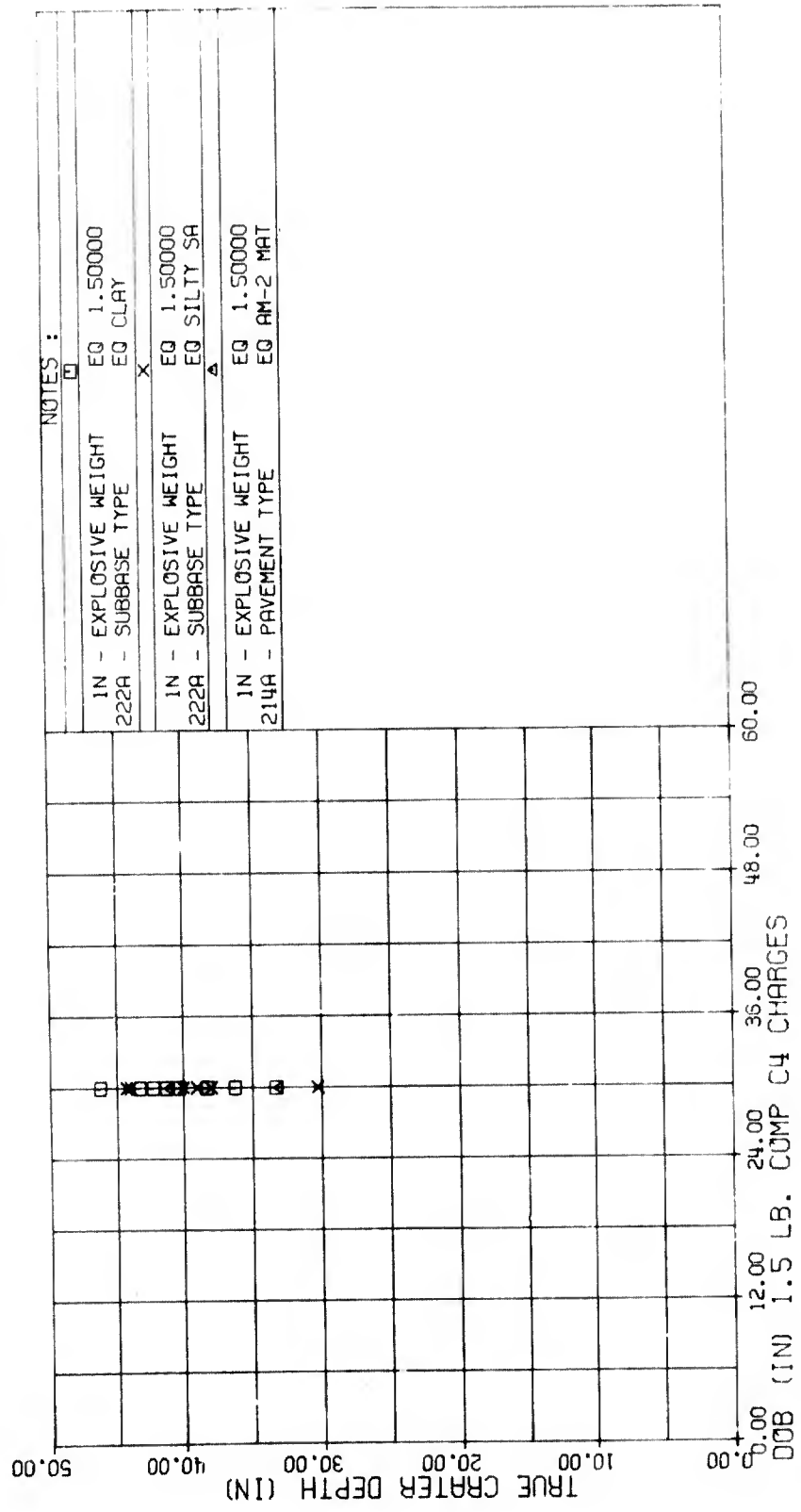


Figure B74. Ejecta Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

TRUE CRATER DEPTH (IN) VERSUS DOB (IN) 1.5 LB. COMP C4 CHARGES



NOTES :

IN - EXPLOSIVE WEIGHT	EQ 1.50000
222A - SUBBASE TYPE	EQ CLAY
	X
IN - EXPLOSIVE WEIGHT	EQ 1.50000
222A - SUBBASE TYPE	EQ SILTY SA
	Δ
IN - EXPLOSIVE WEIGHT	EQ 1.50000
214A - PAVEMENT TYPE	EQ AM-2 MAT

Figure B75. True Crater Depth Versus Depth of Burst for Charges Less Than 5 Pounds

VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

TRUE CRATER DEPTH (IN)

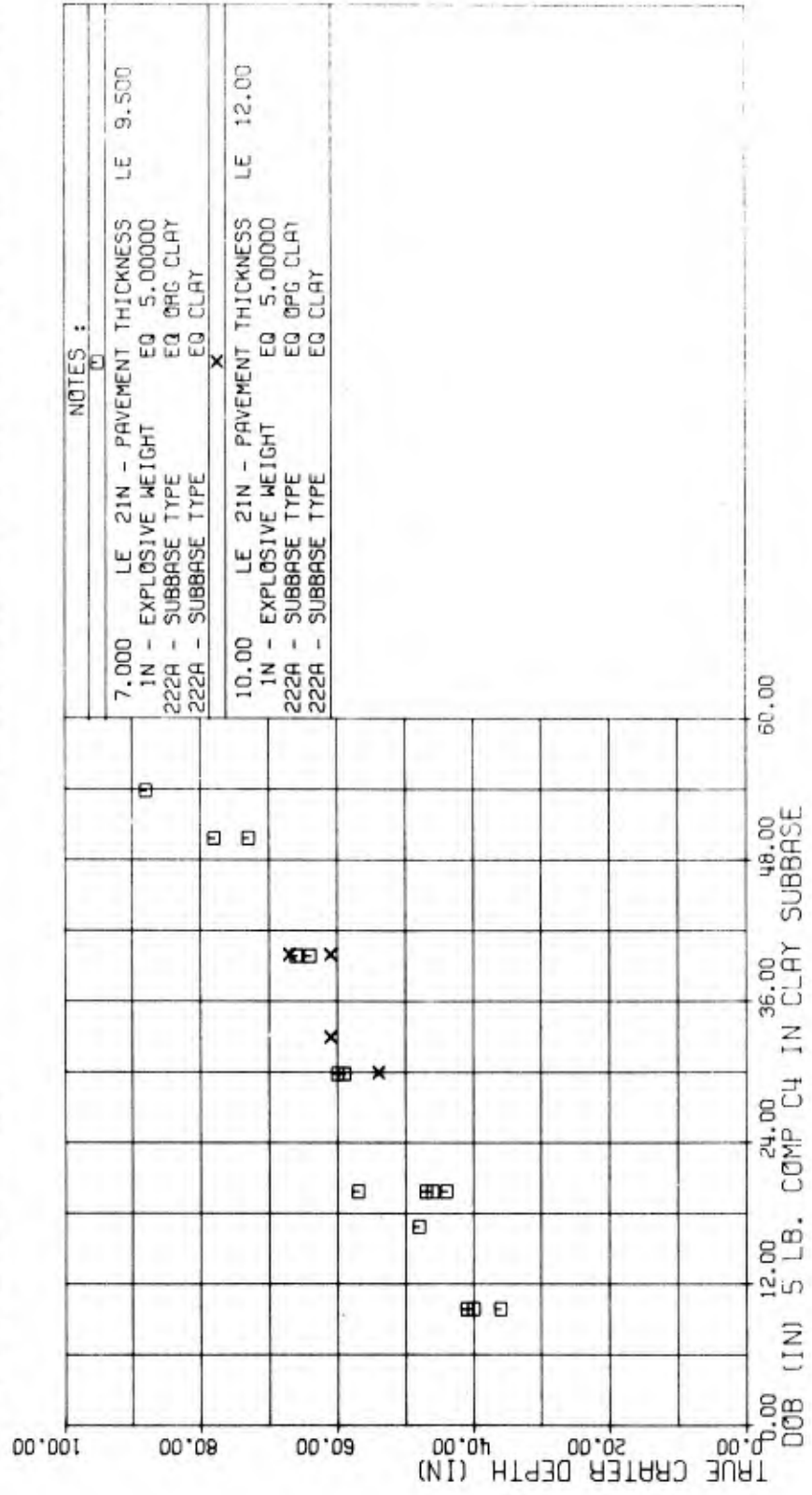


Figure B76. True Crater Depth Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

TRUE CRATER DEPTH (IN)

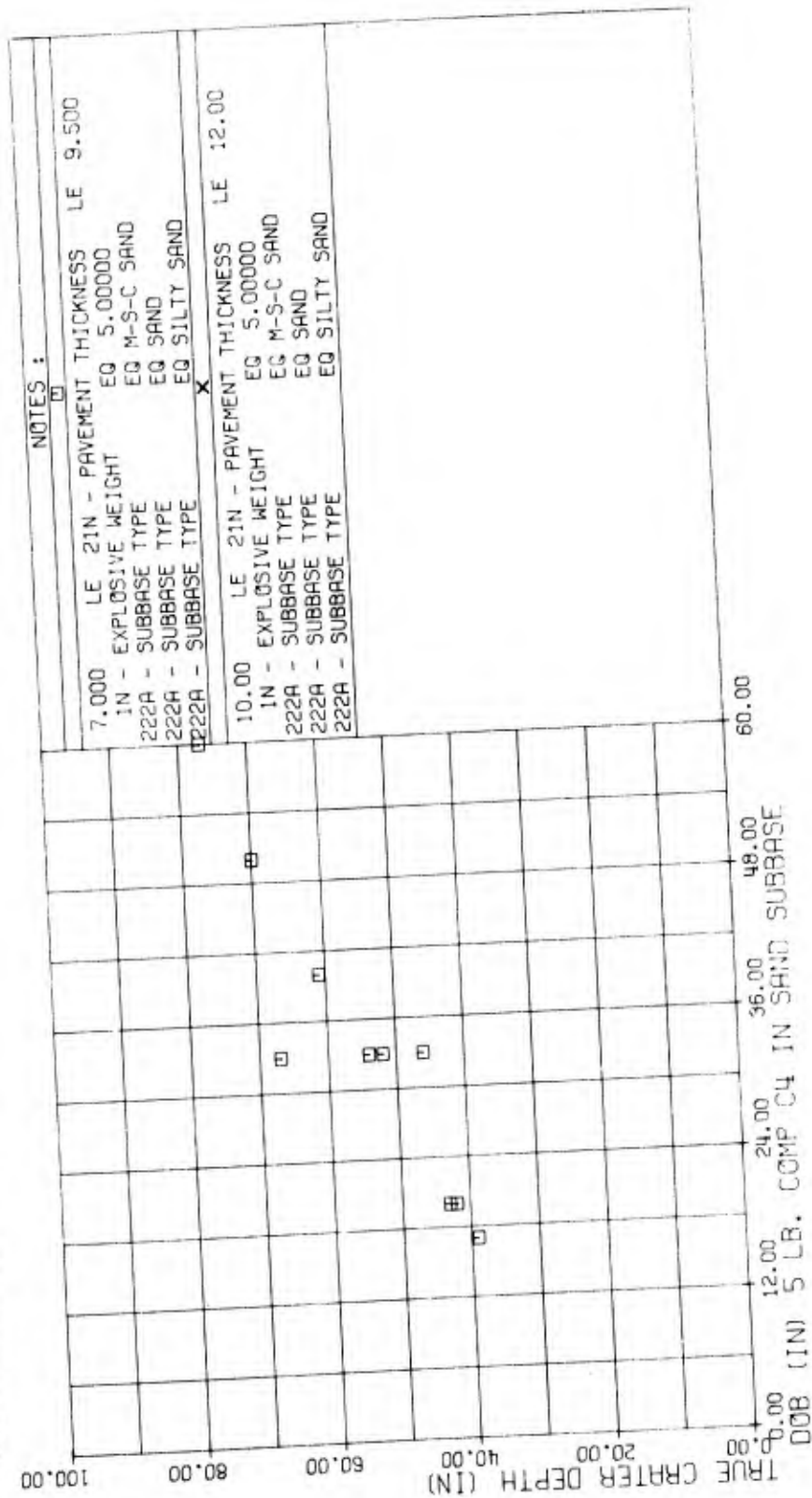


Figure B77. True Crater Depth Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

