

TEST REPORT

CLIENT NAME		ECONROAD ASIA PTE LTD
ADDRESS	ŝ	28, GENTING LANE, # 09-07, PLATINUM 28
		SINGAPORE 349585
ATTENTION TO		MR. SURIA LIM
TEL NO	:	6846 8455
FAX NO	:	6842 0438
ACCOUNT	:	ECONROAD ASIA PTE LTD
CHARGEABLE TO		
PROJECT CODE		D0345
PROJECT TITLE	:	GENERAL TESTING
SUBJECT	÷	DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)
		BS 1377-4: 1990: 7
TEST STANDARD	:	BS 1377-4. 1990. 7
JOB REF.	1	ADM/13/3196(2)
SAMPLE REFERENCE	:	ORIGINAL SOIL (0%)
DATE RECEIVED	÷	15-Jul-2013
DATE OF REPORT	ŧ	30-Jul-2013
TOTAL PAGES		2 (INCLUDING COVER PAGE)



ACCREDITE D
 LABORATORY
 SAC-SINUCLAS
 Introductions
 Accontrol to acconditions:
 Terms & conditions:
 The Report is prepared based on the tests requested and on the specific items submitted to Admaterials for testing, Admaterials assumes no responsibility
 tor variations in quality or other characteristics of items submitted under conditions over which. Admaterials has no control. This Report does not
 construct a recommendation (no, ro endorsment of, the time or material tested.
 Admaterials agrees to use a reasonable degree of diligence in the manner of performing the tests, inspections or services but no warranties are given and
 none may be implied directly or indirectly relating to Admaterials; services or facilities. Admaterials shall not be liable for any collateral, special
 or consequential domage.
 The Report must not be used in advertisements without the written consent of Admaterials.
 No other third party can obtain the Report through Admaterials unless specified in the Admaterials registration form or he has received written
 instruction from the applicant to authorise Admaterials to do so.

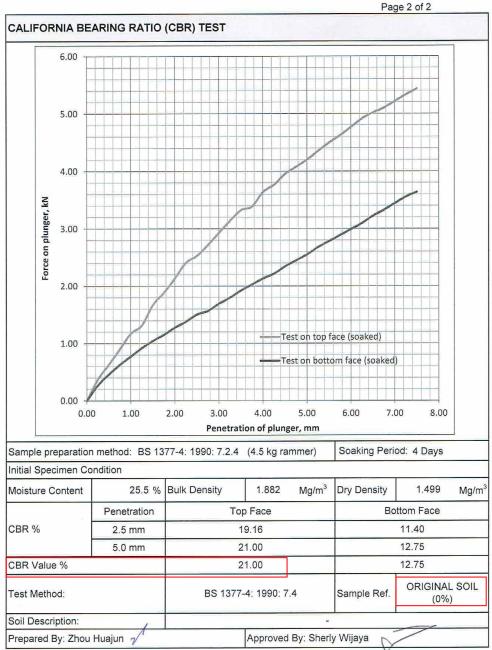
ADMATERIALS TECHNOLOGIES PTE LTD

 58 Sungei Kadut Loop Singapore 729501
 Co. Reg. No.: 200805959C

 Tel: (65) 6362 9066
 Fax: (65) 6362 2080
 Website: www.admaterials.com.sg



JOB REF: ADM/13/3196(2)





TEST REPORT

CLIENT NAME	ECONROAD ASIA PTE LTD	
ADDRESS	28, GENTING LANE, # 09-07, PLATINUM 28	
	SINGAPORE 349585	
ATTENTION TO	MR. SURIA LIM	
TEL NO	6846 8455	
FAX NO	6842 0438	
ACCOUNT	ECONROAD ASIA PTE LTD	
CHARGEABLE TO		
PROJECT CODE	D0345	
PROJECT TITLE	GENERAL TESTING	
SUBJECT	DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)	
	BS 1377-4: 1990: 7	
TEST STANDARD	DS 13/7-4. 1990. 7	
JOB REF.	ADM/13/3196(3)	
JOB REF.		
JOB REF. SAMPLE REFERENCE	ADM/13/3196(3) ORIGINAL SOIL WITH 3% TERRA FIRMA SOIL STABILIZER AGENT	
JOB REF.	ADM/13/3196(3) ORIGINAL SOIL WITH 3% TERRA FIRMA SOIL STABILIZER AGENT 15-Jul-2013	
JOB REF. SAMPLE REFERENCE DATE RECEIVED	ADM/13/3196(3) ORIGINAL SOIL WITH 3% TERRA FIRMA SOIL STABILIZER AGENT 15-Jul-2013	
JOB REF. SAMPLE REFERENCE DATE RECEIVED	ADM/13/3196(3) ORIGINAL SOIL WITH 3% TERRA FIRMA SOIL STABILIZER AGENT 15-Jul-2013	



Terms & conditions:

ms & conditions: The Report is prepared based on the tests requested and on the specific items submitted to Admaterials for testing. Admaterials assumes no responsibility for variations in quality or other characteristics of items submitted under conditions over which Admaterials has no control. This Report does not constitute a recommendation for, or endorsement of, the item or material tested. Admaterials agrees to use a reasonable degree of dilgence in the manner of performing the tests, inspections or services but no warranties are given and none may be implied directly or indirectly relating to Admaterials' test results, services or facilities. Admaterials shall not be liable for any collaterial, special or consequential damage. The Report must not be used in advertisements without the written consent of Admaterials. The Report must not be used in advertisements without the written consent of Admaterials. No other third party can obtain the Report through Admaterials uses specified in the Admaterials. 1.

 The results reported herein have been performed in accordance with the laboratory's terms
 3.

 of accreditation under the singapore Accreditation
 5.