TRUE CRATER DEPTH (IN) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

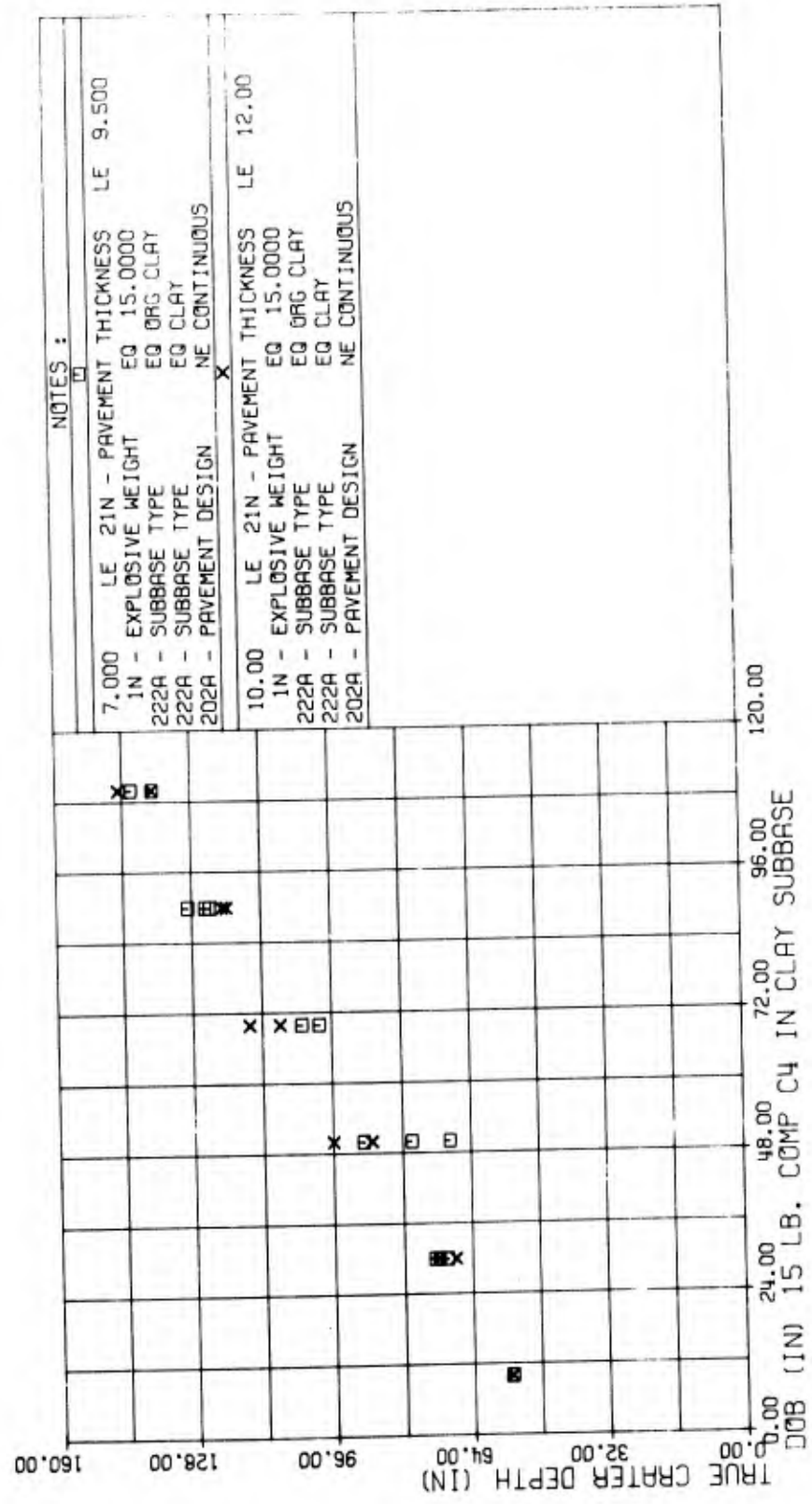


Figure B78. True Crater Depth Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

TRUE CRATER DEPTH (IN) VERSUS DOB (IN) 15LB. COMP C4 IN SAND SUBBASE

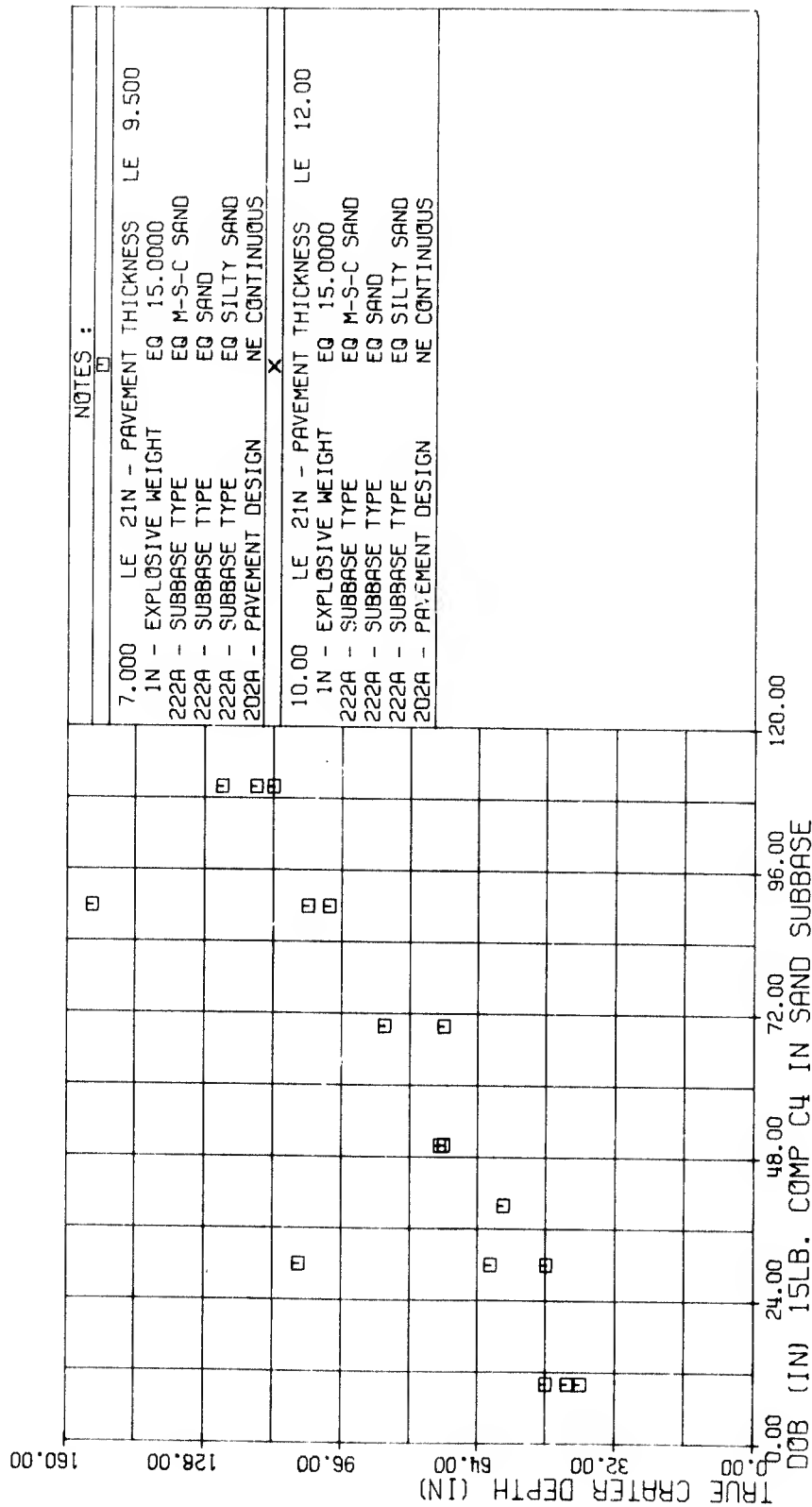


Figure B79. True Crater Depth Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

TRUE CRATER DEPTH (IN) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

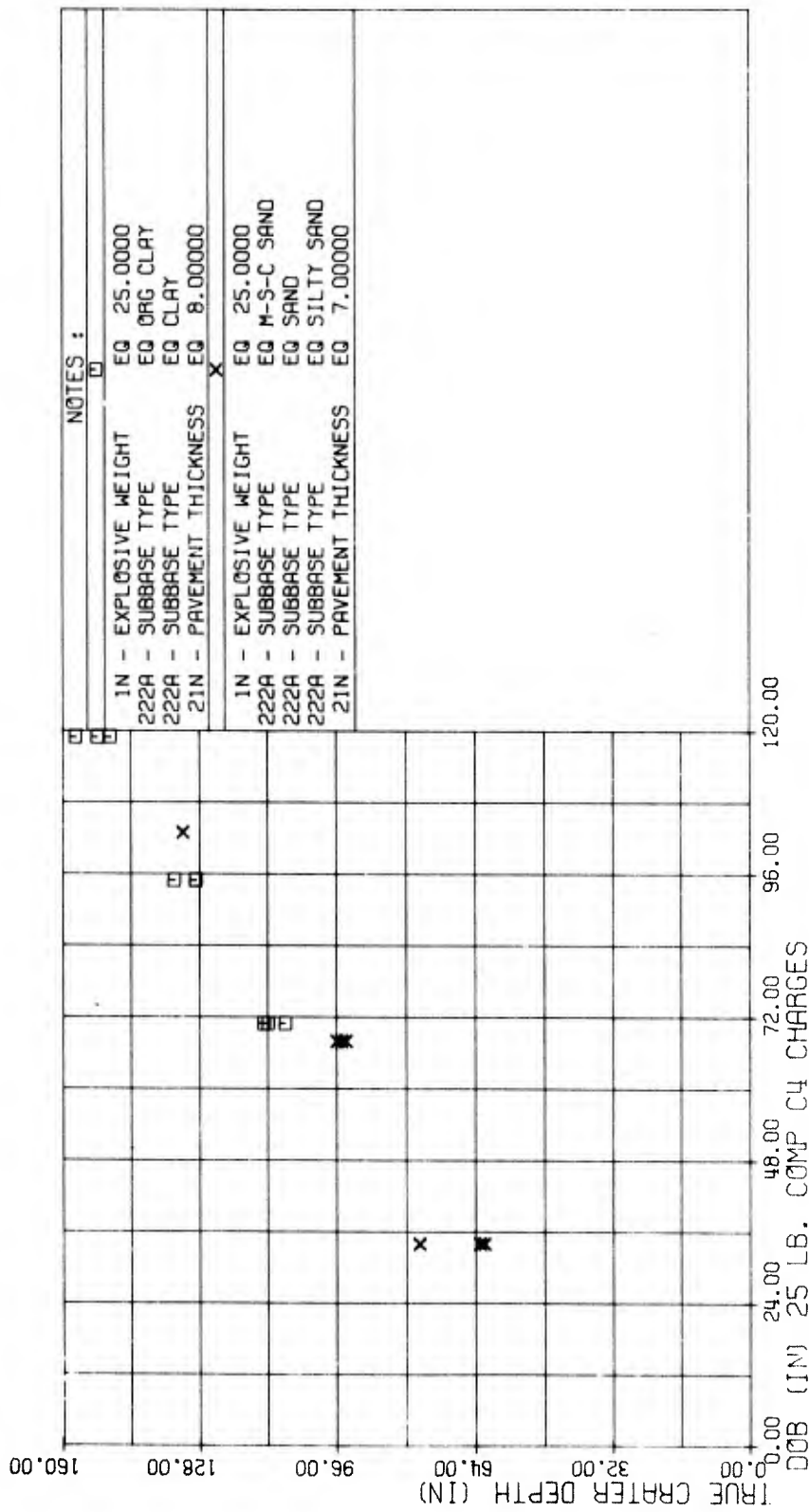


Figure B80. True Crater Depth Versus Depth of Burst for 25 Pound Comp. C4 Charges

TRUE CRATER DEPTH (FT) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

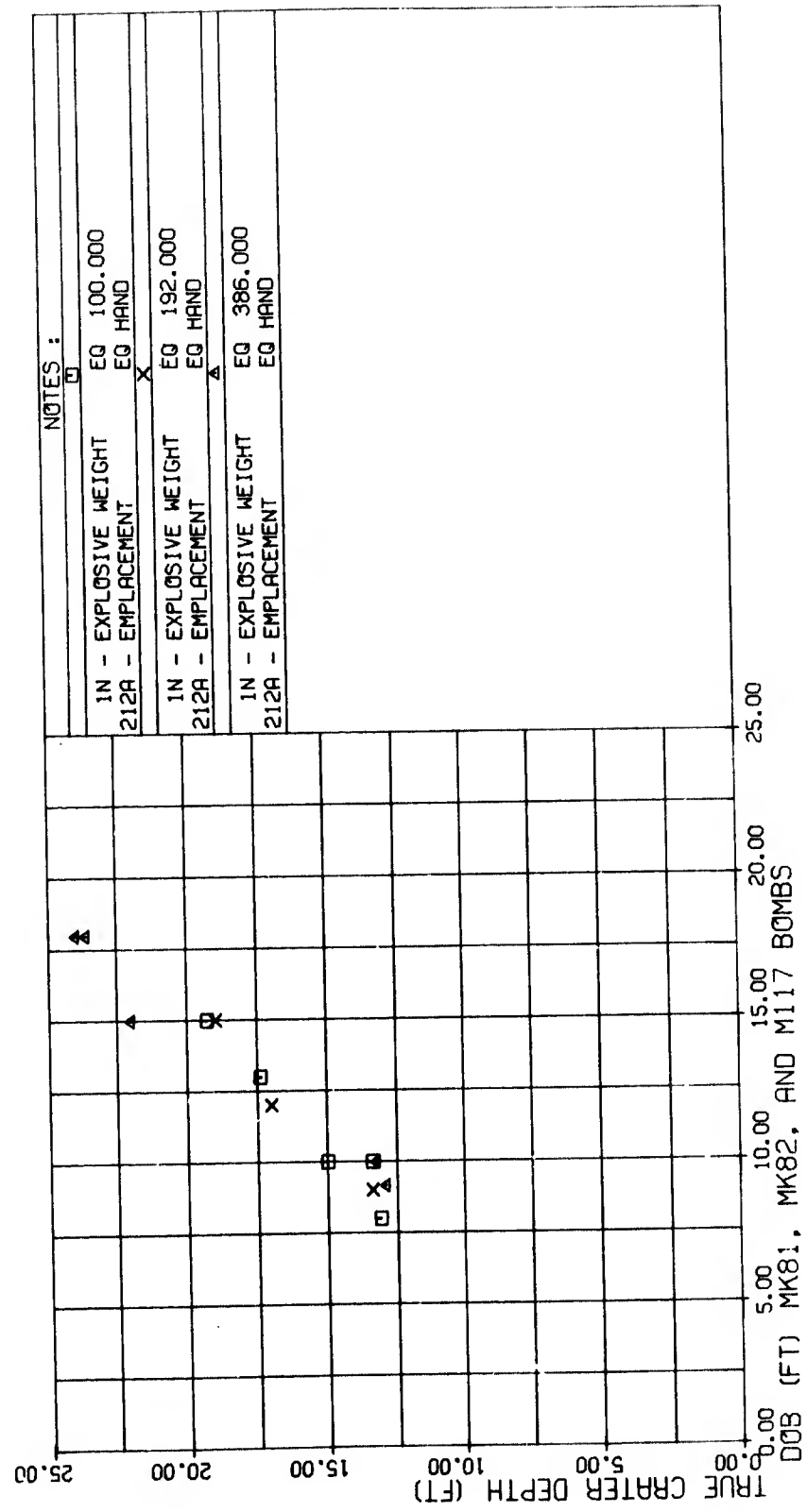
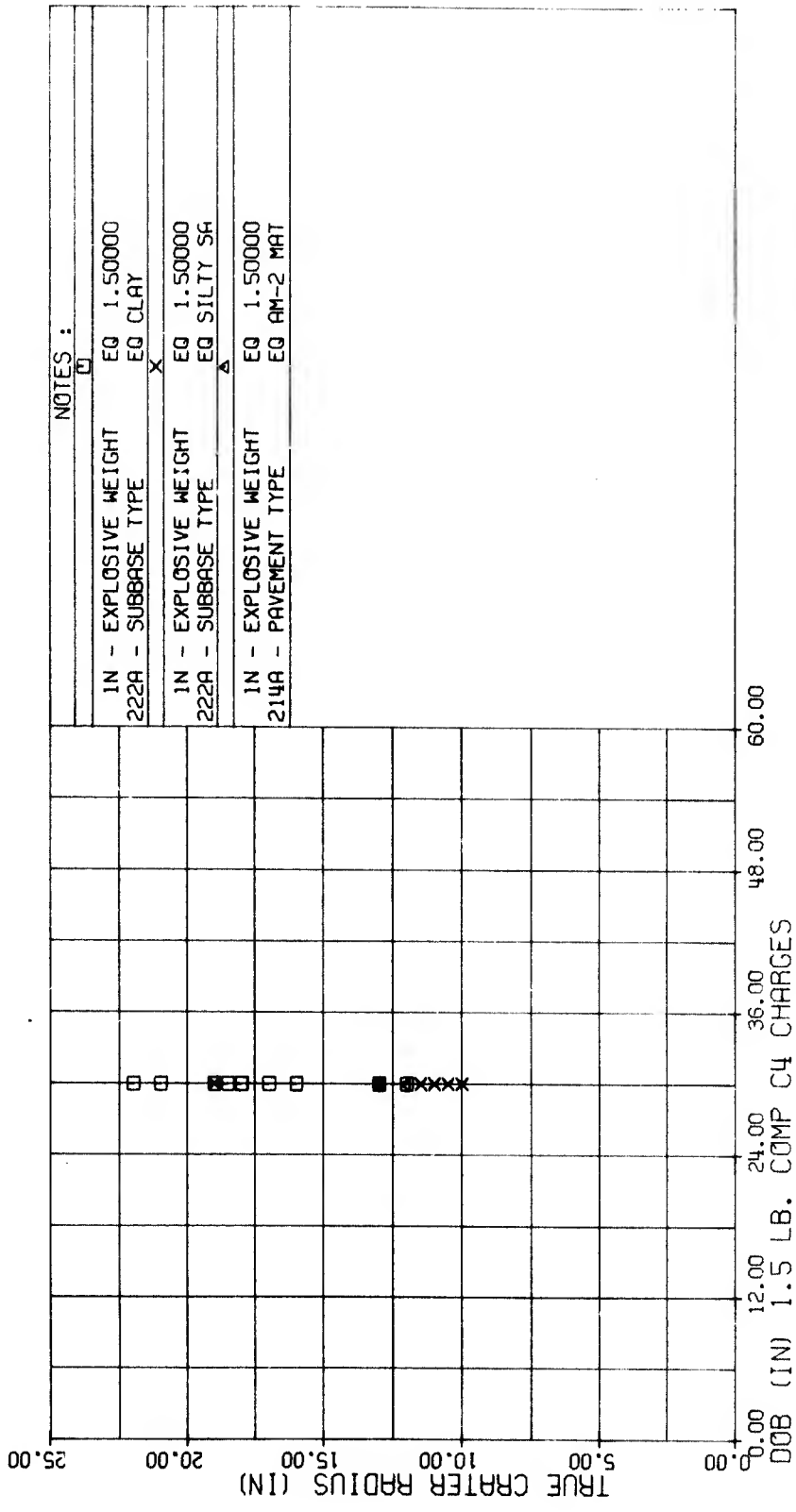


Figure B81. True Crater Depth Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

TRUE CRATER RADIUS (IN) VERSUS DOB (IN) 1.5 LB. COMP C4 CHARGES



NOTES :

IN - EXPLOSIVE WEIGHT	EQ 1.50000
222A - SUBBASE TYPE	EQ CLAY
IN - EXPLOSIVE WEIGHT	EQ 1.50000
222A - SUBBASE TYPE	EQ SILTY SA
IN - EXPLOSIVE WEIGHT	EQ 1.50000
214A - PAVEMENT TYPE	EQ AM-2 MAT

Figure B82. True Crater Radius Versus Depth of Burst for Charges Less Than 5 Pounds

TRUE CRATER RADIUS (IN) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

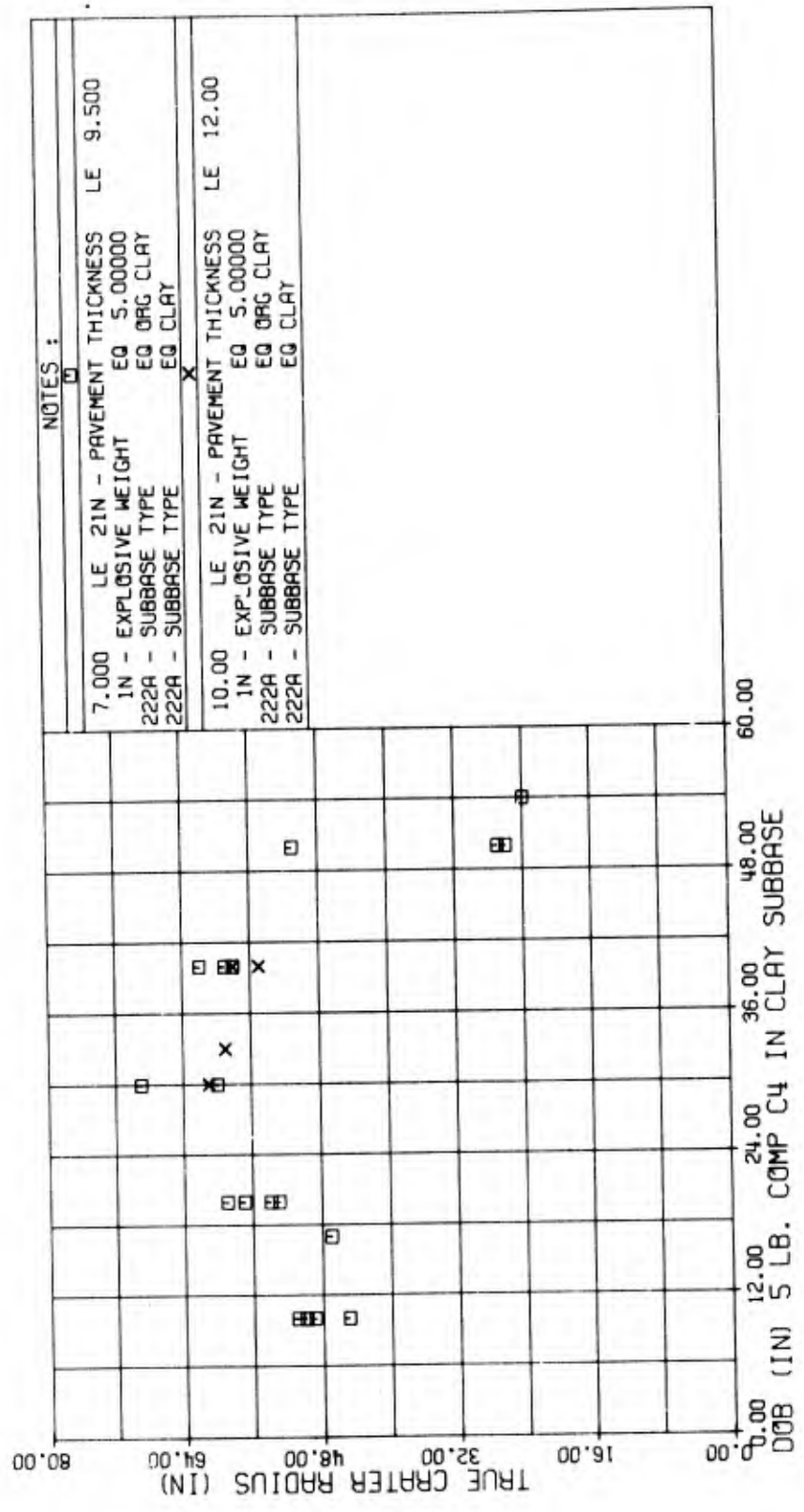


Figure B83. True Crater Radius Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