 Council - Singapore Laboratory Accreditation Scheme
 5.

ADMATERIALS TECHNOLOGIES PTE LTD

 58 Sungel Kadut Loop Singapore 729501
 Co. Rag. No.: 200805959C

 Tel: (65) 6362 9066
 Fax: (65) 6362 2080
 Website: www.admaterials.com.sg



Page 2 of 2 CALIFORNIA BEARING RATIO (CBR) TEST 30.00 25.00 20.00 Š Force on plunger, 15.00 10.00 Test on top face (soaked) 5.00 Test on bottom face (soaked) 0.00 5.00 6.00 7.00 8.00 0.00 1.00 2.00 3.00 4.00 Penetration of plunger, mm Soaking Period: 4 Days Sample preparation method: BS 1377-4: 1990: 7.2.4 (4.5 kg rammer) Initial Specimen Condition Mg/m³ 25.5 % Bulk Density 1.904 Dry Density 1.518 Moisture Content Mg/m³ Top Face Bottom Face Penetration CBR % 2.5 mm 85.50 162.29 122.79 103.46 5.0 mm 162.29 CBR Value % 103.46 **ORIGINAL SOIL** WITH 3% TERRA Test Method: BS 1377-4: 1990: 7.4 Sample Ref. FIRMA SOIL Soil Description: Approved By: Sherly Wijaya Prepared By: Zhou Huajun 🥠 A



TEST REPORT

CLIENT NAME	3 -	ECONROAD ASIA PTE LTD
ADDRESS	3	28, GENTING LANE, # 09-07, PLATINUM 28
		SINGAPORE 349585
ATTENTION TO	3	MR. SURIA LIM
TEL NO	3	6846 8455
FAX NO	:	6842 0438
ACCOUNT	1	ECONROAD ASIA PTE LTD
CHARGEABLE TO		
PROJECT CODE	:	D0345
PROJECT TITLE	:	GENERAL TESTING
SUBJECT &	;	COMPACTION TEST (DRY DENSITY/MOISTURE CONTENT)
SUBJECT & TEST STANDARDS	:	COMPACTION TEST (DRY DENSITY/MOISTURE CONTENT) ASTM D1557 - 02
TEST STANDARDS		ASTM D1557 - 02
Contraction of the	•••	ASTM D1557 - 02
TEST STANDARDS	:	ASTM D1557 - 02 ADM/13/3196(1)
TEST STANDARDS JOB REF. CLIENT SAMPLE REF.	:	ASTM D1557 - 02 ADM/13/3196(1) INA 13/006
TEST STANDARDS	:	ASTM D1557 - 02 ADM/13/3196(1)
TEST STANDARDS JOB REF. CLIENT SAMPLE REF.	:	ASTM D1557 - 02 ADM/13/3196(1) INA 13/006
TEST STANDARDS JOB REF. CLIENT SAMPLE REF. SAMPLE REFERENCE	:	ASTM D1557 - 02 ADM/13/3196(1) INA 13/006 ORIGINAL SOIL WITH 3% TERRA FIRMA SOIL STABILIZER AGENT
TEST STANDARDS JOB REF. CLIENT SAMPLE REF. SAMPLE REFERENCE DATE RECEIVED	: : : :	ASTM D1557 - 02 ADM/13/3196(1) INA 13/006 ORIGINAL SOIL WITH 3% TERRA FIRMA SOIL STABILIZER AGENT 15-Jul-2013

Terms & conditions:

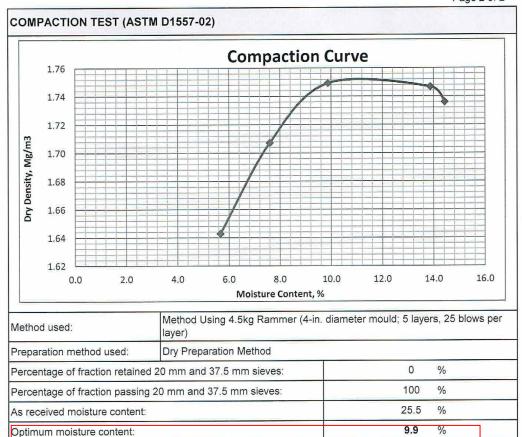
Term & conditions: 1. The Report is prepared based on the tasts requested and on the specific items submitted to Admaterials for testing. Admaterials assumes no responsibility for variations in quality or other characteristics of hems submitted under conditions over which Admaterials has no control. This Report does not constitute a recommendation for, or endorsement of, tha item or material tested. 2. Admaterials agrees to use a reasonable dogree of dilgence in the memory of performing the tests, inspections or zerolose but no warrants are given and none may be implied directly or indirectly relating to Admaterials test results, exprises or facilities. In no event shall Admaterials the table for collared procequential damage. 3. The Report must not be used in advertisements without the written consent of Admaterials.

^{4.} The Report shall not be reproduced except in full and unless approval in writing has been given by Admaterials.

^{5.} No other third party can obtain the Report through Admaterials, unless specified in the Admaterials registration form or he has received written instruction from the applicant to authorise Admaterials to do so.



JOB REF: ADM/13/3196(1) Page 2 of 2



PREPARED BY:

Soil description:

Test Method:

Maximum dry density:

Location:

Greyish Sandy Sand

ASTM D1557 - 02

ZHOU HUA JUN Engineer

APPROVED BY:

Depth excavated

Job ref. Test no.

Sample no.

Date of test

1.75

Mg/m³

ADM/13/3196(1)

-

-

-

17/7/2013

SHERLY WIJAYA Senior Laboratory Manager

Site Photo



Existing Shipyard



60-toner Crawler



Delivered TF at Site



Existing soil becomes