TRUE CRATER RADIUS (IN) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

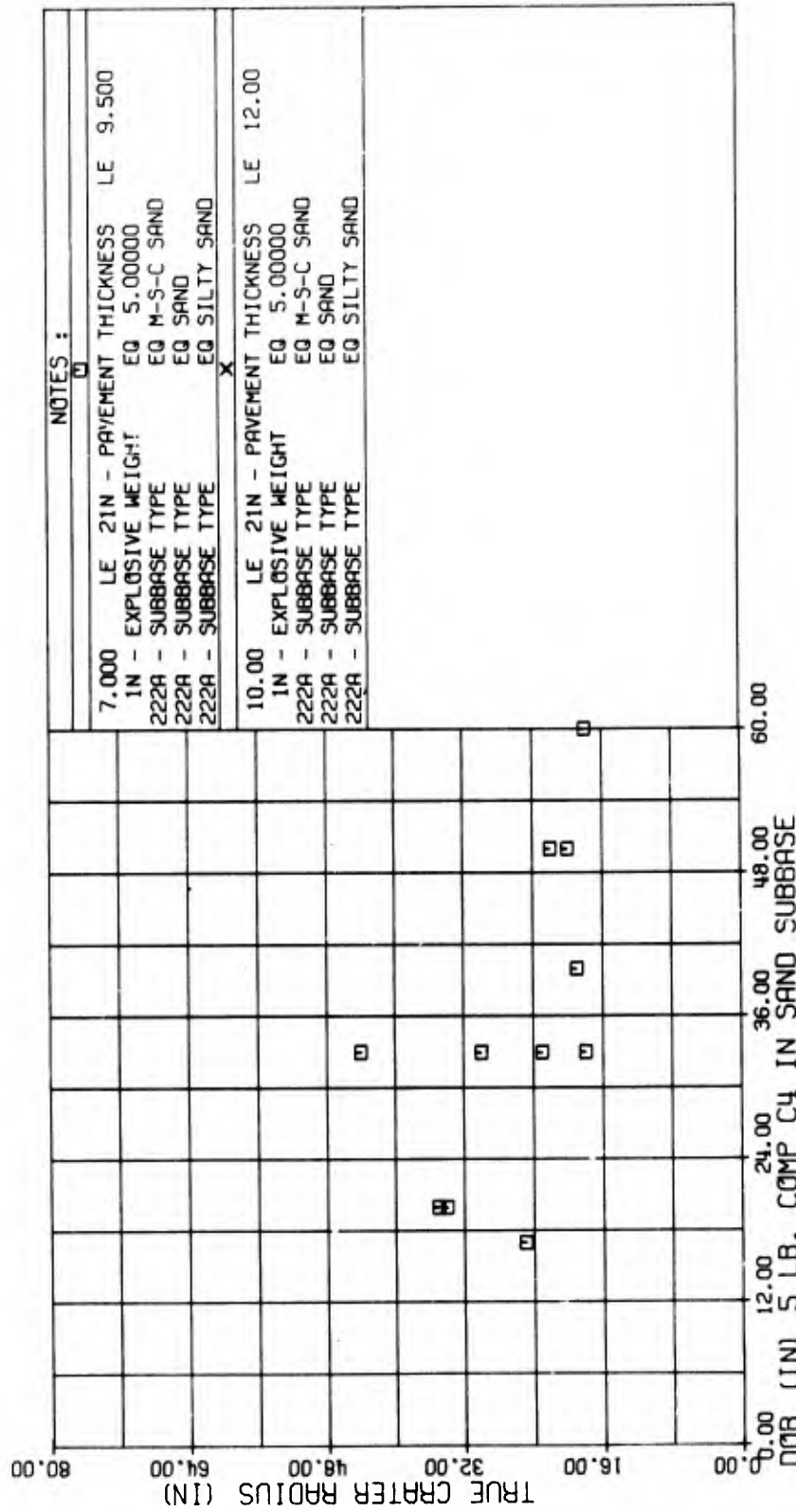


Figure B84. True Crater Radius Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

TRUE CRATER RADIUS (IN) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE

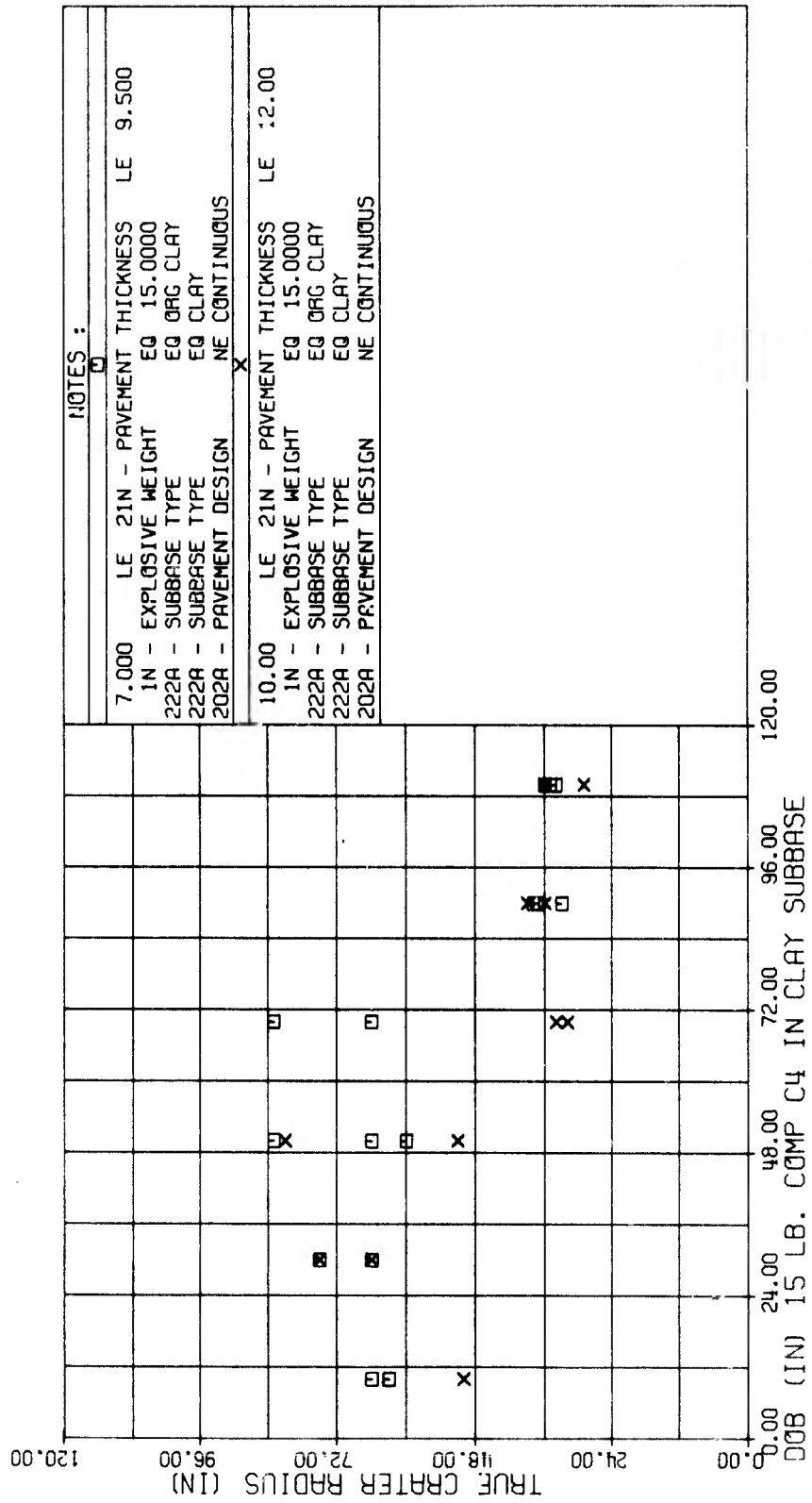


Figure B85. True Crater Radius Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

TRUE CRATER RADIUS (IN) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

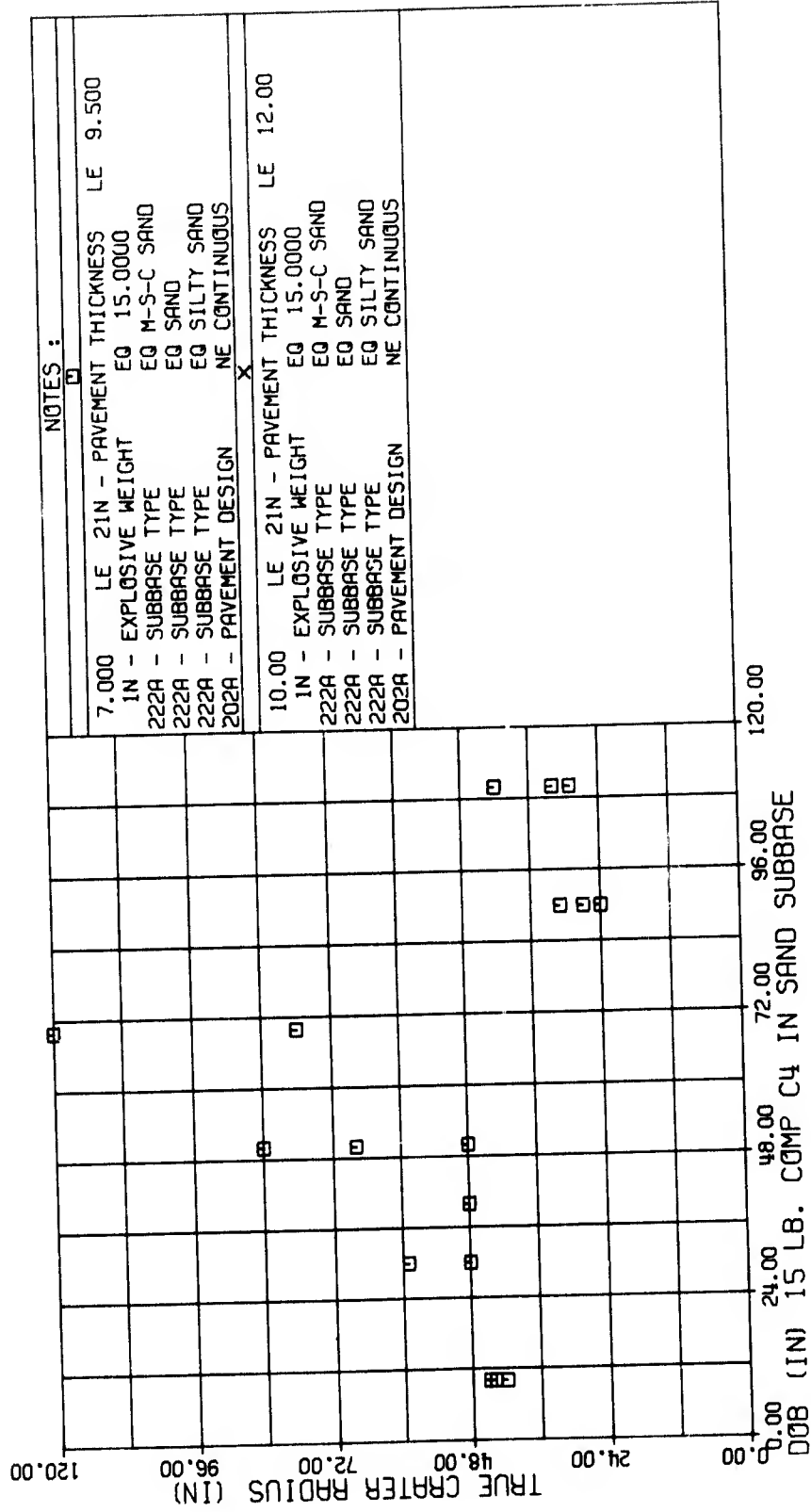


Figure B86. True Crater Radius Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

TRUE CRATER RADIUS (IN) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

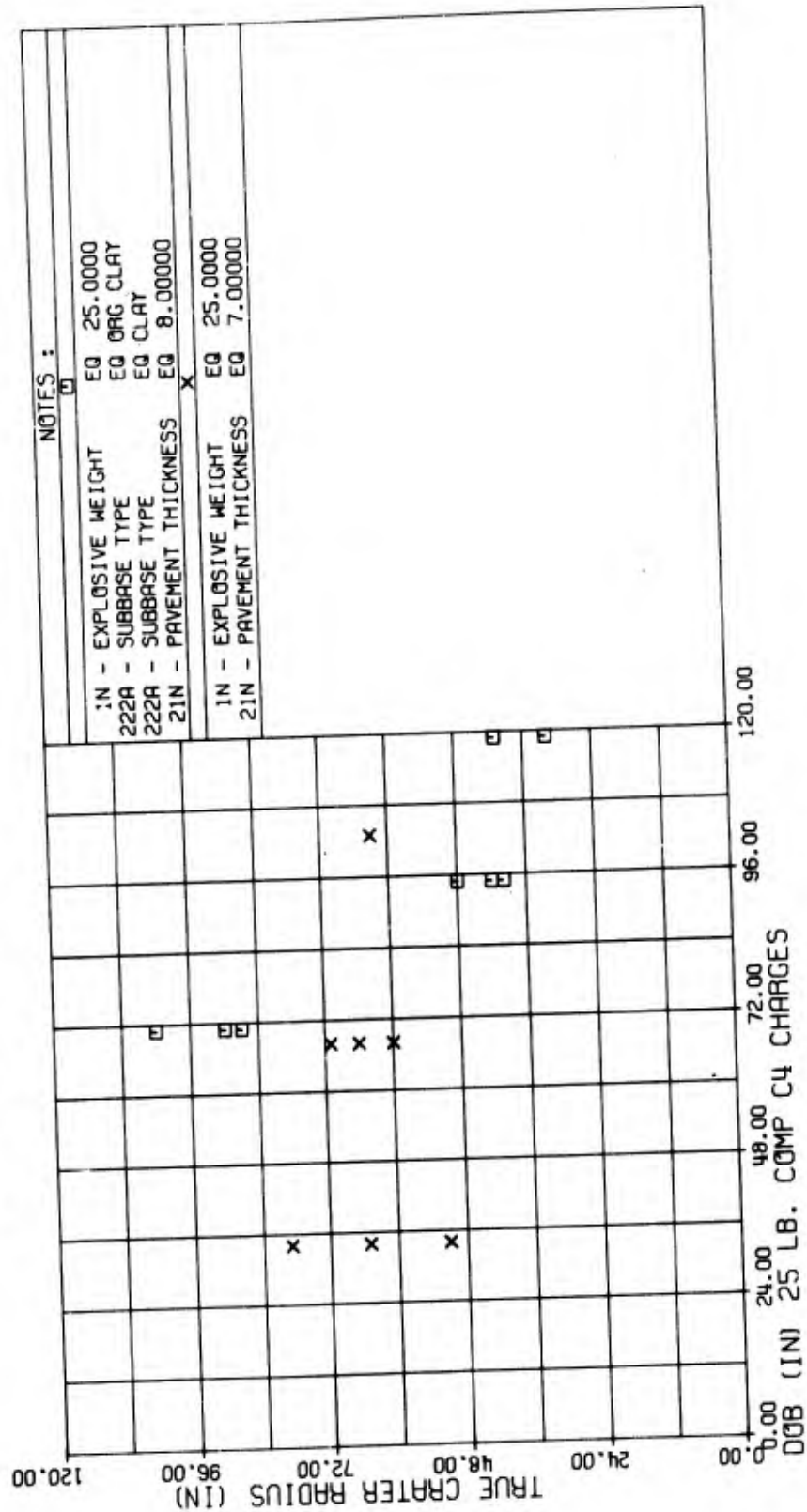


Figure B87. True Crater Radius Versus Depth of Burst for 25 Pound Comp. C4 Charges

TRUE CRATER VOLUME (CUBIC YARDS) VERSUS DOB (IN) 1.5 LB. COMP C4 CHARGES

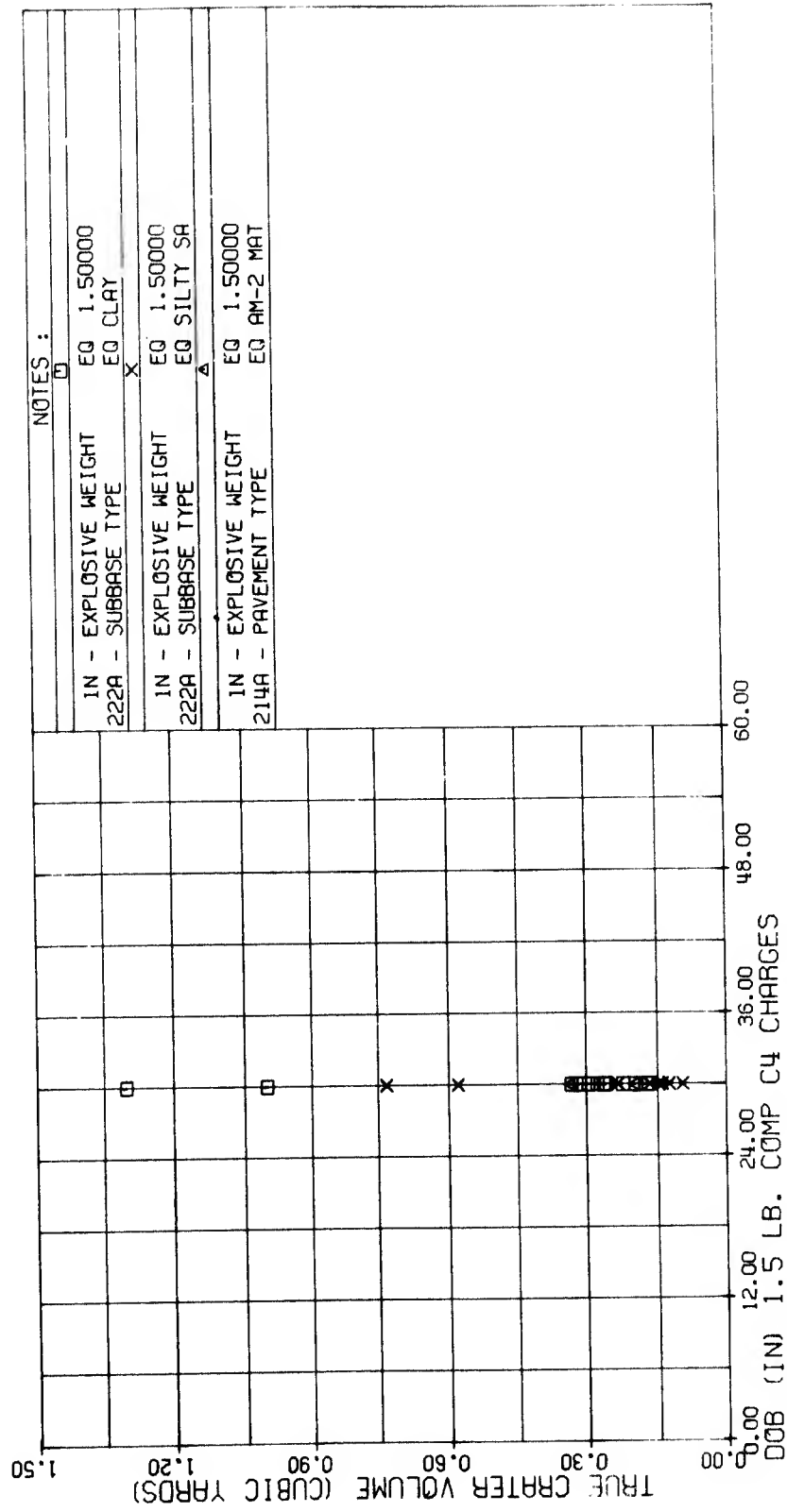


Figure B89. True Crater Volume Versus Depth of Burst for Charges Less Than 5 Pounds

TRUE CRATER VOLUME (CUBIC YARDS) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

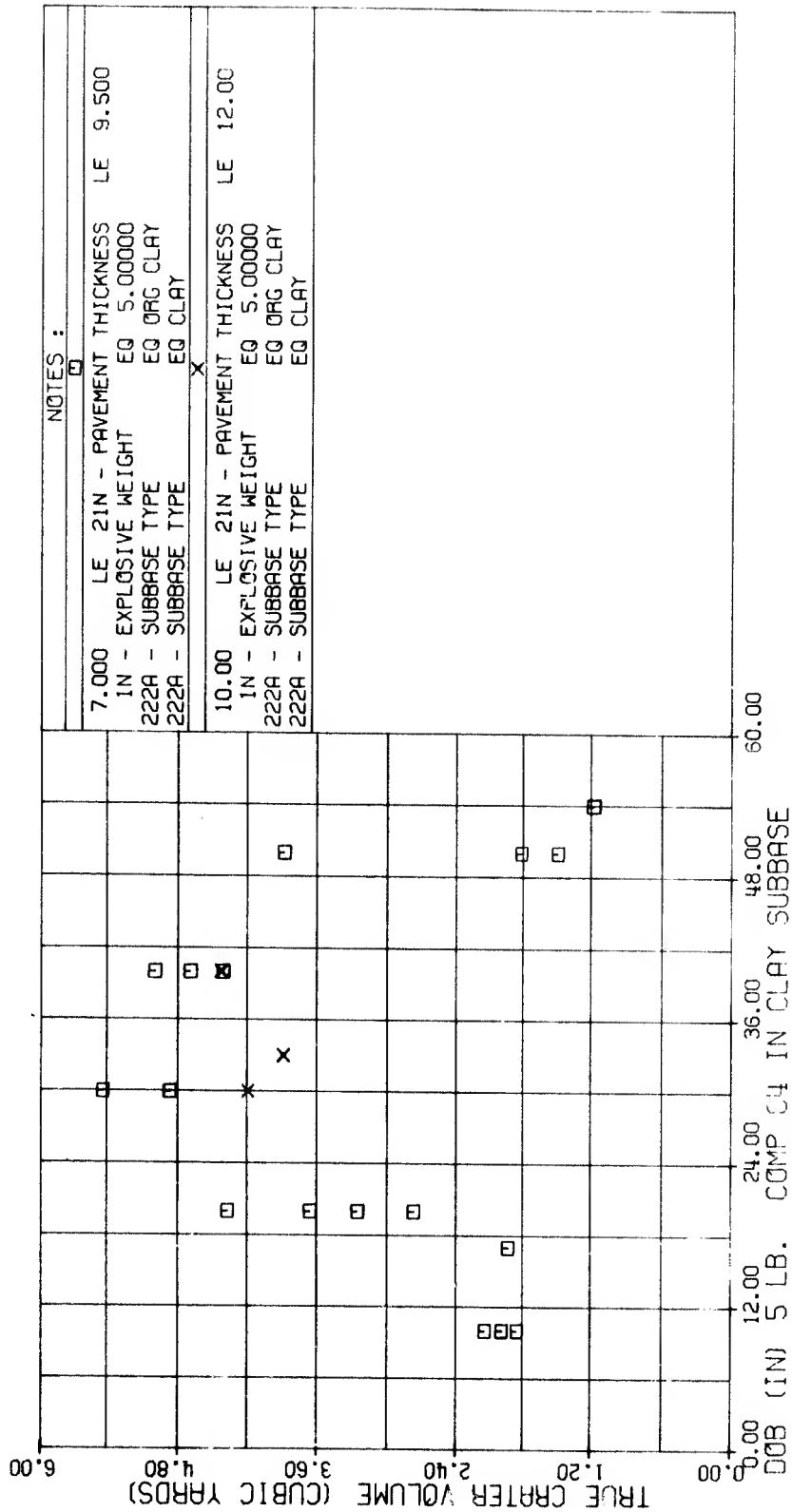


Figure B90. True Crater Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

TRUE CRATER VOLUME (CUBIC YARDS) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

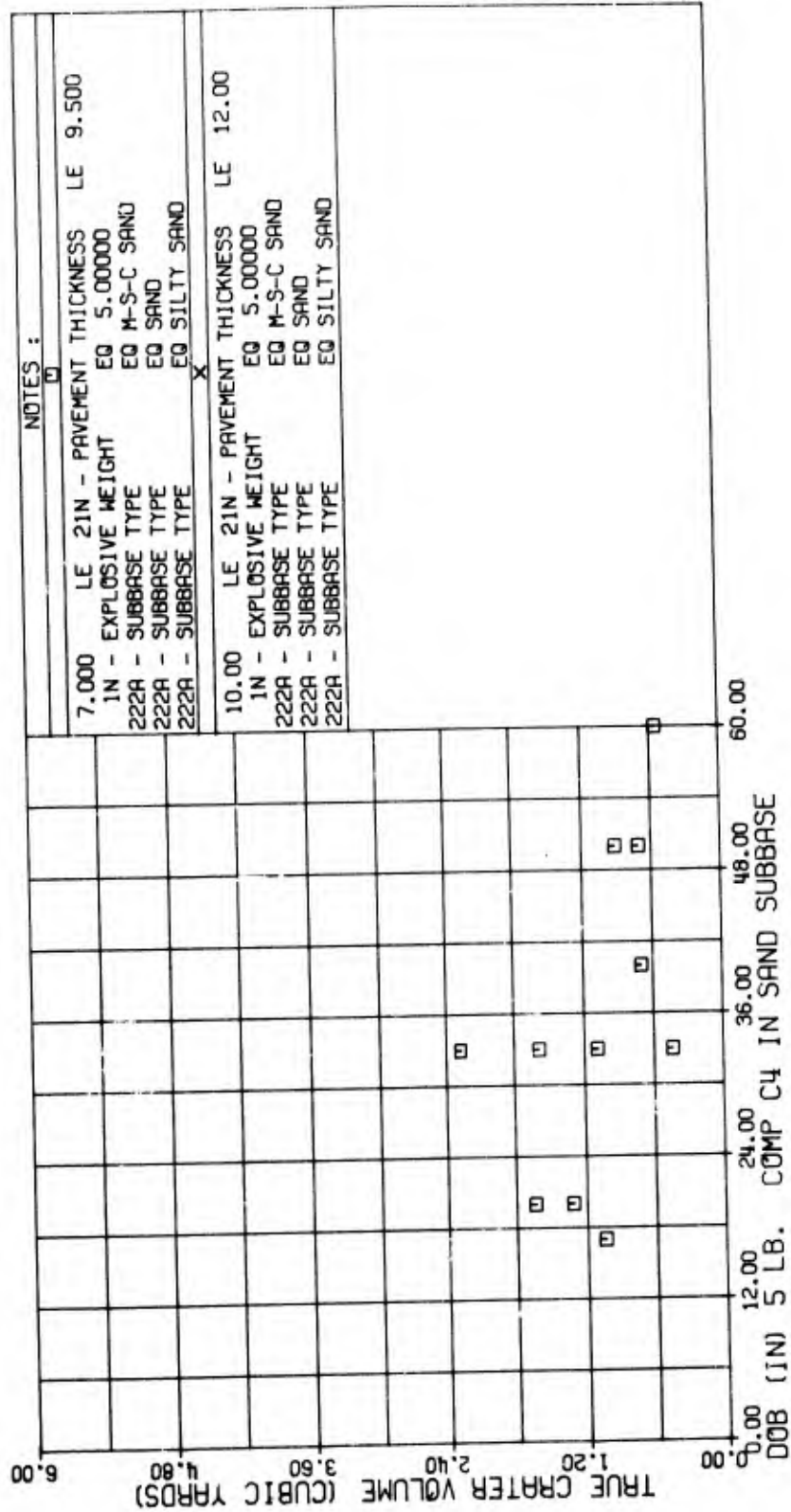


Figure B91. True Crater Volume Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

TRUE CRATER VOLUME (CUBIC YARDS) VERSUS DOB (IN) 15 LB. COMP C4 IN SAND SUBBASE

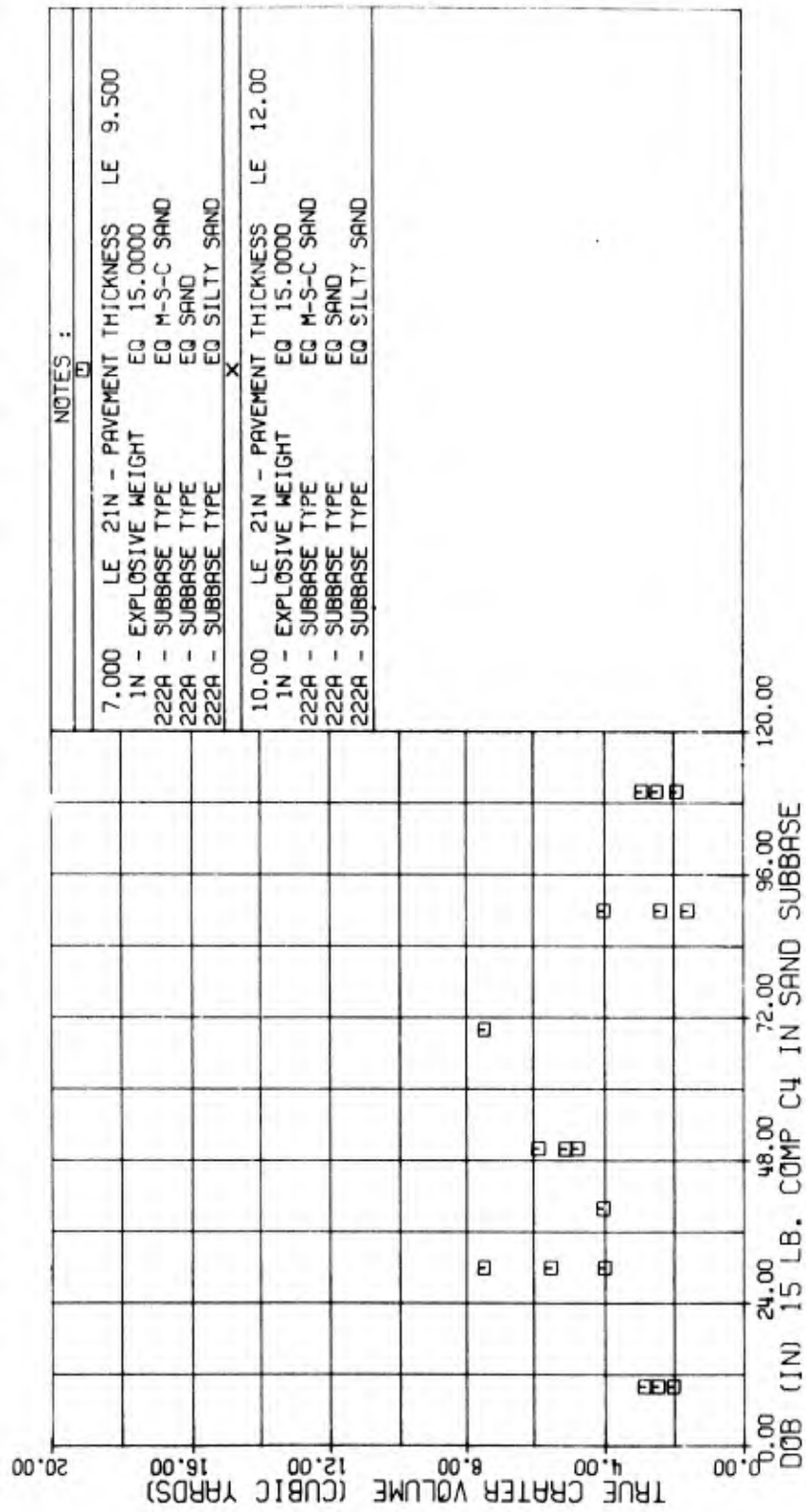


Figure B93. True Crater Volume Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Sand Subbase

TRUE CRATER VOLUME (CUBIC YARDS) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

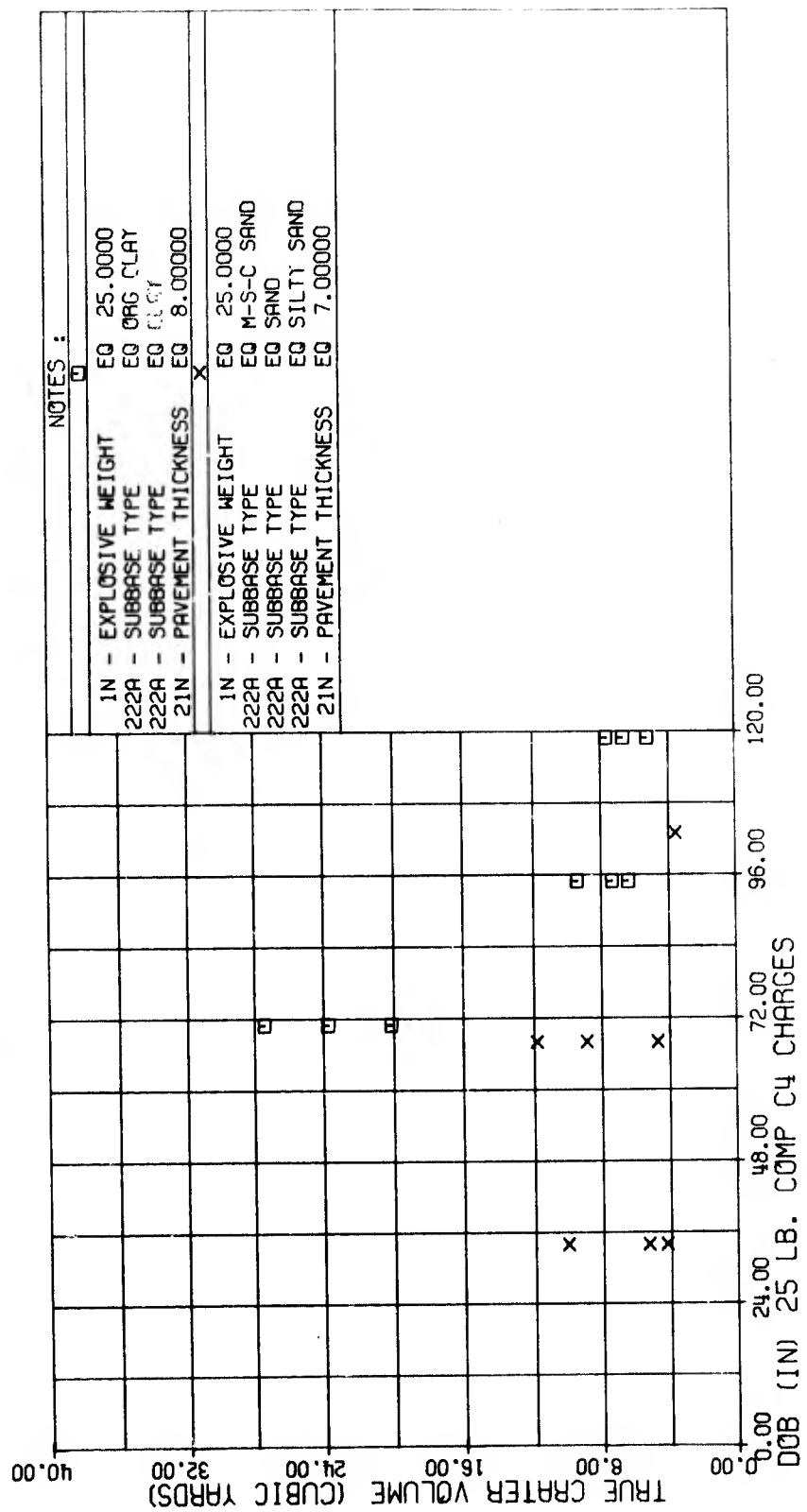


Figure B94. True Crater Volume Versus Depth of Burst for 25 Pound Comp. C4 Charges

TRUE CRATER VOLUME (CUBIC YARDS) VERSUS DOB (FT) MK81, MK82, AND M117 BOMBS

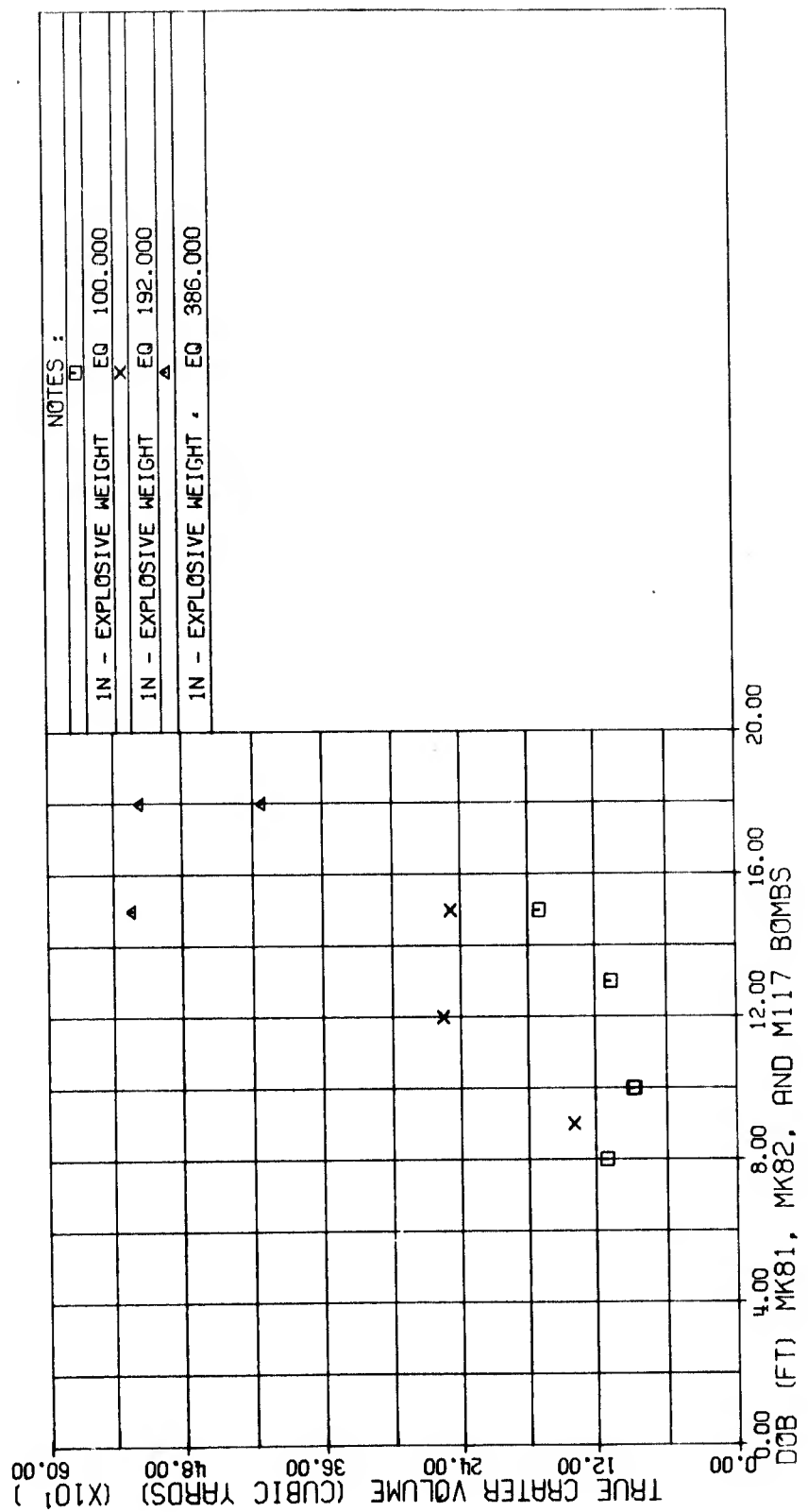


Figure B95. True Crater Volume Versus Depth of Burst for MK 81, MK 82 and M117 Bombs

APPARENT CRATER RADIUS (IN) VERSUS DOB (IN) 1.5 LB. COMP C4 CHARGES

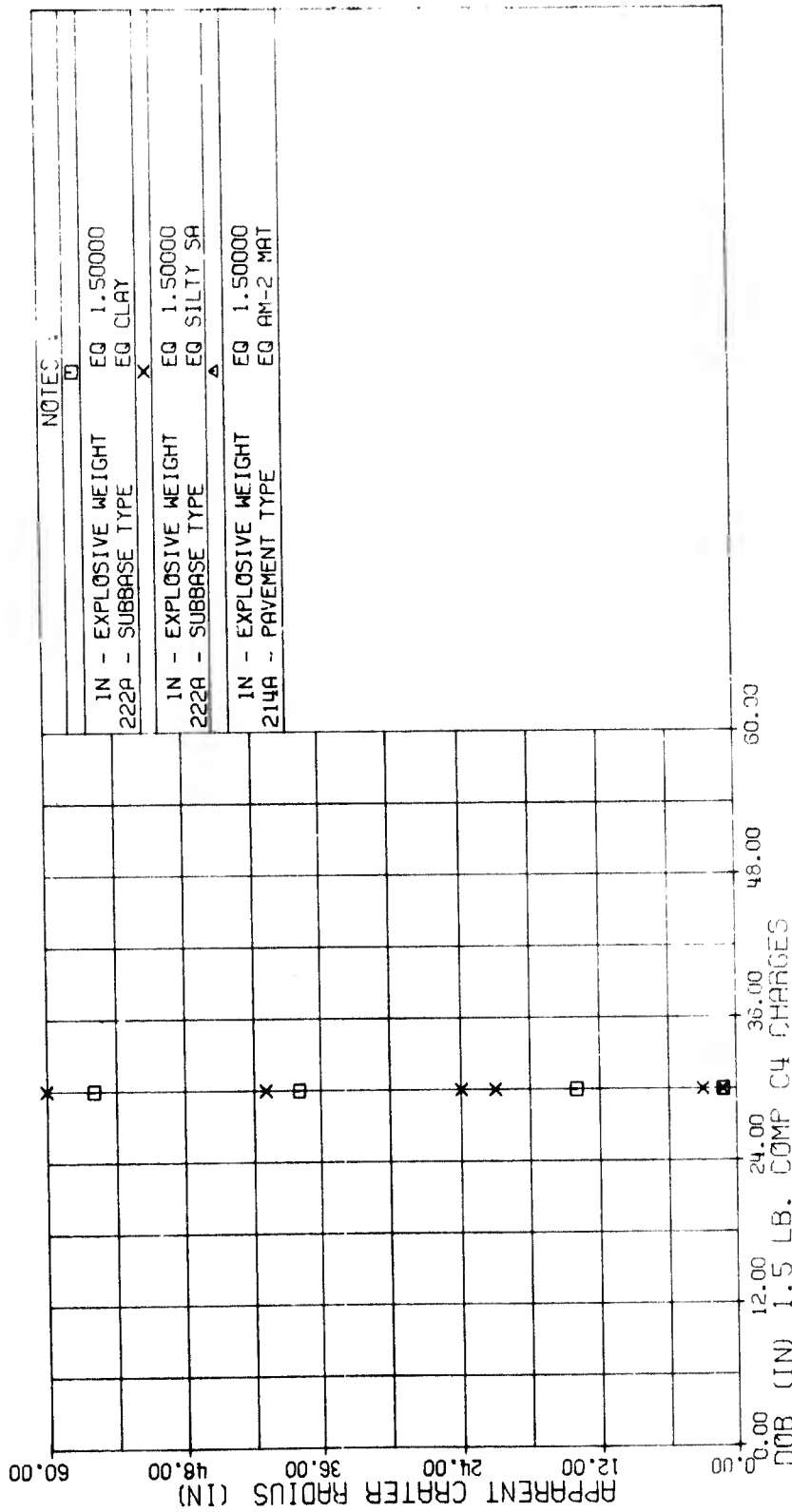


Figure B96. Apparent Crater Radius Versus Depth of Burst for Charges Less than 5 Pounds

APPARENT CRATER RADIUS (IN) VERSUS DOB (IN) 5 LB. COMP C4 IN CLAY SUBBASE

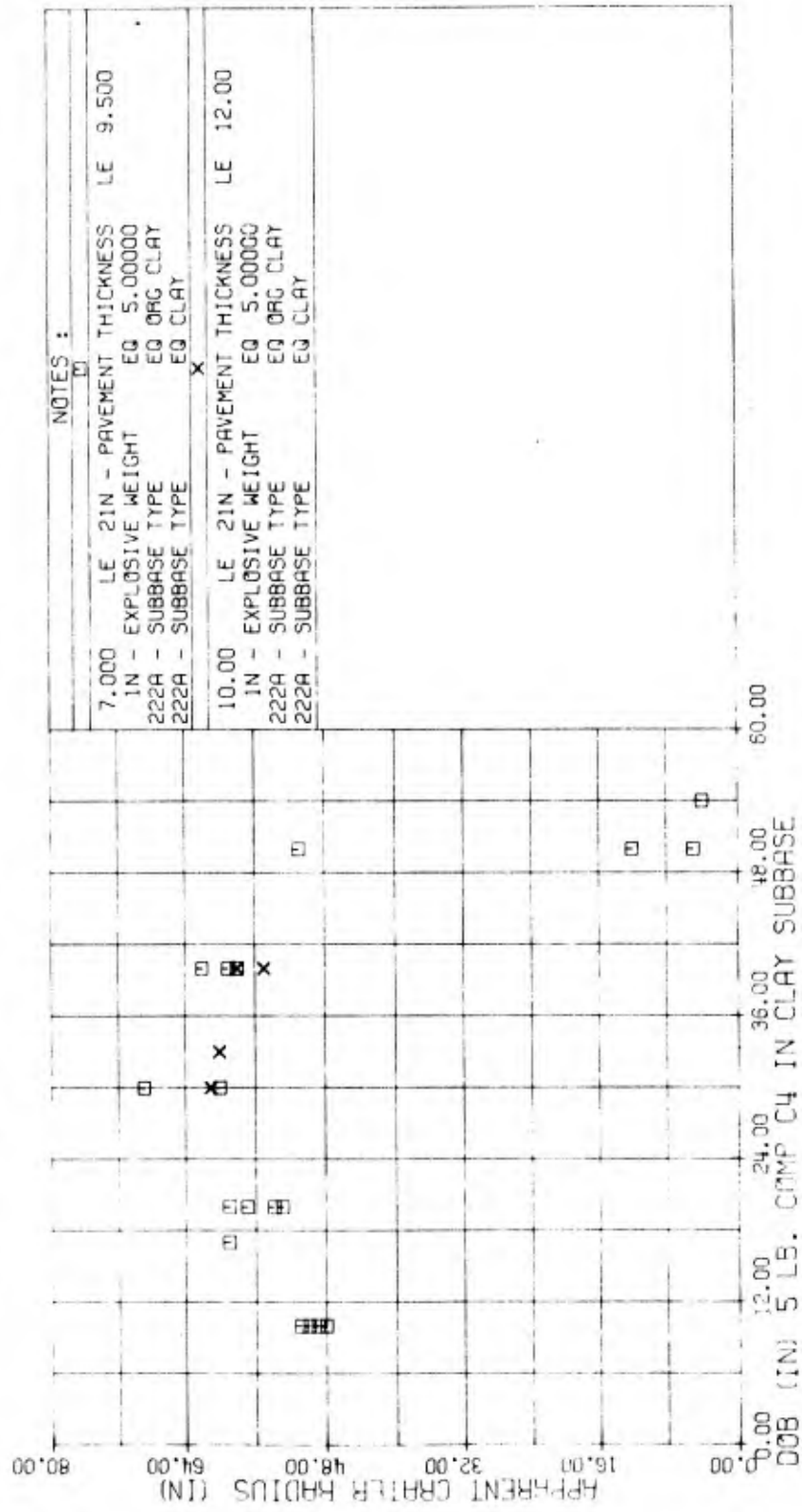


Figure B97. Apparent Crater Radius Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Clay Subbase

APPARENT CRATER RADIUS (IN) VERSUS DOB (IN) 5 LB. COMP C4 IN SAND SUBBASE

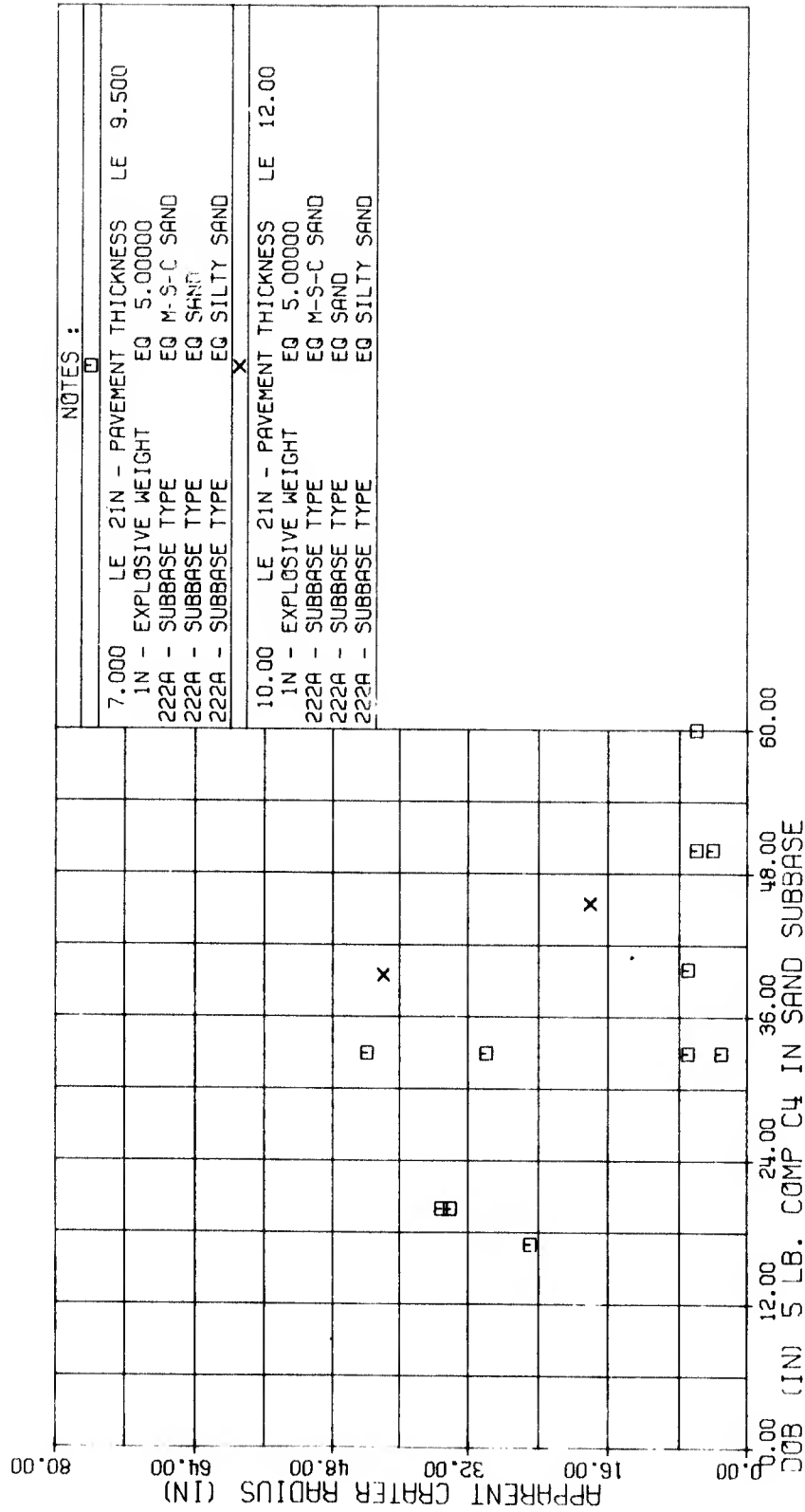
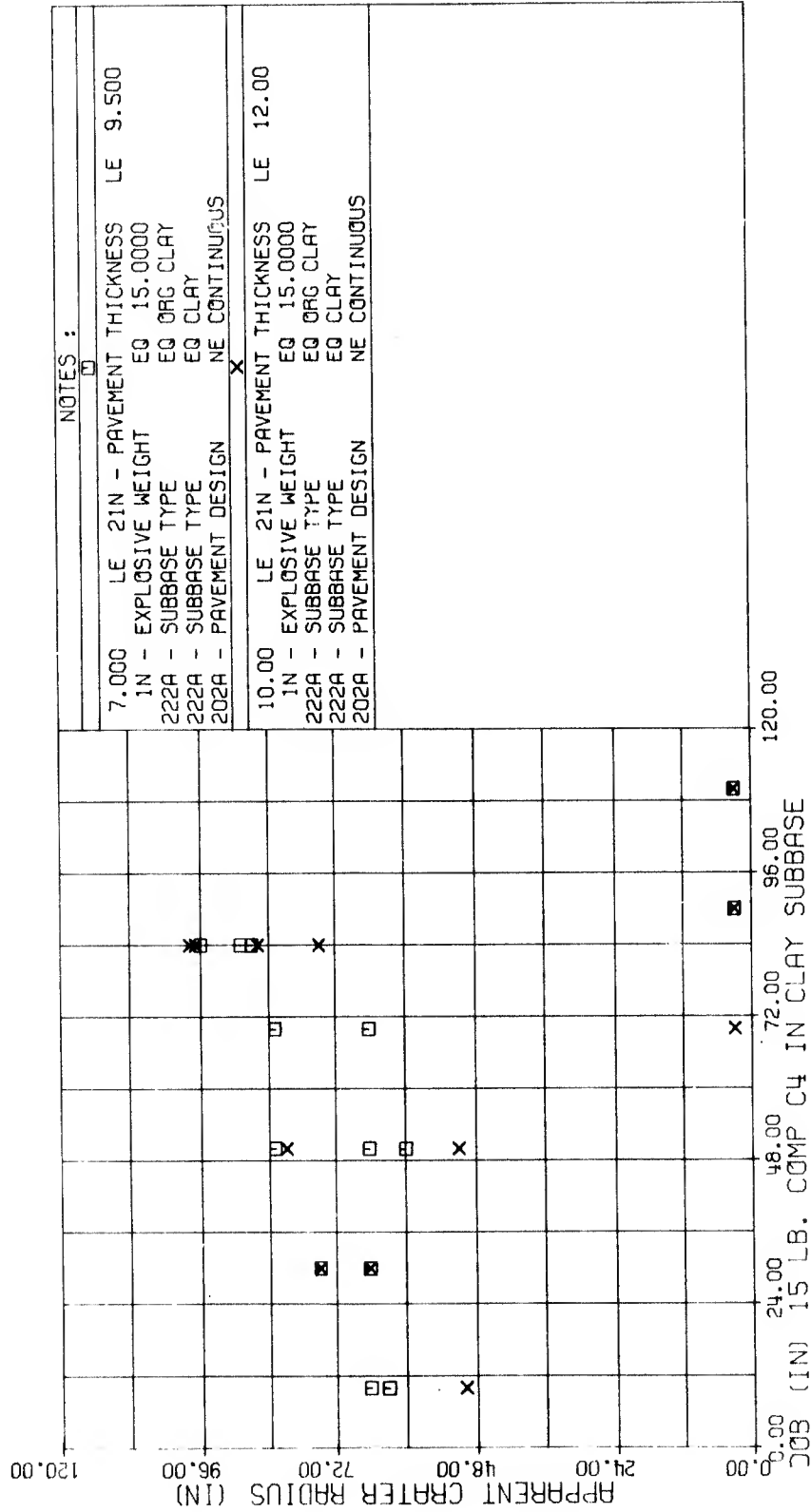


Figure B98. Apparent Crater Radius Versus Depth of Burst for 5 Pound Comp. C4 Charges in a Sand Subbase

APPARENT CRATER RADIUS (IN) VERSUS DOB (IN) 15 LB. COMP C4 IN CLAY SUBBASE



NOTES :

7.000	LE 2IN - PAVEMENT THICKNESS	LE 9.500
1N -	EXPLOSIVE WEIGHT	EQ 15.0000
222A -	SUBBASE TYPE	EQ ORG CLAY
222A -	SUBBASE TYPE	EQ CLAY
202A -	PAVEMENT DESIGN	NE CONTINUOUS
		X
10.00	LE 2IN - PAVEMENT THICKNESS	LE 12.00
1N -	EXPLOSIVE WEIGHT	EQ 15.0000
222A -	SUBBASE TYPE	EQ ORG CLAY
222A -	SUBBASE TYPE	EQ CLAY
202A -	PAVEMENT DESIGN	NE CONTINUOUS

Figure B99. Apparent Crater Radius Versus Depth of Burst for 15 Pound Comp. C4 Charges in a Clay Subbase

APPARENT CRATER RADIUS (IN) VERSUS DOB (IN) 25 LB. COMP C4 CHARGES

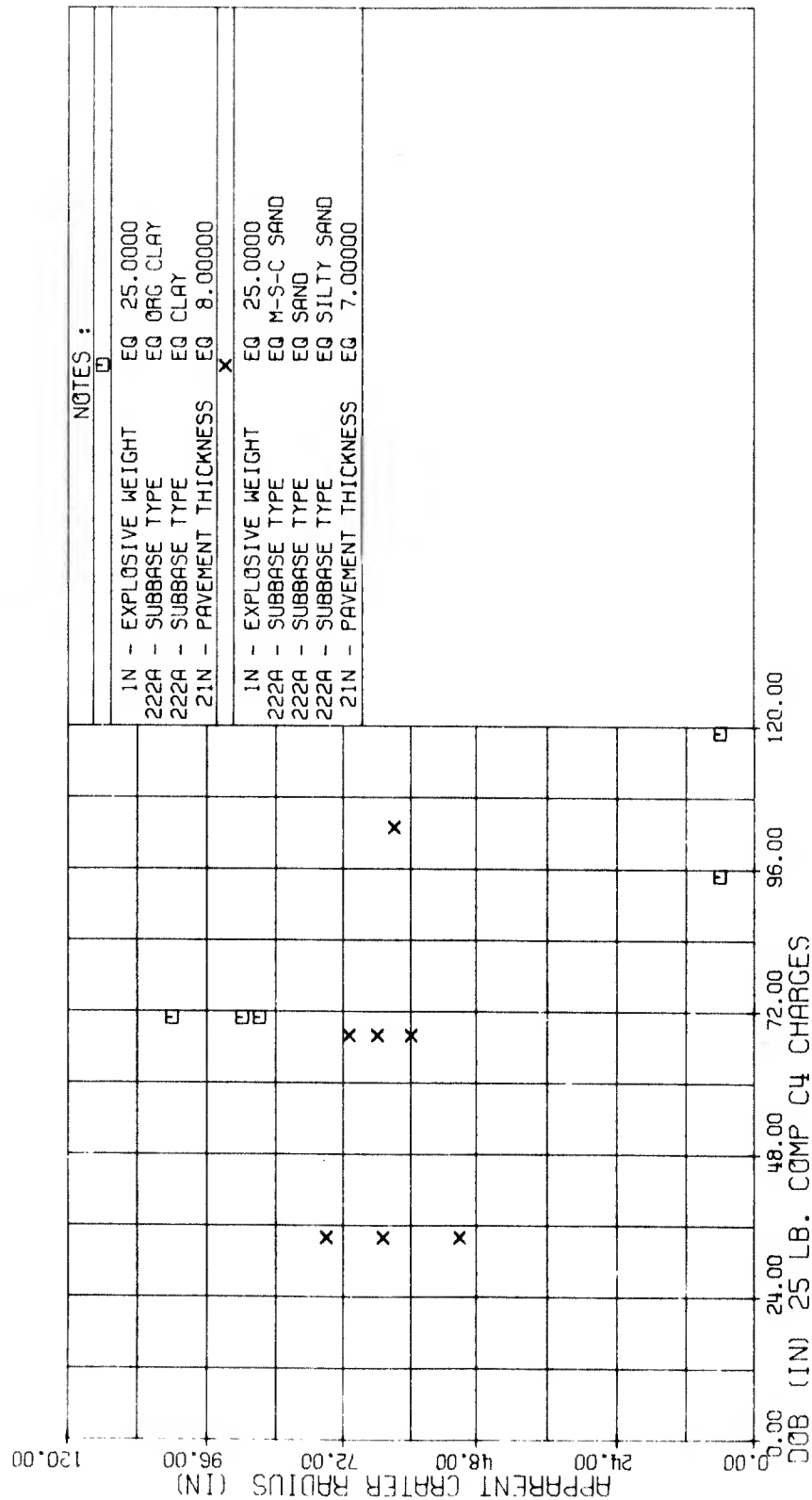


Figure B101. Apparent Crater Radius Versus Depth of Burst for 25 Pound Comp. C4 Charges

APPARENT CRATER RADIUS (FT) VERSUS DOB (FT) MK81, MK82, M117 & AN-M65A BOMB

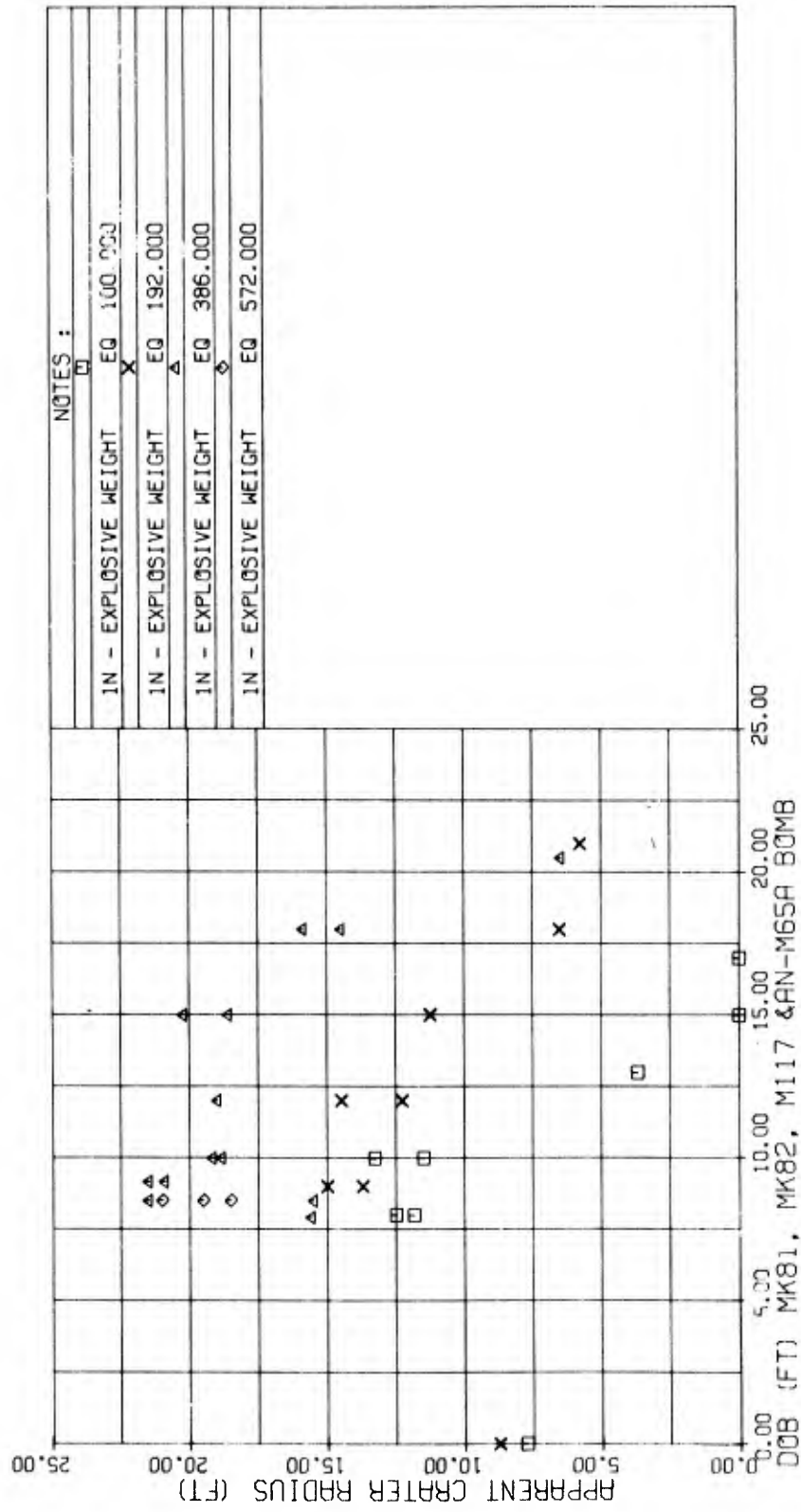


Figure B102. Apparent Crater Radius Versus Depth of Burst for MK 81, MK 82, M117, and AN-M65A Bombs

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Hq USAF/PRE	1 MVEE Christchurch	1
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CINCPACAF/DEE	1	
CINCPACAF/DEM	1	
USAF/DFSLB	1	
USAF/DFCA	1	
5 AF/DEE	1	
7 AF/DEE	1	
13 AF/DEE	1	
ASD/DEE	1	
ADTC/DEE	1	
AFATL/DLJK	1	
AFSWC/HO	1	
AFWL/SUL	1	
AFATL/DL	1	
USAF Eng LO	1	
TAWC/DEE	1	
AMXBR/Aberdeen Pg Gd	1	
WESRL	1	
WESS	1	
Nav Ctl Eng Corps Off Sch		
USNCB Cen	1	
DDR&E (Asst Dir, Strat Wpns)	1	
DDC/TCA	12	
AFCEC/DE	1	
AFCEC/DO	1	
AFCEC/EM	10	
AFCEC/EA	1	
AFCEC/Tech Lib	1	
RAE Farnborough	1	
Naval Civ Engr Lab	1	
CRREL/EN	1	
CERF	4	